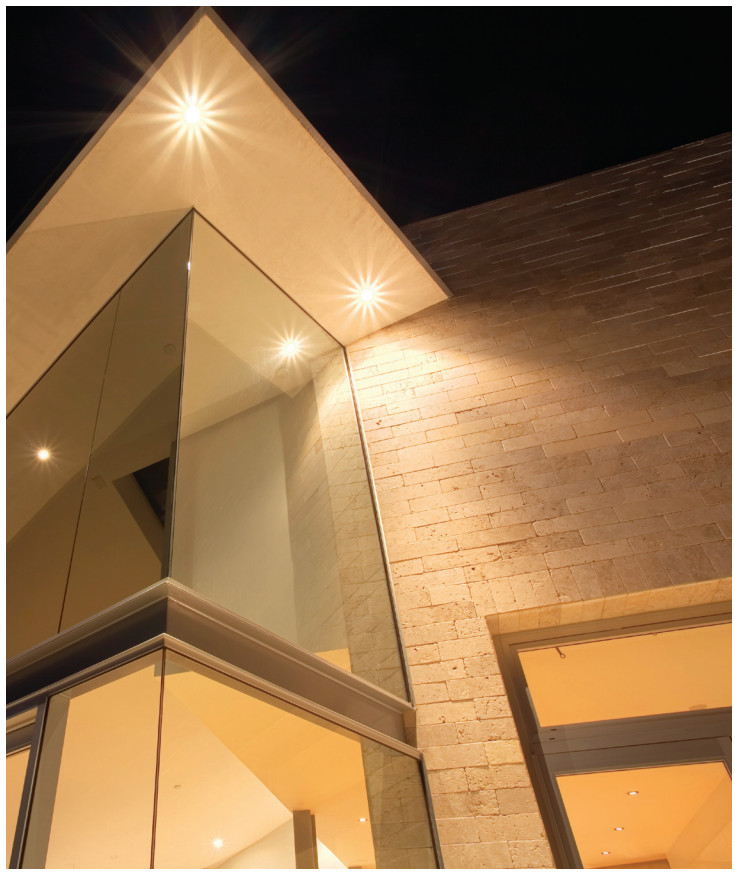
THE FUTURE IS ON®

LEVITON®

Smart Products. Ingenious Solutions.

Wiring Devices, Energy Management Solutions and Commercial Data Infrastructure Products

L-200








THE FUTURE IS ON®

LEVITON®

Smart Products. Ingenious Solutions.

With a tradition of quality, value and commitment, Leviton is the smart choice in wiring devices, lighting controls and network management. Smart professionals choose our products — more than 25,000 of them — because they are backed by superior technical service, ingenious engineering, rigorous testing, world-class research and development, and our assurance of quality and reliability. Our combination of technical expertise and personal commitment has earned Leviton a trusted reputation among residential, commercial, and industrial clients around the world.



Table Of Contents



Corporate Information 8

World Headquarters 8
The Future Is On® 9
Your Complete Resource for Products, Service and Support 10
Product Grade Guide 12
About This Catalog 12

Acenti® 13

Residential Grade
Controls, Sensors and Timers 15
Switches 20
Receptacles 22
Wallplates 25
Inserts and Connectors 27

Combination Devices 29

Commercial Grade
Decora® 30
Traditional 34
Residential Grade
Decora® LED Sensor Guide Lights 37

Connected Home 39

Residential Grade
Structured Media® Components 40
Leviton/JBL® Architectural Edition™ Products 78
SpecGrade Sound™ Products 81
Other Products 83

Electrical Accessories 99

Residential Grade
Taps and Adapters 101
Night/Guide Lights 103
Utility Lights and Battery-Operated Lights 104
Accessories 104

Energy Management Products 105

Commercial Grade
LevNet RF™ Wireless Self-Powered Solutions 106
Occupancy Sensors 112
Outdoor Motion Sensors 131



Table Of Contents

EZ-MAX™ Plus Relay Control Panels 133
GreenMAX™ Relay Control Panels 136
miniZ™ Intelligent Daylight Management Systems 139
Sector Intelligent Ballast and Lighting Control System 141

Residential Grade

Decora® Timer Switches 144
Decora® Occupancy Sensors 146

GFCI (Ground Fault Circuit Interrupter) Devices 149

Hospital Grade

SmartlockPro® GFCI Receptacles 150

Commercial Grade

SmartlockPro® GFCI Receptacles 153
Cord Sets 155
User-Attachable 160
Panel Mount 162
Power Distribution Box and Power Cords 163

Home Automation 165

Residential Grade

Vizia RF +® Home Controls 166
Decora® Home Controls (DHC) 176

Lampholders 191

Commercial Grade

Incandescent Lampholders 192
Fluorescent Lampholders 204

Lighting and Fan Speed Controls 223

Commercial Grade

Architectural Lighting Control Systems 224
Renoir® II 234
Decora® Digital Dimmers and Controls 241
ToggleTouch® Digital Dimmers and Controls 252

Residential and Commercial Grade

Decora® Dimmers and Lighting Controls 255
Traditional Dimmers and Lighting Controls 263
Specialty Controls 266

Table Of Contents



Locking Blade Devices 267

Industrial Grade

Black and White® Locking Devices 271
Watertight, Dust-tight and Corrosion Resistant Devices 299
Combination Devices 307

Network Infrastructure Solutions 311

Commercial Grade

Connectors and Wallplates 313
Modular Furniture Products 333
Industrial Connectivity 335
Multimedia Outlet Systems 336
Housings and Back Boxes 339
Telephone and Video Wallplates 341
Patch Panels and Labeling Solutions 347
110-Style Wiring Products 360
Connecting Blocks 368
Cords and Trunks 370
Fiber Enclosures and Adapter Plates 372
Splice Trays, Holders, and Sleeves 396
Fan-out Kits and MTP Modules 399
Fiber Cable Assemblies 401
Telecommunications Enclosures 405
PoE Midspans and WAP Enclosures 407
Cable Management 409
Copper and Fiber Tools and Consumables 421

Pin and Sleeve Devices 427

Industrial Grade

North American Rated 430
Mechanical Interlocks 438
International Rated 445

Portable Outlet Boxes 455

Industrial Grade

Single Gang 458
Two Gang 459



Table Of Contents

Power Distribution (PDUs) 461

Commercial Grade

FLX Series 463
Switched Series 464
Metered Series 465
P1000 Series 466
5500 and 5505 Series 467
4500 Series 468

Single Pole Devices 469

Industrial Grade

Cam-Type 15 Series 471
Cam-Type 16 & 18 Series 474
Cam-Type 17 & 19 Series 497
Cam-Type 22 & 23 Series 504
Accessories 512
Rhino-Hide® 514

Stage Pin Devices 519

Commercial Grade

20, 60, and 100 Amp 521

Straight Blade Devices 525

Hospital Grade

Plugs and Connectors 526
Receptacles 529

Industrial Grade

Plugs and Connectors 538
Watertight, Dust-tight and Corrosion Resistant Plugs and Connectors 544
Power Devices (Receptacles and Matching Plugs) 548
Receptacles 554

Commercial Grade

Plugs and Connectors 562
Receptacles 566

Residential Grade

Plugs and Connectors 575
Receptacles 578

Table Of Contents



Surge Protective Devices 585

Hospital Grade
Type 3 Point-of-Use . . . 587
Industrial Grade
Type 2 Surge Panels . . . 590
Type 3 Point-of-Use . . . 598
Type 4 UL Recognized Components . . . 602
Commercial Grade
Type 1 Surge Arrestors . . . 606
Type 3 Point-of-Use . . . 607
Residential Grade
Type 1 Surge Arrestors . . . 610
Type 2 Surge Panels . . . 611
Type 3 Point-of-Use . . . 612

Switches 613

Industrial Grade
Safety Disconnect . . . 614
Mechanical Interlock . . . 619
Manual Motor Starting . . . 622
Toggle and Locking . . . 626
Commercial Grade
Decora® . . . 635
Toggle . . . 641
Residential Grade
Decora® . . . 646
Toggle . . . 650
Appliance . . . 653

Time-Saving Systems 655

Hospital, Industrial and Commercial Grade
Lev-Lok® . . . 656
Commercial Grade
EZE Rough® . . . 677
PowerMount™ . . . 679
Residential and Commercial Grade
Cheetah Speed System™ . . . 684



Table Of Contents

Wallplates and Weather-Resistant Covers 707

Residential and Commercial Grade

Decora Plus™ Screwless Snap-On 709
Decora® 711
Traditional 715
Combination Wallplates 730
Sectional for Multi-Gang Installations 737
Hot Stamped and Engraved 738
Adapters and Accessories 739
Connectivity Device Plates 742

Industrial and Commercial Grade

Weather-Resistant Covers 743

Wire Mesh Safety Grips 753

Industrial Grade

Pulling Grips 761
Strain Relief Grips 769
Support Grips 775

Technical Information 783

List of Abbreviations 784
National Electrical Code (NEC) Requirements 785
Associations, Organizations, Certification Agencies and Standards 786
UL, CSA and NEMA Standards 788
Glossary and Product Information 790
ANSI Architectural Symbols 801
NEMA Configurations, Horsepower Ratings and Wiring Diagrams 802
Diameter Ranges of Jacketed Cords 811
Wallplate Dimensions 812
Telephone and Wiring Devices Codes and Standards 814
Wire Color Codes and Jack Pin Designations 815
FAQs 816
Warranty Information 820
International Electricity Guide 822

Index 827

World Headquarters



From early roots in America, Leviton has grown to be the largest privately-held global provider of electrical and electronic wiring devices, lighting energy management solutions, and commercial data infrastructure.

In 2009, Leviton moved its headquarters from Little Neck to Melville, NY. Our world-class facility symbolizes the company's focus on the future, and its commitment to innovation, sustainability and community responsibility. Working towards LEED Certification, the 4-story, 140,000 sq. ft. building is outfitted with the latest "green building" materials and systems, including Energy Star qualified fixtures and our own energy-saving wiring devices and lighting controls. With recycling programs and building procedures that promote the health and well-being of its occupants, it serves as a showcase for Leviton products and as a model high-performance "green" facility.

'USGBC' and related logo is a trademark owned by the U.S. Green Building Council and is used by permission

The Future Is On®

Leviton is focused on creating a brighter future, where the smart use of electricity powers progress and results in ecological sustainability and renewal. We are committed to manufacturing energy-efficient products that will protect and conserve our natural resources. We are already a leading source for high-tech lighting and home sensors that offer greener living. Moving forward, we plan to play a larger role in delivering products and services globally to support emerging markets.

From Modest Beginnings to Industry Leader

Our founder, Isidor Leviton, opened a small tinsmithing operation in Manhattan in 1906. The modest start-up company produced mantle tips for the gas lighting industry. As electricity grew to become the dominant power source, the company switched gears to produce a pull-chain lampholder to hold Edison's new light bulb. From these early days, the Leviton family has pioneered ingenious solutions while delivering quality, reliability and value every step of the way. Isidor's son, Harold Leviton, continued this tradition while dramatically expanding the breadth and depth of the product line and extending the company's reach globally. Today, Leviton is the largest privately-held global provider of electrical and electronic wiring devices, lighting energy management solutions and commercial data infrastructure with distribution in more than 100 countries. Leviton's third president and CEO Don Hendler, continues to build upon these strategic, progressive programs with a vision toward sustainability.

Powering Progress Into the Future

As always, Leviton continues to be the smart choice of smart professionals. Our commitment to our customers is paramount; the strength of our relationships is anchored in a culture of integrity, responsiveness and respect. Our commitment to leading the industry with the most complete selection of products, programs and services is unparalleled. Our vision is to help build a better, more sustainable tomorrow, continuously creating ingeniously designed products that improve the way we all live, one building at a time. The future is bright with Leviton.

Your Complete Resource for Products, Service and Support

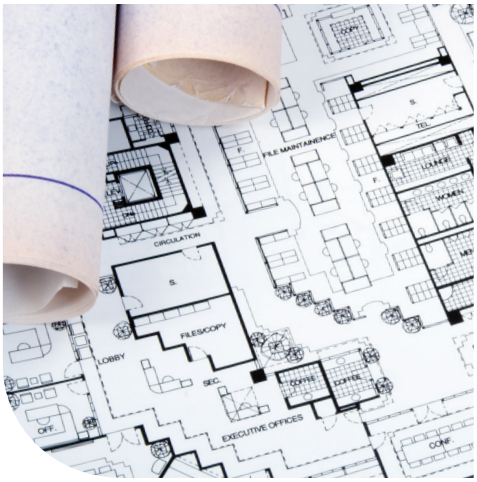
Leviton offers the most comprehensive selection of wiring devices for residential, commercial, industrial and OEM applications. There are many good reasons why Leviton is the preferred brand of industry professionals and their customers. We produce more than two million parts per day and supply our clients with more than 25,000 products. Our nationwide web of manufacturing, warehousing and distribution centers ensures quick turnaround and on-time delivery.

The Leviton Edge - Advanced Engineering

Leviton engineers, designers and researchers apply advanced technology in the design of our products. Equipped with the latest tools and industry-leading R & D and testing facilities, our design staff develops products for every wiring device application. Our robust patent portfolio is rich in entries designed to improve electrical safety, increase energy efficiency, and reduce installation time.

World-Class Quality

At Leviton, state-of-the-art manufacturing and Six Sigma quality standards at ISO 9001 certified facilities ensure the excellence and reliability of our products. Aiming for perfection, we employ automated production technologies that facilitate zero-defect factory output as well as lower production costs. The finished Leviton product is a reflection of our commitment to quality.







Green Design

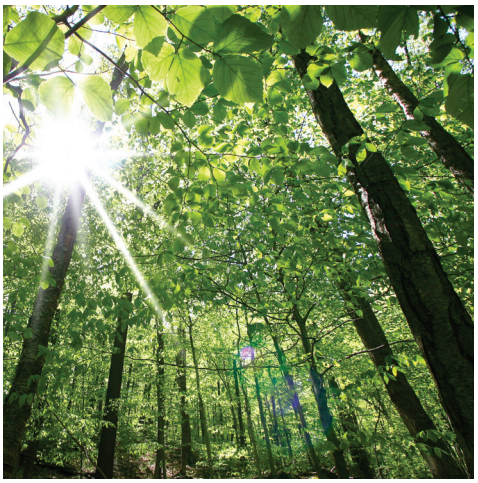
Everyone talks about energy conservation, but Leviton engineers do something about it. They design energy-efficient products to meet federal, state, industry and LEED (Leadership in Energy and Environmental Design) standards for commercial buildings and homes. Through green design and smarter choices, people have the power to improve ecological sustainability.

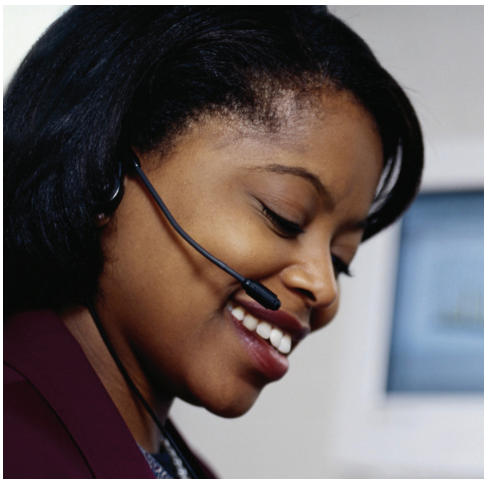
Superior Service and Tech Support

When it comes to customer service and technical support, there's nothing like the personal touch. In an era of outsourcing, we are committed to taking care of our customers with company call centers in Melville NY, Portland OR, and Bothell WA. Our Tech Line is staffed by seasoned experts who can provide complete information on Leviton's extensive product offering.

Anytime Online ez-Tools

Visit Leviton.com to search for products, take a course, place an order and even configure a commercial system, at any time of day or night. We make it easy for you to make smart choices with our suite of ez-Tools, including the ez-Find® product search, ez-Learn® courses, ez-Biz® instant ordering system, and the ez-Configurator for custom applications.







Product Grade Guide

Finding the Right Product Grade

Whatever the application, there's a Leviton product grade to meet your needs. We provide a broad array of quality devices designed for commercial, industrial and residential construction and maintenance requirements. Choose the best grade for the job at hand.

Hospital Grade

Applications: Patient Rooms, Patient Care Areas, Facility Hallways, Pediatric and Psychiatric Wards

Hospital Grade products provide maximum safety in high abuse applications where constant use of the device is common. Built to withstand impact, wear, crushing and corrosive environments that would destroy ordinary heavy-duty devices.

Industrial Grade

Applications: Factories, Hotels, Office Buildings, Convention Centers, Schools and Universities

Industrial Grade products deliver top quality and peak performance in heavy-duty applications. Constructed to meet the exacting needs of industrial and institutional users, our devices are reliable in severe settings.

Commercial Grade

Applications: Office Buildings, Municipal Buildings, Malls, Department Stores, Hospitals and Healthcare Facilities, Houses of Worship and Cultural Institutions

Commercial Grade products are designed for outstanding reliability and top performance in commercial and institutional settings. They are cost-effective, labor-saving and provide long-lasting service life.

Residential Grade

Applications: Single and Multifamily Housing, Condominiums, High-Rises, Schools and Light Commercial Buildings

Residential Grade products are engineered for fine appearance, speedy installation and durability in impact-resistant materials. They are a smart choice for use in homes and light commercial venues.

About This Catalog

We've reorganized our catalog to make it easier for you to use. The new look includes highlighted Specifications and Features, a key to Related Products and sequentially numbered pages. Most sections are divided by Industrial, Commercial and Residential grades and grouped according to amperage and voltage. The dimensional photographs provide measurements in inches, with millimeters in parentheses. You'll find an in-depth technical section in the back of the catalog. All trademarks and registered trademarks within this catalog are the property of their respective owners.



Acenti®

INDEX

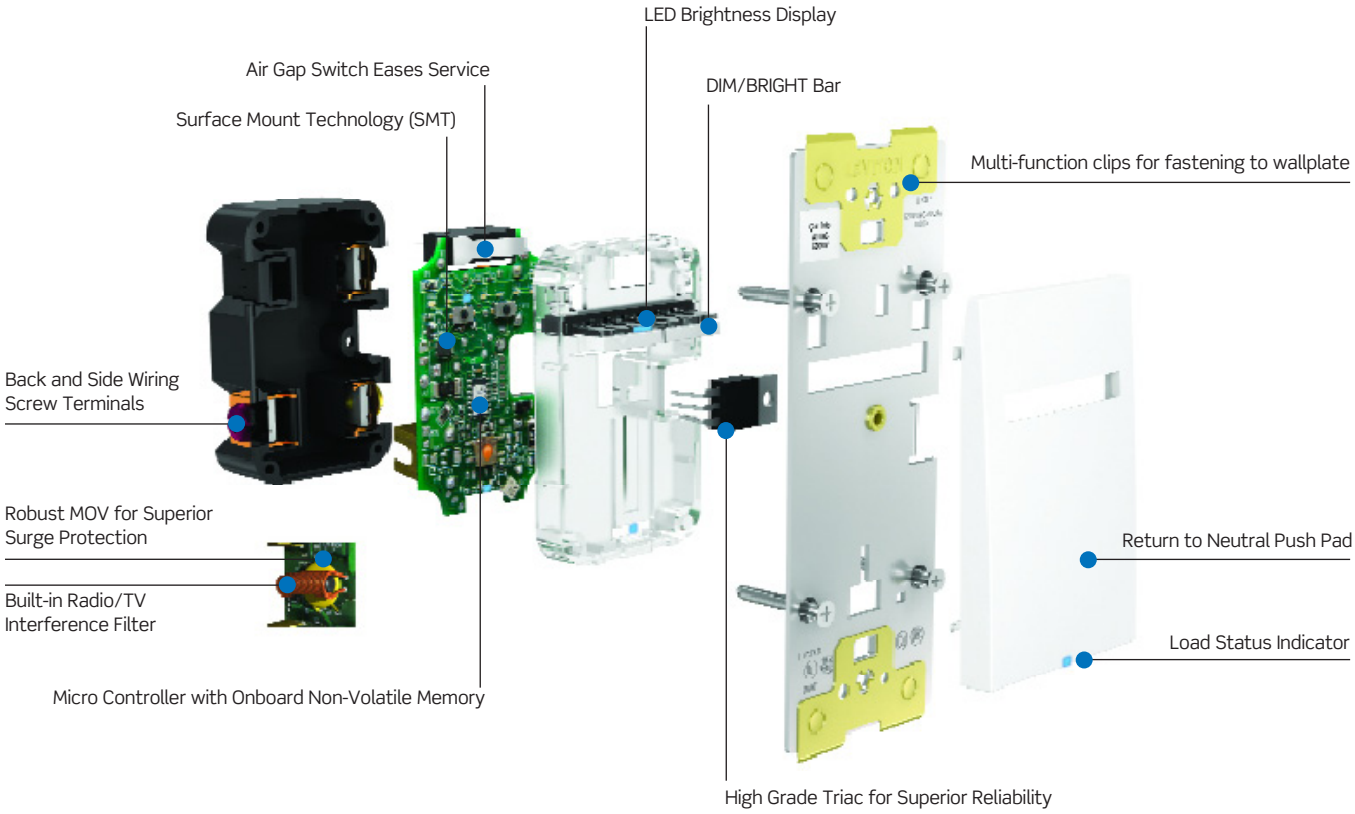
Residential Grade

Introduction 14
Controls, Sensors and Timers 15
Switches 20
Receptacles 22
Acenti® Wallplates 25
Inserts and Connectors 27

The Acenti® Collection

The Acenti Collection is truly in a class by itself. Its accolades are many, including the prestigious Industrial Design Excellence Award (IDEA) as well as the Good Design™ award. There are over 75 Acenti devices in this artful collection; every one is a testament to Leviton's exacting standards, a visual and tactile work of art.

The Acenti Collection has set new standards for style and functionality. Acenti Dimmers and Fan Speed Controls have a "return-to-neutral" feature. This subtle, elegant design enhancement ensures that Acenti always appears at the same attractive position whether on or off and the unique one-touch DIM/BRIGHT bar allows you to set precise lighting levels, then remembers your settings and returns to the same light level when switched back on.



ACENTI® COLORS

Note: Only wallplates are available in metal finishes. To order colors, add suffix to Cat No.

Alabaster (-W)	Natural (-A)	Slate (-G)	Onyx (-E)	Driftwood (-D)	Sand (-S)	Quartz (-Q)	Cocoa (-C)	Polished Chrome (-PCH)	Stainless Steel (-STS)	24k Gold (-24k)

Features and Benefits

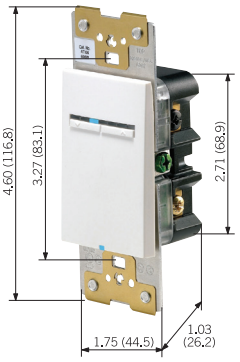
- Robust construction with consistent form factor, excellent ergonomic traits and precision feel
- Innovative contoured geometry offers an exclusive aesthetic design*
- Clean multi-gang installation with no dividers between devices
- Devices and wallplates molded from engineering grade polymer with subtle matte finish and flawless color match
- Screwless wallplates snap onto device's TOX® fastened multi-function clips
- Meets all applicable UL, CSA and FCC requirements
- Limited Five-Year Warranty

Visit www.acenti.net for more information

* US and Foreign Patents Pending.
TOX® is a registered trademark of TOX PRESSOTECHNIK, LLC.

Acenti® Controls, Sensors and Timers

All Acenti lighting controls provide single pole (one location), 3-way (multi-location) or more control when used with Acenti remote units.



ATI06-1L

Specifications and Features

- Universal design provides crisp actuation and excellent tactile feedback
- Push pad always returns to neutral position regardless of load status
- Soothing blue LED locator and brightness display
- Digital circuitry provides soft ON/fade OFF and extends lamp life
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- LEDs on matching remote units track and follow dimmer's LEDs to indicate DIM/BRIGHT level
- Single pole (one location) and 3-way (multi-location) switching with Acenti matching or coordinating remote devices
- Built-in radio/TV interference filter
- Terminal screws (back and side wire) on select models ease installation
- Multi-function self grounding clips snap onto wallplate and ensure proper device alignment
- Air-gap switch completely disconnects power to unit for bulb change and service
- Devices and wallplates molded from engineering grade polymer with subtle matte finish and flawless color match

Advanced Features:

- For maximum flexibility, advanced programming is available for energy save mode, minimum brightness level, preset ON and OFF, fade rates, almost OFF and LED options
- Limited Five-Year Warranty

Acenti Electronic Timer Switch:

- Four preset buttons plus OFF for timed control of lights and appliances
- LEDs indicate time elapsed
- Before turning OFF, bottom LED flashes two-minute warning
- Limited Five-Year Warranty

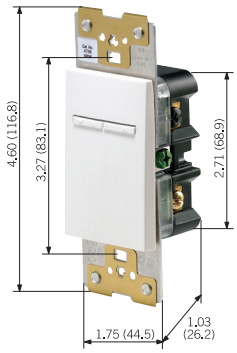
ACENTI CONTROLS WITH LED LOCATOR & BRIGHTNESS DISPLAY

Dimmers U S

Description	Rating	Cat. No.	Color
Incandescent Dimmer	600W-120VAC	ATI06-1L	W, A, G, E, D, S, Q, C
Magnetic Low Voltage Dimmer	600VA-120VAC	ATM06-1L	W, A, G, E, D, S, Q, C
Incandescent/ Magnetic Low Voltage Dimmer	1000W-120VAC 1000VA-120VAC	ATM10-1L	W, A, G, E, D, S, Q, C
Electronic Low Voltage Dimmer; neutral required	400W-120VAC	ATE04-1L	W, A, G, E, D, S, Q, C
Electronic Low Voltage Dimmer; neutral required	600W-120VAC	ATE06-1L	W, A, G, E, D, S, Q, C

Continued On Next Page ›

Continued From Previous Page >



AT00R-1L

Description	Rating	Cat. No.	Color
Fluorescent Dimmer for Mark 10® *Powerline* or Tu-Wire® Ballasts; neutral required	1000VA-120VAC	ATX10-1L	W, A, G, E, D, S, Q, C
Fluorescent Dimmer for Mark 10® *Powerline* Ballasts with LED locator and brightness display; neutral required	1200VA-277VAC	ATX12-7L	W, A, G, E, D, S, Q, C
Fluorescent Dimmer for Hi-lume® or Eco-10® (Eco-Series) Ballasts; neutral required	8A-120VAC	ATH08-1L	W, A, G, E, D, S, Q, C
Fluorescent Dimmer for Hi-lume® or Eco-10® (Eco-Series) Ballasts with LED locator and brightness display; neutral required	6A-277VAC	ATH06-7L	W, A, G, E, D, S, Q, C

Remotes

Description	Rating	Cat. No.	Color
Matching Remote to 120VAC Dimmers/Fan Speed Control for 3-way or up to 5 locations; neutral required	No load rating 120VAC	AT00R-1L	W, A, G, E, D, S, Q, C
Coordinating Remote to 120VAC Dimmers/Fan Speed Control for 3-way or up to 10 locations, no LED; neutral required±	No load rating 120VAC	AT00R-10	W, A, G, E, D, S, Q, C
Matching Dimmer Remote to 277VAC Dimmers for 3-way or up to 5 locations, with LED locator and brightness display; neutral required ±	No load rating 277VAC	AT00R-7L	W, A, G, E, D, S, Q, C

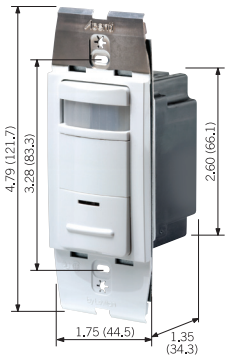
Fan Controls

Description	Rating	Cat. No.	Color
Quiet Fan Speed Control (LED display denotes speed); neutral required	1.5A-120VAC	ATF01-1L	W, A, G, E, D, S, Q, C

± Except when used with incandescent and magnetic low voltage applications.

ACENTI® OCCUPANCY SENSORS AND TIMERS U S

Description	Rating	Cat. No.	Color
Adapted PIR Occupancy Sensor for single pole or 3-way applications, 180° field of view, 900 sq. ft., LED locator light	Incandescent: 800W@120VAC Fluorescent: 1200VA@120VAC 2700VA@277VAC	ACP10	W, A, E
Adapted Manual-On Occupancy Sensor for single pole, 3-way or more applications, neutral required**	1800W/1800VA, 1/2 HP-120VAC	ACP15-CB	W, A, E
Adapted Manual-On Occupancy Sensor Remote to ACP15 or Acenti 120VAC dimmers. Control for 3-way or up to 5 locations, neutral required**	No load rating 120VAC	ACP0R-CB	W, A, E
Adapted Timer Switch with four preset buttons plus OFF for single pole applications. LED locator; neutral required. 10-20-30-60 minute intervals	1000W Incandescent 20A Inductive, 1 HP @ 120VAC	ACT60	W Color Change Kits Available A, E



ACP15-CB

**California Title 24 Compliant.
NOTE: Application notes are available at www.leviton.com/acenti for detailed information about installations and fade rate adjustments. Leviton recommends the use of deep wall boxes for Acenti installations. Some devices require a neutral conductor.

MAXIMUM LOAD PER ACENTI DEVICE

Cat. No.	Single	2-gang	More than 2-gang
ATE04-1L	400W	350W	250W
ATE06-1L	600W	500W	400W
ATF01-1L	1.5A	1.5A	1.5A
ATH08-1L	8A	8A	8A
ATH06-7L	6A	6A	6A
ATI06-1L	600W	600W	500W
ATM06-1L	600VA (450W)	600VA (450W)	500VA (375W)
ATM10-1L Incandescent	1000W	800W	650W
Magnetic Low Voltage	1000VA (800W)	800VA (640W)	650VA (520W)
ATX10-1L	1000VA	800VA	650VA
ATX12-7L	1200VA	1200VA	1200VA

Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

See page 227 for more information.

Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Tu-Wire®, Eco-10® and Hi-lume® are registered trademarks of Lutron Electronics, Inc.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Meets Part 15, Class B FCC Requirements
- ACP15 and ACP0R California Title 24 Energy Code 2005

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

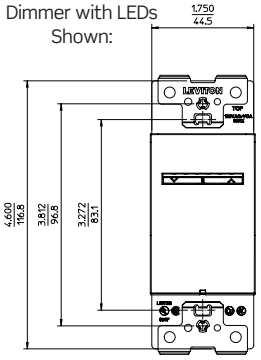
COLOR
To order colors, add suffix to Cat. No. as follows: Alabaster (-W), Natural (-A), Slate (-G), Onyx (-E), Driftwood (-D), Sand (-S), Quartz (-Q), Cocoa (-C)

CAUTION ON RETROFITS:
When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

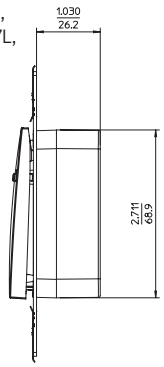
NOTE: Sharing a neutral wire may cause flickering or other anomolies. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Technical Support if problems persist.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.

DIMENSIONS

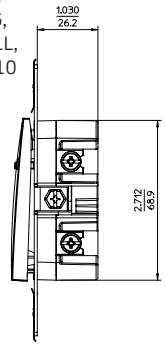
Dimmer with LEDs Shown:



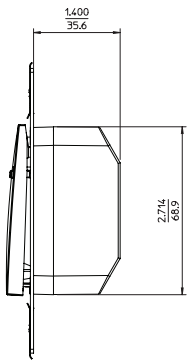
ATM10, AT00R-7L, ATF01



ATI06, ATM06, AT00R-1L, AT00R-10



ATE04, ATE06, ATX10, ATX12, ATH08, ATH06

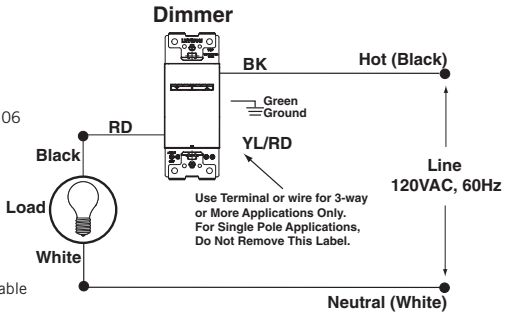


WIRING DIAGRAMS

Single pole wiring for incandescent or magnetic low voltage dimmer

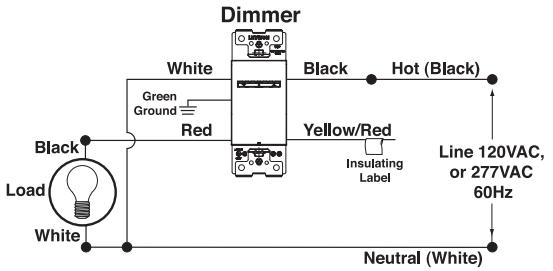
Dimmers
ATI06
ATM06
ATM10

NOTES:
1) ATI06 and ATM06 have screw terminals, ATM10 has leads
2) Red and Black leads (or terminals) are interchangeable



Single pole wiring for electronic low voltage dimmers, Mark 10® *Powerline* dimmers, fan speed control or switch

Dimmers
ATE04
ATE06
ATX10
ATX12-7L
Fan Speed Control
ATF01
Switch
ATS15

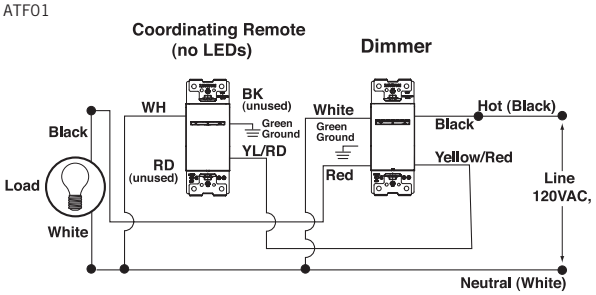


NOTES:
1) ATS15 has screw terminals, ATE04, ATE06, ATX10, ATF01 and ATX12-7L have leads

3-way wiring for electronic low voltage dimmer, Mark 10® *Powerline* dimmer, fan speed control or switch with coordinating remote

Dimmers
ATE04, ATE06, ATX10
Coordinating Remote Switch
AT0SR-10
Fan Speed Control
ATF01

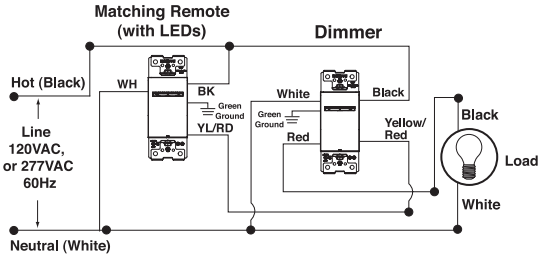
Switch
ATS15
Coordinating Remote Dimmer
AT00R-10



NOTES:
1) ATS15, AT0SR-10 and AT00R-10 have screw terminals, ATE04, ATE06, ATX10 and ATF01 have leads
2) Black and Red terminals on coordinating remotes are unused

3-way wiring for electronic low voltage dimmer, Mark 10® *Powerline* dimmer, fan speed control or switch with matching remote

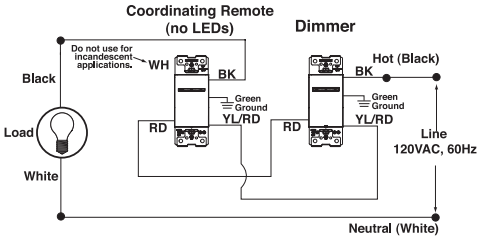
Dimmers
ATE04
ATE06
ATX10
ATX12-7L
Fan Speed Control
ATF01
Switch
ATS15
Matching Remote Dimmer
AT00R-1L
AT00R-7L
Matching Remote Switch
AT0SR-1L



NOTES:
1) ATS15, AT0SR-1L and AT00R-1L have screw terminals, ATE04, ATE06, ATX10, ATF01, ATX12-7L and AT00R-7L have leads

3-way wiring for incandescent or magnetic low voltage dimmers with coordinating remote

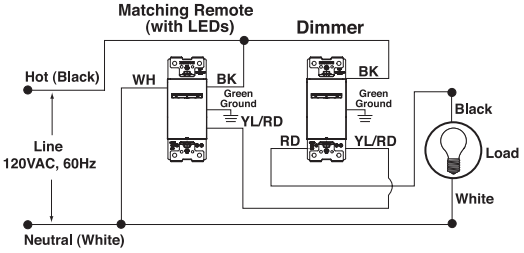
Dimmers
ATI06
ATM06
ATM10
Coordinating Remote Dimmer
AT00R-10
Coordinating Remote Switch
AT0SR-10



NOTES:
1) ATI06, ATM06 and AT00R-10 have screw terminals, ATM10 has leads
2) Black connections are interchangeable
4) Silver terminal on coordinating remote is unused

3-way wiring for incandescent or magnetic low voltage dimmer with matching remote

Dimmers
ATI06
ATM06
ATM10
Matching Remote Dimmer
AT00R-1L
Matching Remote Switch
AT0SR-1L



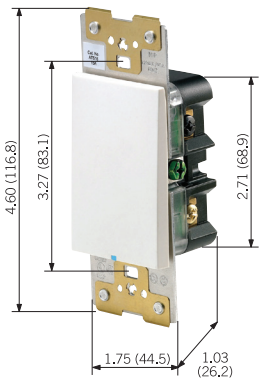
NOTES:
1) ATI06, ATM06, AT00R-1L and AT0SR-1L have screw terminals, ATM10 has leads

Acenti® Switches

An Acenti Switch elevates the simple task of turning a light or controlled loads on and off. Each has a "return-to-neutral" feature, an elegant design enhancement that ensures Acenti devices always appear at the same attractive position whether on or off. Acenti Switches feature a signature detail, a blue LED locator light. This soothing light tastefully guides your hand to the switch and makes Acenti Switches beautiful, even in the dark. Acenti satisfies your senses as well as your sense of style.

Specifications and Features

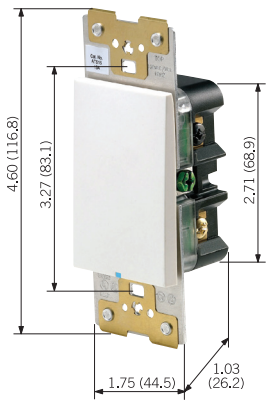
- Universal design provides crisp actuation and excellent tactile feedback
- Push pad always returns to neutral position regardless of load status
- Soothing blue LED locator
- ATS15-1L provides single pole (one location) and multi-location switching with Acenti Switch Remotes
- Terminal screws (back and side wire) ease installation
- Multi-function self-grounding clips snap onto wallplate and ensure proper device alignment
- Devices and wallplates molded from engineering grade polymer with subtle matte finish and flawless color match



ATS15-1L

ELECTRONIC SWITCHES U S

Description	Rating	Cat. No.	Color
Electronic Switch for single pole, 3-way or more applications, with LED locator; neutral required	15A-120VAC	ATS15-1L	W, A, G, E, D, S, Q, C
Matching Remote Switch to ATS15-1L for 3-way or up to 5 locations, with LED locator; neutral required	No load rating 120VAC	AT0SR-1L	W, A, G, E, D, S, Q, C
Coordinating Remote Switch to ATS15-1L for 3-way or up to 10 locations, no LED	No load rating 120VAC	AT0SR-10	W, A, G, E, D, S, Q, C



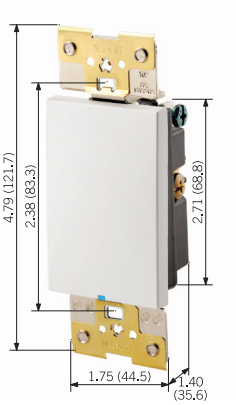
AT0SR-1L

ELECTROMECHANICAL SWITCHES U S

Description	Rating	Cat. No.	Color
Electromechanical Switch for single pole applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-120VAC	AC201-1L	W, A, G, E, D, S, Q, C
Electromechanical Switch for 3-way applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-120VAC	AC203-1L	W, A, G, E, D, S, Q, C
Electromechanical Switch for 4-way applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-120VAC	AC204-1L	W, A, G, E, D, S, Q, C
Electromechanical Switch for single pole applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-277VAC	AC201-7L	W, A, G, E, D, S, Q, C

Description	Rating	Cat. No.	Color
Electromechanical Switch for 3-way applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-277VAC	AC203-7L	W, A, G, E, D, S, Q, C
Electromechanical Switch for 4-way applications, lighting, motor loads or other heavy duty applications, with LED locator	20A-277VAC	AC204-7L	W, A, G, E, D, S, Q, C

NOTE: Application notes are available at www.leviton.com/acenti for detailed information about installations and fade rate adjustments. Leviton recommends the use of deep wall boxes for Acenti® installations. Some devices require a neutral conductor. AC201/AC203/AC204 are not suitable for Compact Fluorescent loads; use the ATS15 instead.



AC201-1L

Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents, and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

See page 227 for more information.

Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Tu-Wire®, Eco-10® and Hi-lume® are registered trademarks of Lutron Electronics, Inc.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (Switches: File #LR-152105, Timer: File #LR-68679)
- Meets NEMA WD-1 & WD-6 requirements

MATERIAL CHARACTERISTICS

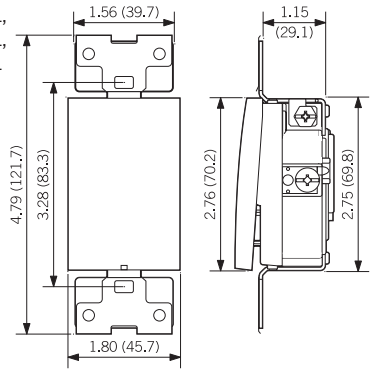
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

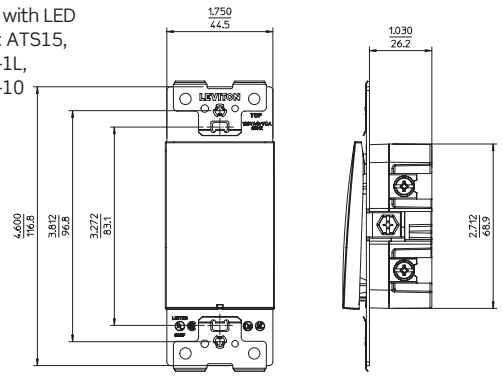
To order colors, add suffix to Cat. No as follows:
Alabaster (-W), Natural (-A), Slate (-G), Onyx (-E), Driftwood (-D), Sand (-S), Quartz (-Q), Cocoa (-C)

DIMENSIONS

AC201-1L, AC201-7L, AC203-1L, AC203-7L, AC204-1L, AC204-7L
Shown: AC201



Switch with LED
Shown: ATS15, AT0SR-1L, AT0SR-10



Receptacles

Acenti® Receptacles grace the most upscale homes with their exquisite combination of design and innovation. In fact, Acenti has the distinction of offering two industry firsts: a Triplex and Sixplex Receptacle. As attractive as it is functional, the Triplex provides three outlets. The Acenti Sixplex has a unique configuration which allows all six outlets to be used at the same time. The Sixplex not only provides six true outlets, it also protects sensitive electronics from power surges and eliminates the need for unsightly power strips. It is perfect for home offices and entertainment centers. Acenti – a statement of elevated standards, right down to the last detail.



Specifications and Features

All Receptacles
- Fit into a standard size wall box†
- Exclusive space saving Triplex Receptacle accommodates three NEMA grounding plugs
- Neat multi-gang installation with no dividers between devices
- Most receptacles feature terminal screws (back and side wire) available for easier installation (Sixplex has pigtail leads)
- Multi-function self-grounding clips snap onto wallplate and ensure proper device alignment
- Devices and wallplates molded from engineering grade polymer with subtle matte finish and flawless color match
- Limited Five-Year Warranty

GFCI Receptacles
- Patented bridge contact provides individual sets of contacts for GFCI receptacle face and downstream receptacles; no power to receptacle face if improperly wired (line-load reversal)
- Patented lockout feature for added safety prevents RESET if GFCI is not operating properly
- TEST and RESET button colors match device face
- Soothing blue LED dual-function indicator light

Tamper-Resistant Receptacles
- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement
- Heavy-duty construction offers long, trouble-free service life

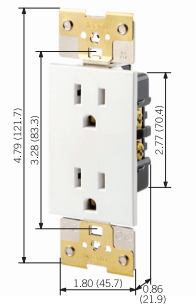
Surge Protective Receptacle
- Protects sensitive electronic equipment against transient voltage surges
- UL 1449 clamping level: 400V
- Audible alarm for protection status
- Soothing blue LED monitor/indicator

†The Sixplex requires a 2-gang wall box.

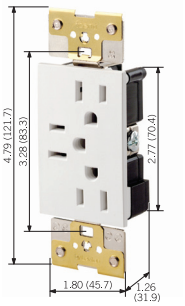
ACENTI® TRIPLEX AND DUPLEX RECEPTACLES U S



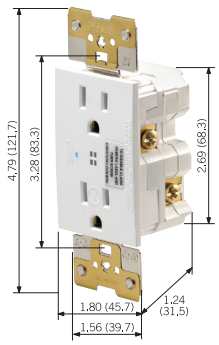
Description	Rating	Cat. No.	Color
Triplex Receptacle (NEMA 5-15R)	15A-125VAC	AC315	W, A, G, E, D, S, Q, C
Triplex Receptacle (NEMA 5-20R)	20A-125VAC	AC320	W, A, G, E, D, S, Q, C
Duplex Receptacle (NEMA 5-15R)	15A-125VAC	AC215	W, A, G, E, D, S, Q, C
Duplex Receptacle (NEMA 5-20R)	20A-125VAC	AC220	W, A, G, E, D, S, Q, C



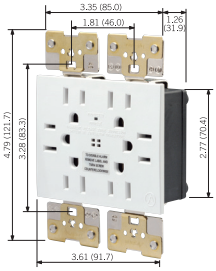
AC215



AC315



ACSSR



ACSR6

ACENTI® GFCI AND SURGE RECEPTACLES U S

5-15R 5-20R

Description	Rating	Cat. No.	Color
GFCI Tamper-Resistant Receptacle (NEMA 5-15R)	15A-125VAC	ATGF1	W, A, G, E, D, S, Q
GFCI Receptacle (NEMA 5-15R)	15A-125VAC	ACGF1	W, A, G, E, D, S, Q, C
GFCI Receptacle (NEMA 5-20R)	20A-125VAC	ACGF2	W, A, G, E, D, S, Q, C
Duplex Surge Receptacle (NEMA 5-15R)	15A-125VAC	ACSSR	W, A, G, E, D, S, Q, C
Sixplex Surge Receptacle (NEMA 5-15R)	15A-125VAC	ACSR6	W, A, G, E, D, S, Q, C

TESTING AND CODE COMPLIANCE

- UL Listed (Triplex/Duplex/Surge: File #E-13399, GFCI: File #E-48380)
- CSA Certified (Triplex/Duplex: File #LR-152105, GFCI: File #LR-57811, Surge: File#MC152105/LR-406)
- Meets NEMA WD-1 & WD-6 requirements

MATERIAL CHARACTERISTICS

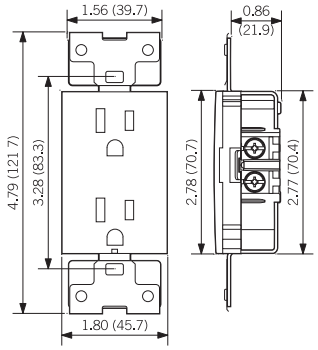
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

To order colors, add suffix to Cat. No. as follows: Alabaster (-W), Natural (-A), Slate (-G), Onyx (-E), Driftwood (-D), Sand (-S), Quartz (-Q), Cocoa (-C)

DIMENSIONS

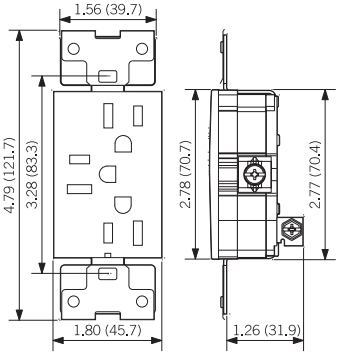
Duplex Receptacle



AC215 Shown

AC215
AC220

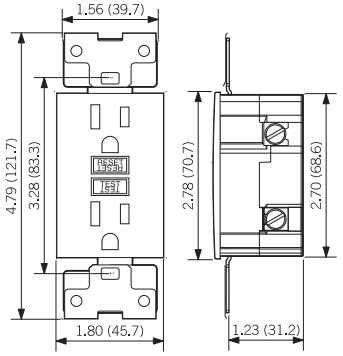
Sixplex Surge Receptacle



AC315 Shown

AC315
AC320

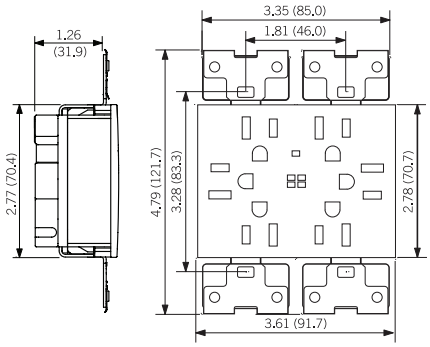
GFCI Receptacle



ACGFI, ATGFI Shown

ACGFI
ATGFI
ACGF2

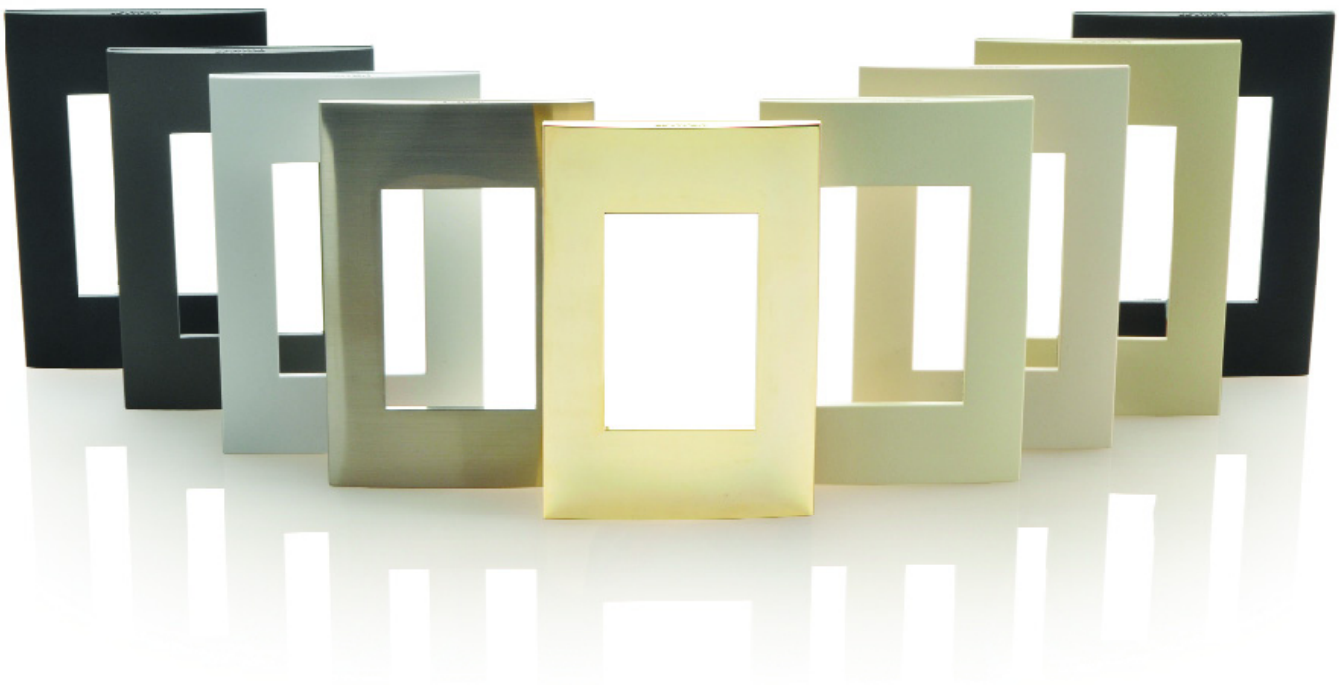
Triplex Receptacle



ACSR6 (Requires 2-gang box)

Acenti® Wallplates

Every aspect of the Acenti collection is finely engineered for a flawless look and equally flawless performance. Leviton's vision for Acenti included a smooth, sleek wallplate whose surface was not marred by screws, culminating in the first screwless metal wallplate. Acenti even eliminates the webbing between switches and up to six Acenti devices can be installed side-by-side in one wallplate and still look trim and uncluttered.



ACENTI COLORS

NOTE: Only wallplates are available in metal finishes. To order colors, add suffix to Cat No.

Alabaster (-W)	Natural (-A)	Slate (-G)	Onyx (-E)	Driftwood (-D)	Sand (-S)	Quartz (-Q)	Cocoa (-C)	Polished Chrome (-PCH)	Stainless Steel (-STS)	24k Gold (-24k)

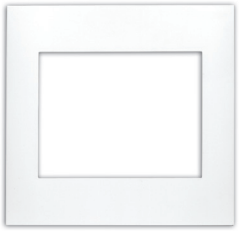
Specifications and Features

- Exclusive for all Acenti devices
- Screwless, snap-on design provides smooth, clean look
- Subtle, matte finish complements fine décors
- Available in engineering grade polymer, polished chrome, brushed stainless steel and 24k gold finishes
- Unique screwless metal wallplates coordinate with premium-grade appliances and fixtures
- Single opening design of multi-gang wallplates means device frames rest side by side, without extra webbing between them, for an uncluttered appearance
- Alignment plate with positioning pins ensures alignment of device and wallplate
- Snaps easily and directly onto device's multi-function Tox-fastened clips, which also provide self-grounding of device and metal wallplate (when used with a properly grounded metal wall box)
- Limited Five-Year Warranty

ACENTI® SCREWLESS SNAP-ON WALLPLATES U S



ACWP1



ACWP2

	Description	Cat. No. Thermoplastic*	Cat. No. Brushed Stainless Steel	Cat. No. 24k Gold	Cat. No. Polished Chrome
	1-Gang	ACWP1	ACWM1-STS	ACWM1-24K	ACWM1-PCH
	2-Gang	ACWP2	ACWM2-STS	ACWM2-24K	ACWM2-PCH
	3-Gang	ACWP3	ACWM3-STS	ACWM3-24K	ACWM3-PCH
	4-Gang	ACWP4	ACWM4-STS	ACWM4-24K	ACWM4-PCH
	5-Gang	ACWP5	ACWM5-STS	ACWM5-24K	ACWM5-PCH
	6-Gang	ACWP6	ACWM6-STS	ACWM6-24K	ACWM6-PCH
	Blank Wallplate Insert*	ACW14			

* Thermoplastic Blank Wallplate Insert available in the following colors: W, A, G, E, D, S, Q, C.

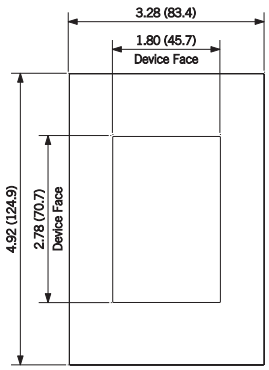
TESTING AND CODE COMPLIANCE

- UL Listed and CSA Certified
- Meets NEMA Standards WD-1, WD-6 (plastic); Meets NEMA and ANSI standards (metal)

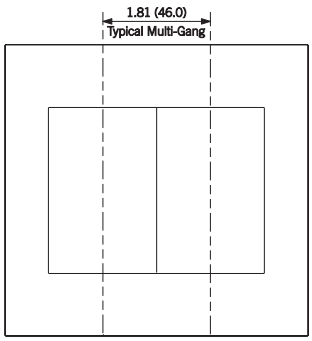
COLOR

To order colors, add suffix to Cat. No. as follows: Alabaster (-W), Natural (-A), Slate (-G), Onyx (-E), Driftwood (-D), Sand (-S), Quartz (-Q), Cocoa (-C)

DIMENSIONS



ACWP1, ACWM1
Single-Gang Shown



Add 1.81" (46.0mm) for each gang in multi-gang wallplates

QuickPort® Inserts and Connectors

Leviton QuickPort Snap-In Connectors and Adapters were created to meet the demands of modern technology with a decidedly sophisticated touch. This line of audio, video, voice and data jacks is available in various combinations and can be quickly inserted into an Acenti Wallplate.



Acenti® Inserts and Connectors

Specifications and Features

- QuickPort snap-in inserts and connectors bring voice, data, audio and video together
- Compatible with the complete collection of Acenti devices
- Limited Five-Year Warranty



AC108

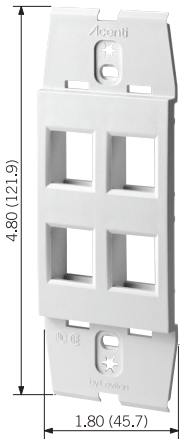
QUICKPORT® ACENTI® MULTIMEDIA WALLPLATE INSERTS AND SNAP-IN CONNECTORS U S

Multimedia Wallplate Inserts

Description	Cat. No.	Color
2-Port QuickPort Insert	AC642	W, A, G, E, D, S, Q
3-Port QuickPort Insert	AC643	W, A, G, E, D, S, Q
4-Port QuickPort Insert	AC644	W, A, G, E, D, S, Q
6-Port QuickPort Insert	AC646	W, A, G, E, D, S, Q

Snap-In Connectors

Description	Cat. No.	Color
Cat 5e Jack	AC108-R*5	W, A, G, E, D, S, Q
RCA Jack w/Red Stripe	AC830-B*R	W, A, G, E, D, S, Q
RCA Jack w/Black Stripe	AC830-B*E	W, A, G, E, D, S, Q
RCA Jack w/Yellow Stripe	AC830-B*Y	W, A, G, E, D, S, Q
RCA 110 Term., Orange Barrel	AC735-RO*	W, A, G, E, D, S, Q
RCA 110 Term., Red Barrel	AC735-RR*	W, A, G, E, D, S, Q
RCA 110 Term., White Barrel	AC735-RW*	W, A, G, E, D, S, Q
RCA 110 Term., Yellow Barrel	AC735-RY*	W, A, G, E, D, S, Q
Banana Jack w/Red Stripe	AC837-B*R	W, A, G, E, D, S, Q
Banana Jack w/Black Stripe	AC837-B*E	W, A, G, E, D, S, Q
Binding Post w/Red Stripe	AC833-B*R	W, A, G, E, D, S, Q
Binding Post w/Black Stripe	AC833-B*E	W, A, G, E, D, S, Q
BNC Adapter, Nickel Plated	AC084-B*F	W, A, G, E, D, S, Q
BNC Adapter, Gold Plated	AC832-0B*	W, A, G, E, D, S, Q
F-Type Adapter, Nickel Plated	AC084-F*F	W, A, G, E, D, S, Q
F-Type Adapter, Gold Plated	AC831-0B*	W, A, G, E, D, S, Q
Blank Insert	AC084-B*B	W, A, G, E, D, S, Q
S-Video Module, 110 Termination	AC734-SV*	W, A, G, E, D, S, Q



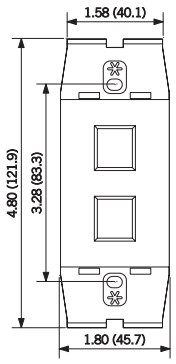
AC644

When ordering Voice & Data connectors, insert color description where (*) is indicated.

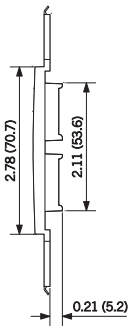
TESTING AND CODE COMPLIANCE
- UL Listed and CSA Certified
- Meets NEMA Standards WD-1, WD-6 (plastic); Meets NEMA and ANSI standards (metal)

COLOR
To order colors, add suffix to Cat. No. as follows: Alabaster (-W), Natural (-A), Slate (-G), Onyx (-E), Driftwood (-D), Sand (-S), Quartz (-Q)

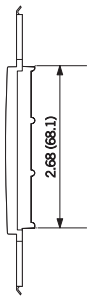
DIMENSIONS



AC642
2-Port shown



AC642 2-Port
AC644 4-Port



AC643 3-Port
AC646 6-Port



Combination Devices

INDEX

Commercial Grade

Decora® 30
Traditional 34

Residential Grade

Decora® LED Sensor Guide Lights 37

Combination Devices

With Leviton's extensive assortment of combination devices, you can fill a one-gang space with two switches, a switch and receptacle, a switch and pilot light, three rocker switches — even a single pole switch and a SmartlockPro® GFCI outlet.



Decora®

Part of Leviton's celebrated designer collection, Decora Combination Devices offer switch/switch, switch/receptacle and switch/pilot light pairings in sleek packages suitable for the finest interiors. For the ultimate in convenience and safety, the Decora Combination Switch/SmartlockPro GFCI Receptacles pair a single pole switch with a GFCI receptacle equipped with Leviton's pioneering true dead-face design.

COLORS

Decora devices are offered in a wide range of colors and finishes. To order colors, add suffix to Cat No.

White	Ivory	Almond	Light Almond	Grey	Black	Brown
(-W)	(-I)	(-A)	(-T)	(-G)	(-E)	(-D)

Specifications and Features

- Elegant Decora® styling provides multiple control in a single-gang wallbox
- Impact-resistant thermoplastic and double-wipe contacts
- Common shunted internally to all switches
- Limited Two-Year Warranty

Tamper Resistant Receptacles

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement
- Heavy-duty construction offers long, trouble-free service life

All SmartlockPro® Combination Devices

- TEST/RESET buttons match device color
- Dual function LED indicator light – provides indication of wiring error and power availability

SmartlockPro GFCI/Sensor Guide Light

- Manual control of sensor light using the TEST/RESET buttons
- Long-lasting, energy efficient LEDs with 20-year life expectancy — no bulbs to replace
- Light sensor provides automatic ON/OFF features

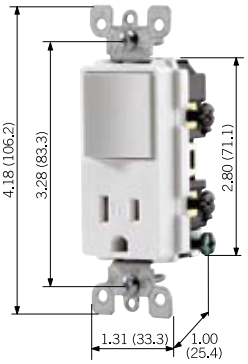
SmartlockPro GFCI/Switch

- Replaces standard switch/outlet combination devices in residential or light commercial installations
- Permits multiple wiring options that allow for GFCI protection of switched load and downstream receptacles

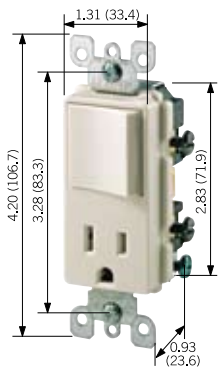
DECORA COMBINATION DEVICES*

Description	Color	Cat No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**Switch: 15A-120VAC Receptacle: 15A-125V**	
Single Pole Switch/ Tamper-Resistant Receptacle	White	T5625-W	
	Ivory	T5625-I	
	Almond	T5625-A	
	Light Almond	T5625-T	
	Grey	T5625-GY	
	Brown	T5625-E	
Single Pole Switch/Receptacle	White	5625-W	5636-W
	Ivory	5625-I	5636-I
	Almond	5625-A	5636-A
	Light Almond	5625-T	—
	Grey	5625-GY	—
	Black	5625-E	—
Rating		**Switch: 15A-120VAC Pilot Light: 1/25W-125VAC**	**Switch: 20A-120VAC Pilot Light: 1/25W-125VAC**
Single Pole Switch/Pilot Light	White	5626-W	5637-W
	Ivory	5626-I	5637-I
	Almond	5626-A	5637-A

Continued On Next Page ›



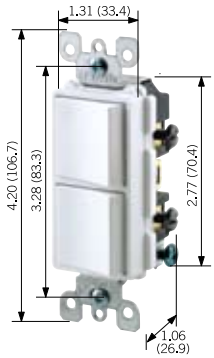
T5625-W



5625-W

Commercial Grade

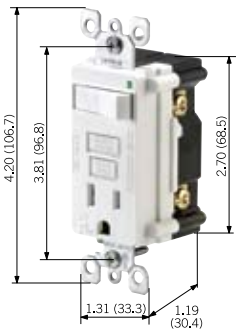
Continued From Previous Page ›



5634-W

Description	Color	Cat No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A-120/277VAC**	**20A-120/277VAC**
Two Single Pole Switches	White	5634-W	5627-W
	Ivory	5634-I	5627-I
	Almond	5634-A	5627-A
	Light Almond	5634-T	5627-T
	Grey	5634-GY	—
	Black	5634-E	—
	Brown	5634	—
Rating		**15A-120/277VAC**	
3-Way Switch/ Single Pole Switch	White	5641-W	
	Ivory	5641-I	
	Almond	5641-A	
	Light Almond	5641-T	
	Black	5641-E	
Two 3-Way Switches	White	5643-W	5640-W
	Ivory	5643-I	5640-I
	Almond	5643-A	5640-A
	Light Almond	5643-T	5640-T
Rating		**Switch: 15A-120VAC Receptacle: 15A-125V**	
3-Way Switch/ Receptacle	White	5645-W	
	Ivory	5645-I	
	Almond	5645-A	
	Light Almond	5645-T	
	Black	5645-E	

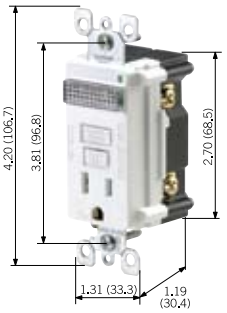
*All with ground screw



7299-W

Description	Color	Cat No.
Rating		**Receptacle 15A-125V Feed-through: 20A-125V Switch Rating: 15A, 1800W @ 120VAC**
Single Pole Switch and Tamper Resistant SmartlockPro® GFCI-Protected Receptacle with Indicator Light	White	T7299-W
	Ivory	T7299-I
	Almond	T7299-A
	Light Almond	T7299-T
Single Pole Switch and SmartlockPro GFCI-Protected Receptacle with Indicator Light	White	7299-W
	Ivory	7299-I
	Almond	7299-A
	Light Almond	7299-T

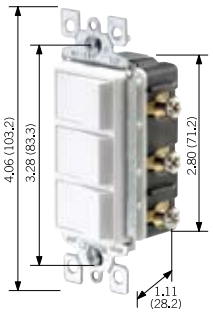
Description	Color	Cat No.
Rating		**Receptacle 15A-125V** **Feed-through: 20A-125V**
Automatic ON/OFF Sensor	White	T7591-W
LED Guidelight and Tamper Resistant	Ivory	T7591-I
SmartlockPro® GFCI-Protected	Almond	T7591-A
Receptacle with Indicator Light	Light Almond	T7591-T
Rating		**Receptacle 15A-125V** **Feed-through: 20A-125V**
Automatic ON/OFF Sensor	White	7591-W
LED Guidelight and SmartlockPro	Ivory	7591-I
GFCI-Protected Receptacle	Almond	7591-A
with Indicator Light	Light Almond	7591-T



7591-W

DECORA® COMBINATION SWITCHES†

Description	Color	Cat No. non-grounded	Cat. No. with ground screw
Rating		**Individual Switches: 15A-120V** **Device Total: 20A-120V**	**Individual Switches: 15A-120V** **Device Total: 20A-120V**
Dual Rockers	White	1754-W	1754-2W
	Ivory	1754-I	—
	Almond	1754-A	—
	Light Almond	1754-T	—
Illluminated	White	1754-ILW	—
Dual Rockers	Ivory	1754-ILI	—
(Light is ON when	Almond	1754-ILA	
top rocker is OFF)			
Three Rockers	White	1755-W	1755-2W
	Ivory	1755-I	1755-2I
	Almond	1755-A	—
	Light Almond	1755-T	—



1755-W

†Warning: Although each individual rocker switch is rated up to 15A-120V, the total combined load for both duplex or all three triplex switches must not exceed 20 AMPS.

TESTING AND CODE COMPLIANCE

Decora Combination Switches
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

Switch/SmartlockPro GFCI Receptacle
- Meets or exceeds all new UL requirements for July 28, 2006
- UL Standard 943 Class A (GFCI) and 498 (Receptacles), 20 (Switches)
- UL Listed (File # E-48380)
- CSA Certified (File #LR-57811)
- NOM Certified (File #057)

MATERIAL CHARACTERISTICS

Decora Combination Switches
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

Switch/SmartlockPro GFCI Receptacle
Environmental: Flammability UL-94 V2 Rating
Operating Temperature: -35°C to 65°C

LEVITON

Commercial Grade

Traditional

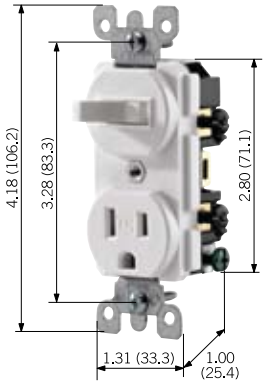
Leviton's Combination Devices offer pleasing, practical designs that fit standard wallboxes. Switch/switch, switch/receptacle and switch/pilot light combinations are available. These devices come in a range of colors and are backed by a limited two-year warranty.

Specifications and Features

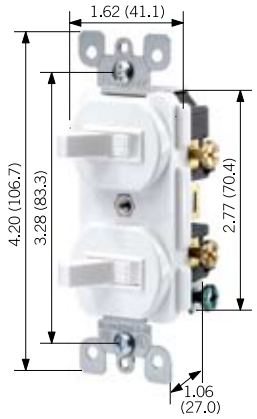
- AC quiet switches have silver-cadmium oxide contacts and receptacles have double-wire contacts for maximum conductivity
- All devices have a grounding screw, except where noted
- Terminal screws accept up to No. 12 AWG copper or copper-clad wire
- Fits standard wallboxes
- Break-off tabs on devices with switches permit conversion to separate feeds
- Limited Two-Year Warranty

Tamper Resistant Receptacles

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement
- Heavy-duty construction offers long, trouble-free service life



T5225-W



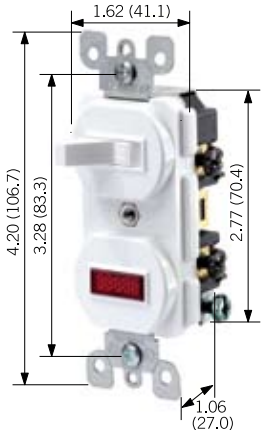
5224-W

COMBINATION DEVICES

Description	Color	Cat No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**Switch: 15A-120VAC Receptacle: 15A-125V**	
Single Pole Switch/ Tamper Resistant Receptacle*	White	T5225-W	
	Ivory	T5225-I	
	Almond	T5225-A	
	Light Almond	T5225-T	
	Brown	T5225	
Rating		**Switch: 15A-120VAC Receptacle: 15A-125V**	**Switch: 20A-120VAC Receptacle: 20A-125V**
Single Pole Switch/Receptacle*	White	5225-W	5335-W
	Ivory	5225-I	5335-I
	Almond	5225-A	—
	Light Almond	5225-T	—
	Black	—	5335-E
	Brown	5225	5335
Rating		**15A-120/277VAC**	
Two Single Pole Switches, non-ground	White	5224-W	
	Ivory	5224-I	
	Brown	5224	
Rating		**15A-120/277VAC**	**20A-120/277VAC**
Two Single Pole Switches, with ground screw	White	5224-2W	5334-W
	Ivory	5224-2I	5334-I
	Almond	5224-2A	—
	Light Almond	5224-2T	—
	Brown	5224	5334

Description	Color	Cat No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**Switch: 15A-120VAC Pilot Light: 1/25W-125VAC**	**Switch: 20A-120VAC Pilot Light: 1/25W-125VAC**
Single Pole Switch/Pilot Light*	White	5226-W	—
	Ivory	5226-I	5336-I
	Almond	5226-A	—
	Light Almond	5226-T	—
	Brown	5226	5336
Rating		**15A-120/277VAC**	
3-Way Switch/Single Pole Switch *	White	5241-W	
	Ivory	5241-I	
	Almond	5241-A	
	Light Almond	5241-T	
	Brown	5241	
Rating		**15A-120/277VAC**	
Two 3-Way Switches*	White	5243-W	
	Ivory	5243-I	
	Almond	5243-A	
	Light Almond	5243-T	
	Brown	5243	
Rating		**Switch: 15A-120/277VAC Receptacle: 15A-125V**	
3-Way Switch/Receptacle*	White	5245-W	
	Ivory	5245-I	
	Brown	5245	

*With ground screw



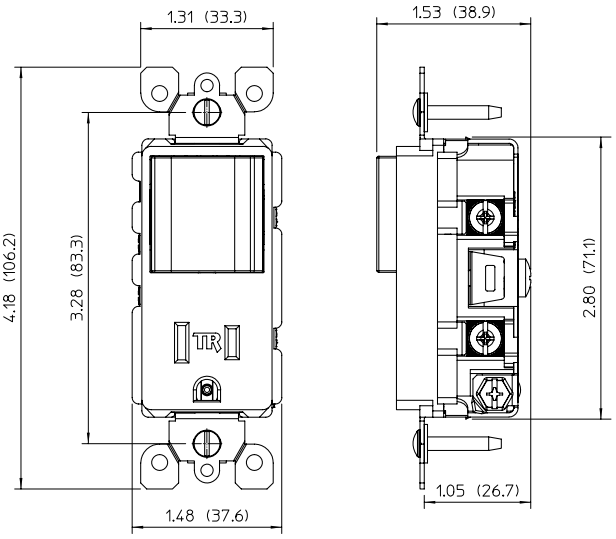
5226-W

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

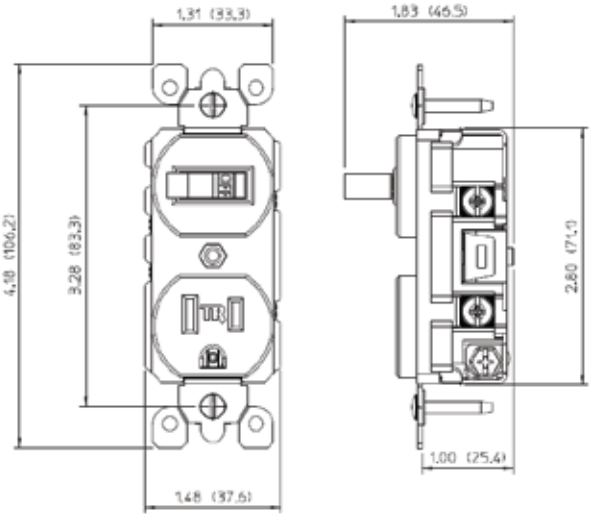
HORSEPOWER
15A — ½ @ 120V, 2 @ 240V
20A — 1 @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

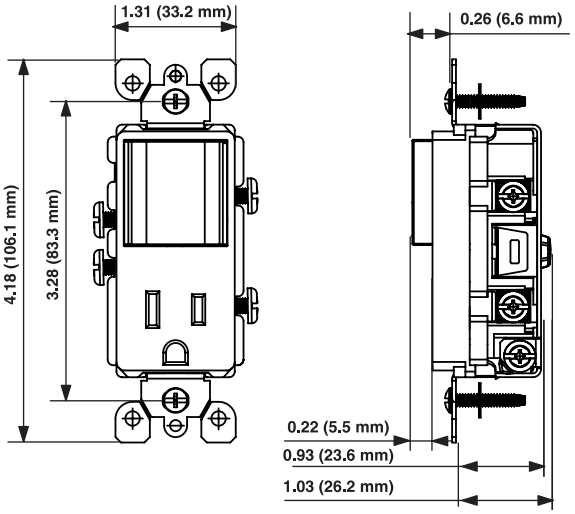
DIMENSIONS



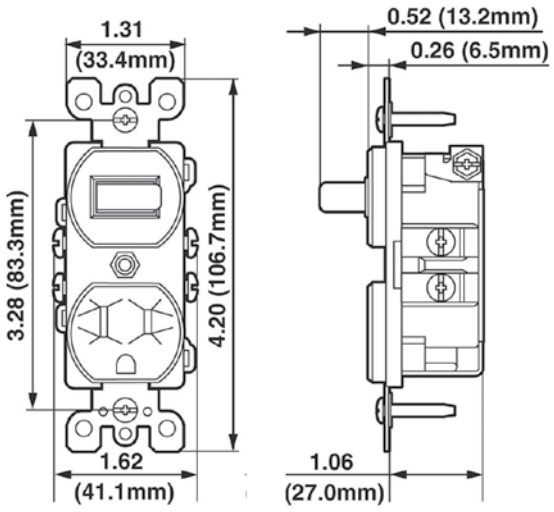
T5625 — Decora® Tamper Resistant Combination Switch/Receptacle



T5225 — Traditional Tamper Resistant Combination Switch/Receptacle



5625 — Decora® Combination Switch/Receptacle



5225 — Traditional Combination Switch/Receptacle

Decora® LED Sensor Guide Lights

Our new LED Sensor Guide Light Series unites Leviton's quality decora wiring devices with energy-saving LED Guide Lights for a smart combination. The Sensor LEDs turn ON and OFF automatically in Switch/Guide Light or Tamper-resistant Receptacle/Guide Light combinations, as well as a full LED Guide Light version that's perfect for hallways or stairways.

Specifications and Features

All Devices

- Impact-resistant face and body
- Long-lasting energy-efficient LED with long life expectancy — no bulbs to replace
- Light sensor provides automatic ON/OFF features
- All devices have a self grounding clip
- Fits standard wall boxes
- Back or side wired

Tamper Resistant Receptacle/Guide Light

- Uses two LEDs
- Shutter mechanism inside the recptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure foregin objects will be locked out
- Complies with section 406.11 of the 2008 NEC Code

Combination Switch/Guide Light

- Uses two LEDs
- Single Pole
- Neutral Required

Full LED Guide Light

- Uses three LEDs
- Color Change Kits available for select models

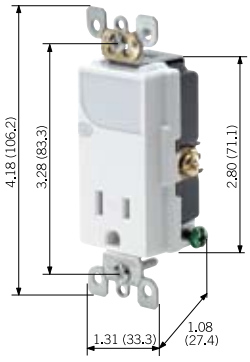
COLORS

Decora devices are offered in a wide range of colors and finishes. To order colors, add suffix to Cat No.

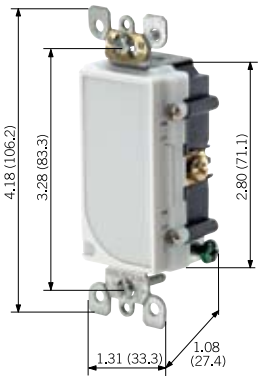


White (-W) | Ivory (-I) | Almond (-A) | Light Almond (-T)

DECORA® COMBINATION DEVICES*



T6525



6527

Description	Color	Cat No.
NEMA		5-15R
Rating		**15A-125VAC**
Decora Tamper Resistant Receptacle/LED Guide Light	White	T6525-W
	Ivory	T6525-I
	Almond	T6525-A
	Light Almond	T6525-T
Rating		**15A-125VAC**
Decora Single Pole Switch/ LED Guide Light	White	6526-W
	Ivory	6526-I
	Almond	6526-A
	Light Almond	6526-T
Rating		**1W-120VAC**
Decora Full LED Guide Light	White	6527-W
	Ivory	6527-I
	Almond	6527-A
	Light Almond	6527-T

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

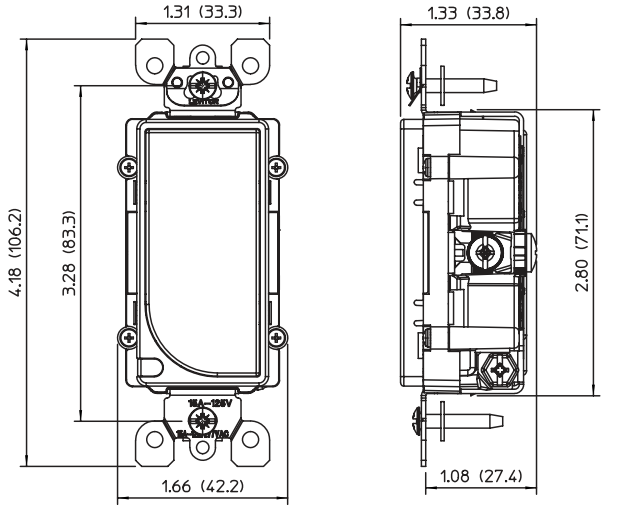
HORSEPOWER

- 15A — 1/2 @ 120V

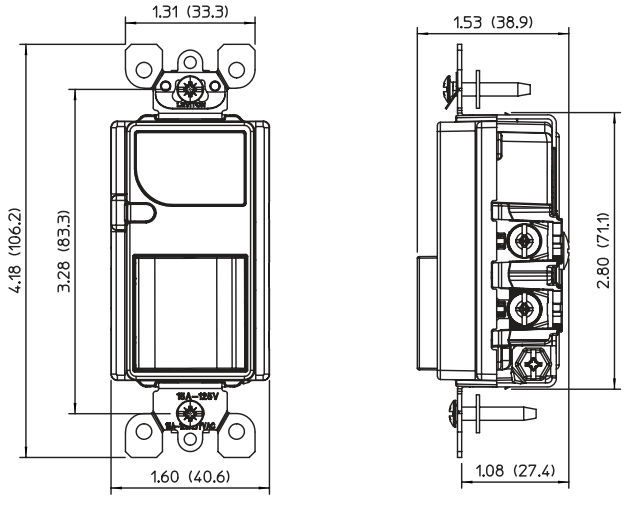
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

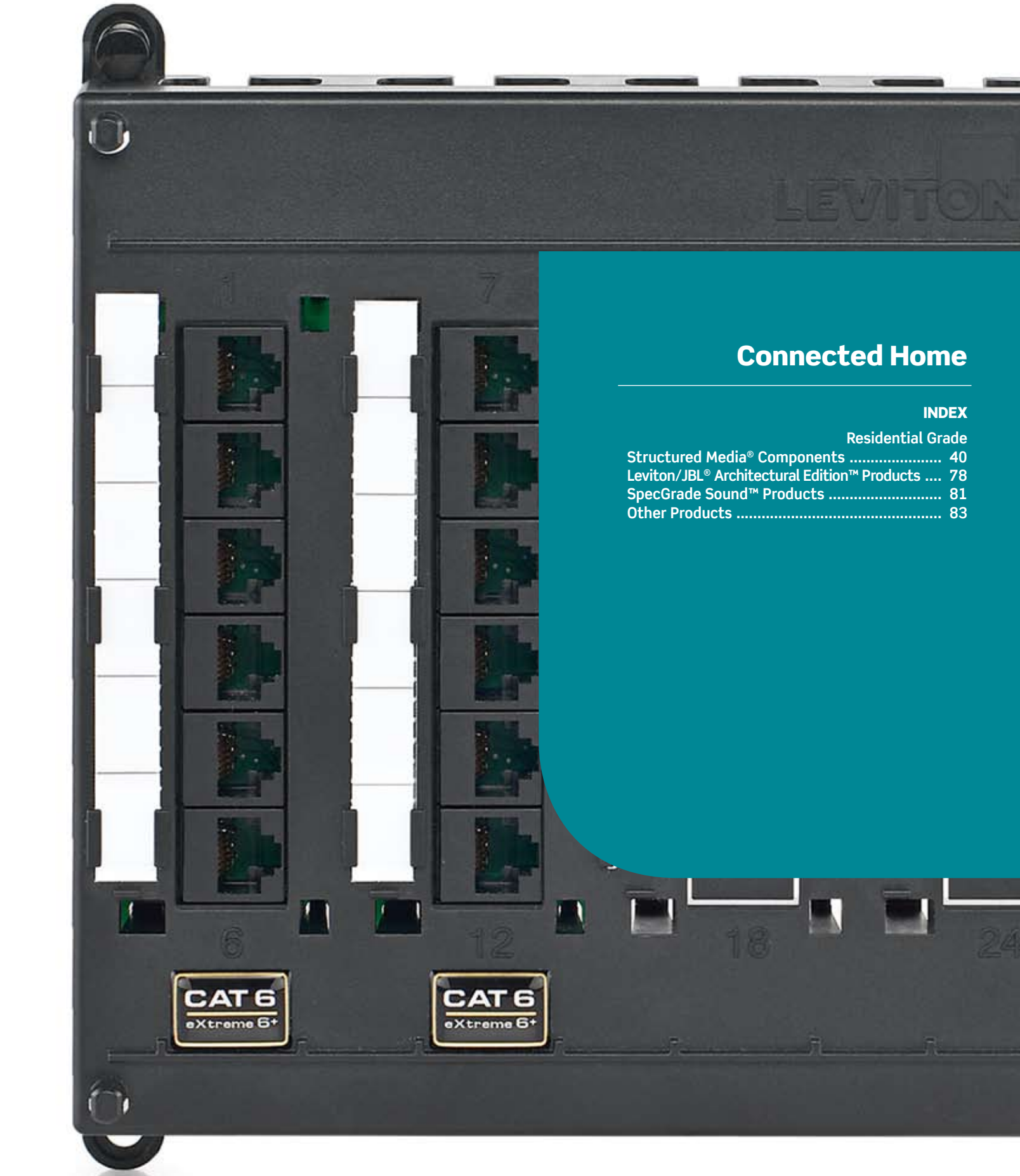
DIMENSIONS



Decora 6527
Full LED Guidelight



Decora 6526
Switch LED Guidelight



Connected Home

INDEX

Residential Grade

Structured Media® Components 40
Leviton/JBL® Architectural Edition™ Products 78
SpecGrade Sound™ Products 81
Other Products 83

Residential Grade

Connected Home Structured Media® Components

Today's home is part business, part school and part entertainment complex. Leviton has what you need to keep homeowners wired for the good things in life. Leviton meets these challenges by using the kind of structured cabling employed in demanding commercial facilities and combining it with multimedia. This approach provides the bandwidth and speed needed for voice, data and Internet access, audio and video. Set ups can be as simple as cable TV and telephone in a few rooms or as complex as a local area network (LAN) for a small office or large home.



Structured Media® Enclosures

The 14" Enclosure is the entry level for home networking. This professional grade enclosure creates one distribution point for an apartment or smaller home for all low voltage cables. It accommodates two Pre-Configured Structured Cabling Panels and is built tough to make installation easier and help reduce labor costs.

The 28" and 42" Enclosures serve single family homes as command central for communications, education, entertainment, and business needs. They also offer an industry-first riser ready innovation, a time saving improvement for installers in the field. Both the 28" and the 42" Enclosures can easily accommodate DSL and cable Internet modems, networking, cable and satellite video. They also serve VoIP, IPTV, fax, multiple telephone lines, video monitoring cameras, intercom, and distributed audio. By bringing every conceivable technology distribution point together in one place, these enclosures make running cable and managing media both simple and cost effective. Incorporate a hospital grade power quality module for maximum protection from line surges.

The 28" Enclosure can comfortably accommodate up to eight distribution modules, depending on selection and density. The 42" Encosure has generous capacity for up to 12 modules, and can also simultaneously accommodate many diverse functions. In larger homes, many contractors specify multiple Structured Media® Centers, sometimes separating coaxial cable-based CATV or Satellite TV equipment from the CAT 5e or CAT 6 UTP-based communications and networking equipment.

Please specify the appropriate size media center and allow for Module planning before you begin your project.

Specifications and Features

- Choice of three enclosure sizes address different capacities and provide extensible functionality for "wired" homes
- Accommodates full width Pre-Configured Structured Cabling Panels, delivering audio/video, voice and data to any room of the home or office
- Positive tabs on housing sidewalls prevent enclosure from falling through the studs during installation
- One piece white steel unit holds full and half width expansion modules, panels and brackets
- Can be surface mounted or recessed
- Powder coated white cover features 3/4" overlap to hide irregular drywall cuts
- Upgrade to 28" or 42" Enclosures for larger installations or future expansion
- Multiple knock-outs on top and bottom, including two 2" knock-outs on top, facilitate cable entry and routing
- Cut out in base of enclosure for mounting single and double gang J-boxes and power modules
- Six 3" square self healing foam grommets accommodate and protect cable bundles and protect cables from being cut
- Holds 1/4, 1/2 and full-width expansion modules with the ability to mount most modules vertically or horizontally
- Mounting guides on the cover align screw holes and help to hold the cover in place during installation
- Threaded inserts added to enclosures ensure accurate threading of supplied machine screws when mounting cover
- Designed to accommodate safe, high quality hospital grade power module with transient voltage surge suppression
- Locking latch with key is available for hinged covers
- Job packed units save labor and reduce waste and clean up

STRUCTURED MEDIA® CENTERS



47605-14P

14-Inch (14” X 14.38” X 3.60”), Covers (15.32” X 15.62” X .25”)

Description	Cat. No.	Materials
Enclosure and Flush Mount Cover	47605-140	Enclosure - White, Cover - White, powder-coated
Enclosure Only	47605-14E	White, powder-coated
Enclosure Only Job Packed, 6 Per Pack	47605-14G	White, powder-coated 20-gauge steel
Flush Cover Only Job Packed, 6 Per Pack	47605-14B	White, powder-coated 18-gauge steel
Flush Mount Cover	47605-14C	White, powder-coated 18-gauge steel
Hinged Cover	47605-14D	White, powder-coated 18-gauge steel
Premium Hinged Cover	47605-14P	White, powder-coated 18-gauge steel
Add-on Lock and Key	5L000-L0K	



47605-28P

28-Inch (28” X 14.38” X 3.60”), Covers (29.32” X 15.62” X .20”)

Description	Cat. No.	Materials
Enclosure and Flush Mount Cover	47605-28W	Enclosure - White, powder-coated 20-gauge steel Cover - White, powder-coated 18-gauge steel
Enclosure Only	47605-28N	White, powder-coated 20-gauge steel
Enclosure Only Job Packed, 6 Per Pack	47605-28G	White, powder-coated 20-gauge steel
Flush Cover Only Job Packed, 3 Per Pack	47605-28B	White, powder-coated 18-gauge steel
Flush Mount Cover	47605-F28	White, powder-coated 18-gauge steel
Hinged Cover	47605-28D	White, powder-coated 18-gauge steel
Premium Hinged Cover	47605-28P	White, powder-coated 18-gauge steel
Add-on Lock and Key	5L000-L0K	



47605-28N

42-Inch (42” X 14.38” X 3.60”), Covers (43.32” X 15.62” X .20”)

Description	Cat. No.	Materials
Enclosure and Flush Mount Cover	47605-42W	Enclosure - White, powder-coated 20-gauge steel Cover - White, powder-coated 18-gauge steel
Enclosure Only	47605-42N	White, powder-coated 20-gauge steel
Flush Mount Cover	47605-F42	White, powder-coated 18-gauge steel
Hinged Cover	47605-42D	White, powder-coated 18-gauge steel
Premium Hinged Cover	47605-42P	White, powder-coated 18-gauge steel
Add-on Lock and Key	5L000-L0K	

STRUCTURED MEDIA CENTER CONFIGURATIONS

Configuration A

Description	Cat. No.
14” Multi-Dwelling Unit SMC With Flush Mount Cover	47605-1MG
28” Multi-Dwelling Unit SMC With Flush Mount Cover	47605-2MG
48” Multi-Dwelling Unit SMC With Flush Mount Cover	47605-4MG

Configuration B

Description	Cat. No.
28" Multi-Dwelling Unit SMC Enclosure Only	47605-M28
42" Multi-Dwelling Unit SMC Enclosure Only	47605-M42

SMC Back Plates

Description	Cat. No.
28" Structured Media® Center Pre-Fab Back Plate	47605-28P
42" Structured Media Center Pre-Fab Back Plate	47605-48P

TESTING AND CODE COMPLIANCE
- ACA and cULus Listed
- UL Listed for fire and burglary



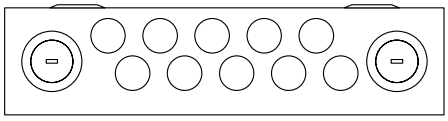
47605-42N



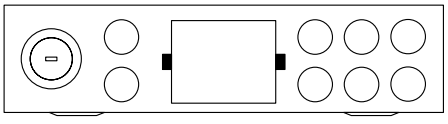
47605-42P

DIMENSIONS

MDU Configuration A

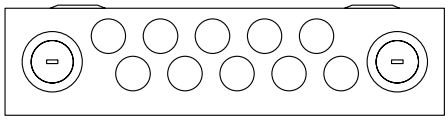


Top

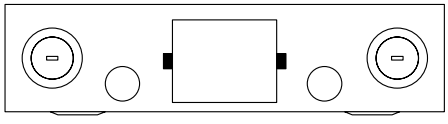


Bottom

MDU Configuration B



Top



Bottom

Knockout sizes support 1" and 2" commercial conduit.

28” and 42” Enclosure Extender Brackets

The Extender Brackets provide an additional 2” of depth and enhanced ventilation for the 28” and 42” Enclosures. The Extender Brackets attach between the enclosure and the cover to form a frame which has four 2” deep sheet metal rails with louvers on each side. The increase in depth allows for better cable management and for larger modules within the Structured Media® Center.

Specifications and Features

- Made of sturdy, white powder-coated 18-gauge sheet metal
- Louvers in the Extender Brackets enhance ventilation for added protection against heat build up from installed modules

28” AND 42” ENCLOSURE STRUCTURED MEDIA® CENTER EXTENDER BRACKETS

Description	Cat. No.	Dimensions
Extender Bracket 2” depth extension package for 28” Structured Media® Centers	47612-28B	24.25” H x 15.62” W x 2.81” D
Extender Bracket 2” depth extension package for 42” Structured Media Centers	47612-42B	43.25” H x 15.62” W x 2.81” D

Limited Warranties

Most Leviton Structured Media® products include a limited Two-Year product warranty. Leviton Residential Network Installers are authorized to provide a 25-Year limited product warranty on selected products.

Media Versatile Panel™

The Media Versatile Panel was made for custom retrofits and remodeling. The 24” high steel panel has a securable door and can accommodate a wide variety of Structured Media Distribution Modules and other devices. This sturdy industrial grade panel can be surface mounted or recessed in the wall. In the case of non-standard stud spacing, optional mounting brackets may be used. The Media Versatile Panel is available in a black powder-coat finish.

Specifications and Features

- Eight 1” or 1.5” conduit fittings on top and bottom facilitate cable entry and routing
- Wall-mount or recess
- Ideal for new installations or retrofits
- Securable door provides maximum protection from dust and unauthorized entry
- Plywood backing allows open architecture for customizing layout and can accommodate a wide variety of Structured Media Distribution Modules



47602-24E

MEDIA VERSATILE PANEL

Description	Cat. No.	Dimensions	Materials
Media Versatile Panel with Cover	47602-24E	24.0” (609.6mm) H x 14.0” (355.6mm) W x 600” (152.4mm) D	Powder coated 18 gauge steel with 3/8” plywood backing
Mounting Brackets, set of four	47602-BKE		

Media Versatile Panel™ is a trademark of Leviton Manufacturing Co., Inc.

TESTING AND CODE COMPLIANCE

- UL Listed

Compact Structured Media® Enclosure

This unit is a compact, cost effective distribution point for media in smaller apartments and small condominiums. Easy to install, the Compact Structured Media Enclosure accommodates a variety of telephone and video configurations.

Specifications and Features

- Flexibility to accommodate a variety of telephone/video distribution configurations
- Snap-on cover requires no tools or fasteners
- Molded-in brackets provide quick snap-in convenience for Expansion Boards
- Angled video splitter shelf for easy installation
- Hosts up to three Expansion Boards and one Passive Video Splitter
- Available empty with cover or in two kit versions with a 1x6 Telephone Expansion Board or with a 1x6 Telephone Expansion Board and a 1 GHz 6-Way Splitter

COMPACT STRUCTURED MEDIA ENCLOSURE

Description	Cat. No.	Dimensions	Materials
Compact Structured Media® Enclosure and Cover, empty	47605-MDU	8.03" (204.0mm) H x 14.40" (365.6mm) W x 3.71" (94.2mm) D	ABS molded plastic
Compact Structured Media Enclosure Cover only	47605-MDC	9.01" (228.9mm) H x 15.39" (390.8mm) W x 0. 51" (13.0 mm) D	ABS molded plastic
MDU Kit (Compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board)	47604-0F6	8.03" (204.0mm) H x 14.40" (365.6mm) W x 3.71" (94.2mm) D	ABS molded plastic
MDU Kit (Compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board and 6-Way Splitter. 1 GHz)	47604-F6S	8.03" (204.0mm) H x 14.40" (365.6mm) W x 3.71" (94.2mm) D	ABS molded plastic



47604-F6S

TESTING AND CODE COMPLIANCE

- cULus Listing for Communications Equipment

Mounting Brackets

Several different brackets mount a variety of Leviton or other devices and enhance the capability of the Structured Media® Centers. The Plastic Single Bracket accepts mounting of any single width Leviton expansion board, such as the phone, data, security or DSL Filter Board within the Structured Media Center. The Plastic Expansion Bracket is a full width bracket that can be populated with up to five Leviton phone, data, security or DSL Filter Expansion Boards. The universal design of the Plastic Data Bracket enables mounting of other manufacturers' switches, routers, broadband modems, media converters and FTTH gateways within Leviton's Structured Media Centers. The plastic half bracket accepts up to three Leviton single width expansion boards and the removable spines allow for all TLDM board mounting.

Specifications and Features

- All plastic brackets
- Made of sturdy white ABS plastic
- Comes with push-lock pins
- Snap-in installation in any 14" 28" or 42" Structured Media Center
- Allows for cable management via routing under bracket



47612-SBK



47612-EBK



47612-HBK

MOUNTING BRACKETS FOR ALL STRUCTURED MEDIA® CENTERS

Description	Cat. No.
Plastic Single Bracket for mounting a single width Leviton expansion board (e.g., phone, data, security or DSL Filter)	47612-SBK
Plastic Expansion Bracket for mounting up to five Leviton phone, data, security or DSL Filter Expansion Boards	47612-EBK
Plastic Shelf Bracket for mounting up to four Leviton phone, data, security or DSL Filter, Expansion Boards and a Passive Splitter on a Leviton Series 140, 280 or 420 Structured Media® Center	47612-VSB
Plastic Half-Bracket for mounting up to three leviton phone, data, security or DSL Filter Expansion Boards	47612-HBK
Plastic Data Bracket for mounting switches, routers, broadband modems, media converters, and FTTH gateways	47612-DBK

Multimedia Adapter Bracket and Mounting Plates

Create a custom audio/video, copper or fiber mini-panel in a Structured Media® Center with the Multimedia Adapter Bracket. The Bracket supports a choice of two 6-pack mounting plates and snaps easily into any of Leviton's Structured Media Centers with push-pins. Pre-loaded mounting plates are available for BNC and F-connectors, or create a custom configuration with unloaded 6-pack QuickPort® plates. QuickPort plates accept any combination of the following QuickPort adapters or connectors: BNC, F-Connector, ST, FC, SC and MT-RJ Fiber Optics, Banana Jacks, Speaker Binding Posts, RCA, S-Video, Voice Grade and Category 5, 5e or 6. Brackets mount vertically or horizontally.

Specifications and Features

Multimedia Adapter Bracket

- Made of white powder coated sheet metal
- Accepts up to two 5F100 Series 6-pack plates
- Comes with push-lock pins

5F100 Series 6-Pack Plates

- Made of black powder coated sheet metal
- Comes with push-lock pins

MULTIMEDIA ADAPTER BRACKET

Description	Cat. No.
Multimedia Bracket	47612-MMA
BNC Mounting Plate, 6-pack, loaded	5F100-BNC
F-Connector Mounting Plate, 6-pack, loaded	5F100-6VF
QuickPort Mounting Plate, 6-pack, unloaded	5F100-6QP
8-Conductor Flat Telephone Patch Cord, 8" long (one each)	42400-8FG



47612-MMA



5F100-BNC/5F100-6VF/5F100-6QP

QuickPort® is a registered trademark of Leviton Manufacturing, Inc.

Universal Security and Shelf Brackets

The Universal Security Brackets allow consolidation and integration of security products into any of Leviton's 14", 28" or 42" Structured Media® Center Enclosures. The 6" and 12" Universal Security brackets accommodate the widest variety of security alarm panels. The 1" wide Brackets are sold in pairs with self tapping screws and insulating spaces so you can easily attach them to the panels. The Universal Shelf Bracket provides space for security batteries of various sizes as well as other products to be mounted with Leviton's 14", 28" or 42" Structured Media Centers. The Bracket comes with four 8" long Velcro® strips to strap down products to the shelf, ensuring both vertical and horizontal stability.

Specifications and Features

All Security Brackets

- Made of white powder-coated sheet steel
- Comes with push-lock pins

Universal Security Brackets

- Allows an unlimited number of upgrades (limited only by the enclosure's size) to be added to an existing security system terminated within any Leviton Structured Media Center
- Sold in pairs with self-tapping screws and spacers to easily connect the largest number of security alarm manufacturers' panels

Universal Shelf Bracket

- Allows security batteries and other products to be mounted inside any Leviton Structured Media Center
- Vertical and horizontal slots on bracket to accommodate Velcro® strips, ensuring vertical and horizontal stability

Combo Bracket

- Allows Leviton products to be installed in most non-Leviton structured wiring enclosures



47612-6SB/47612-1SB



47612-UBK



47612-FSB/47612-HSB



47612-CBK

UNIVERSAL SECURITY AND SHELF BRACKETS FOR LEVITON 14", 28" OR 42" STRUCTURED MEDIA CENTERS

Description	Cat. No.
6" Universal Bracket. Comes with a set of two 6" long, 1" wide brackets with self-tapping screws and spacers for mounting with Leviton's Series 14", 28" or 42" Structured Media Centers	47612-6SB
12" Universal Bracket. Comes with a set of two 12" long, 1" wide brackets with self-tapping screws and spacers for mounting with Leviton's Series 14', 28" or 42" Structured Media Centers	47612-1SB
Universal Shelf Bracket. Comes with four 8" long Velcro strips to strap down security batteries of various sizes as well as other products to be mounted within Leviton's Series 14", 28" or 42" Structured Media Centers	47612-UBK
Half-Width Universal Security Plate. Comes with a 6" long plate with four adhesive clips for mounting with Leviton's Series 14", 28" or 42" Structured Media Centers	47612-HSB
Full-Width Universal Security Plate. Comes with a 12" long plate with four adhesive clips for mounting with Leviton's Series 14", 28" or 42" Structured Media Centers	47612-FSB
Combo Bracket. Designed to accommodate Leviton products to be installed in most structured wiring enclosures on the market	47612-CBK

Velcro® is a registered trademark of Velcro Industries, BV.

Voice/Data/TV Panels

Leviton Voice/Data/TV Panels allow telephone, data and video to be routed throughout the home from one simple Panel. It's a flexible solution available in many different configurations. Its up to the minute, cost-efficient solution modules and expansion boards can be added as requirements change.

High Density/Low Profile Interconnect Panels

Leviton brings the engineering, standards compliance and reliability of our commercial and industrial offerings to your new home installations.

Specifications and Features

- High density, component-rated patching for both voice and Gigabit ethernet connections
- Built-in label holders to identify key connections
- A high-tech, aesthetic look for discerning customers



476TM-652



476TM-654



476TL-T12

HIGH DENSITY/LOW PROFILE INTERCONNECT PANELS

Description	Cat. No.	Consists Of
Cat 5e Twist & Mount Patch Panel	476TM-524	24 Cat 5e Connectors
Cat 5e Twist & Mount Patch Panel	476TM-512	12 Cat 5e Connectors
Cat 6 Twist & Mount Patch Panel	476TM-624	24 Cat 6 Connectors
Cat 6 Twist & Mount Patch Panel	476TM-612	12 Cat 6 Connectors
Cat 5e/6 Twist & Mount Patch Panel	476TM-652	6 Cat 5e and 6 Cat 6 Connectors
Cat 5e/6 Twist & Mount Patch Panel	476TM-654	12 Cat 5e and 12 Cat 6 Connectors
Telephone Input Distribution Panel (TIDP)	476TL-T12	1-4 telephone jacks

Pre-configured Structured Cabling Panels – Compact Series

Compact Pre-configured Structured Cabling Panels are the simple solution for basic telephone and TV distribution. These Panels feature a space saving profile and provide simple bridged telephone connections to nine locations and 1GHz video to four or six locations, respectively. Compact Series Panels are ideal for multi-dwelling units and apartments or any place where space and budgets are of great concern.



47603-1G4



47603-TSV



47603-DP6

PRE-CONFIGURED STRUCTURED CABLING PANELS – COMPACT SERIES

Description	Cat. No.	Consists Of
Telephone and 4-way TV	47603-1G4	– One 1x9 Bridged Telephone Board – One 4-way 1 GHz TV Splitter
Telephone and 6-way TV	47603-1G6	– One 1x9 Bridged Telephone Board – One 6-way 1 GHz TV Splitter
Telephone and 8-way TV	47603-1G8	– One 1x9 Bridged Telephone Board – One 8-way 1 GHz TV Splitter
Telephone Security and 6-way TV	47603-TSV	– One Telephone Security Board – One 6-way 1 GHz TV Splitter
Telephone Data and 6-way TV	47603-DP6	– One 1x4 4-Line Bridged Telephone and 4-Port Cat 5e Combo board – One 6-way 1 GHz TV Splitter

Compact panel dimensions: 6.55"(166.4mm) H x 6.55"(166.4mm) W x 3.01"(76.5mm) D.
For detailed features and dimensions, please consult individual specification sheets at www.leviton.com.

STAND-ALONE MODULES WITH BRACKETS

Description	Cat. No.
1x9 Bridged Telephone Module	47689-00B
Cat 5e Voice and Data Module	47605-C5B
Cat 6 Voice and Data Module	47611-C6B
Telephone Security Module	47609-TSV
DSL Filter Module	47616-DSB

Pre-configured Structured Cabling Panels

Leviton's Pre-configured Structured Cabling Panels combine some of Leviton's most popular voice, data and radio frequency modules to create an economical, one stop home media distribution point. Some modules are available in expansion styles to fill unused panel slots as shown below. Choose the pre-configured combination that best meets your needs and then enhance it with expansion boards or stand alone modules.

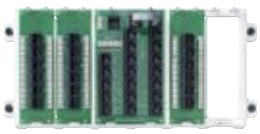
PRE-CONFIGURED STRUCTURED CABLING PANELS – FULL SIZE

Description	Cat. No.	Consists Of
1 Basic Telephone and Video Panel (BTV)	47606-BTV	– One 1x9 Bridged Telephone Board – One 6-way 2 GHz Video Splitter
Basic Home Networking Plus Panel (BNP)	47606-BNP	– One Telephone Patching Board – One Cat 5e Voice and Data Board – Six 4-line telephone connections – One 6-way 2 GHz Video Splitter
Advanced Home Telephone and Video Panel (AHT)	47606-AHT	– One Telephone Line Distribution Board – 19 multi-line telephone connections (in various combinations of two or four lines) – One Cat 5e Voice and Data Board – One 6-way 2 GHz Video Splitter
Advanced Home Office Panel (ASO)	47606-ASO	– One Telephone Line Distribution Board – 19 multi-line telephone connections (in various combinations of two or four lines) – Two Cat 5e Voice and Data Boards – One 6-way 2 GHz Video Splitter
12-Port Structured Media Panel (12P)	47603-12P	– One Telephone Line Distribution Board – 19 multi-line telephone connections (in various combinations of two or four lines) – Two Cat 5e Voice and Data Boards
18-Port Structured Media® Panel (18P)	47603-18P	– One Telephone Line Distribution Board – 19 multi-line telephone connections (in various combinations of two or four lines) – Three Cat 5e Voice and Data Boards
24-Port Structured Media Panel (24P)	47603-24P	– One Telephone Line Distribution Board – 19 multi-line telephone connections (in various combinations of two or four lines) – Four Cat 5e Voice and Data Boards
4x12 Telephone Distribution Module	47603-12M	– One 4x12 Telephone Distribution Board
4x12 Telephone Distribution Module with Splitter	47603-412	– One 4x12 Telephone Distribution Board – One 8-way 2 GHz Video Splitter
4x18 Telephone Distribution Module	47603-18M	– One 4x18 Telephone Distribution Board
4x18 Telephone Distribution Module with Cat 5e Board	47603-8C1	– One 4x18 Telephone Distribution Board – One Cat 5e Voice and Data Board


47606-BTV


47606-BNP


47606-ASO


47603-18P

Full-size panel dimensions: 6.13" (155.7mm) H x 13.30" (337.8mm) W x 2.28" (57.9mm) D.
For detailed features and dimensions, please consult individual specification sheets at www.leviton.com.
NOTE: Pre-configured panels are assembled at the factory and will contain one or more of the following distribution boards.

PANEL COMPONENTS AND EXPANSION BOARDS



47603-110



47609-F6



47689-008



47609-D5P



47609-S10



47609-4DP



47609-004

Description	Cat. No.	Application	Features
1x9 Bridged Telephone Board	47603-110	Telephone Fax, Modem	- Bridge up to four telephone lines to nine locations - Connect up to nine separate telephones per line - Printed circuit board - 4-pair 110-type IDC punchdowns
1x6 Bridged Telephone Board	47609-0F6	Telephone, Fax, Modem	- Bridge up to four telephone lines to six locations - Connect up to six separate telephones per line - Printed circuit board - IDC connectors for Cat 5 or 5e wire - RJ45 expansion port
1x9 Bridged Telephone Module	47689-00B		- ABS Plastic Bracket - Bridge up to four telephone lines to nine locations - Connect up to nine telephones per line
1x10 Bridged Telephone Board with Security	47609-S10	Telephone, Fax, Modem	- Bridge up to six telephone lines to ten locations - Connect up to ten separate telephones per line - Printed circuit board - IDC connectors for Cat 5 or 5e wire - RJ45 expansion port - Punchdown security interface to accommodate alarm systems
VDSL Board with 1x5 Bridged Phone with Data Pass through IDCs	47609-D5P	Data, Telephone, Modem	- Bridge up to four telephone lines to five locations - Connect up to five separate telephones per line - IDC connectors for Cat 5 or 5e wire - Termination point and pass through for a data connection via IDCs up to 150MHz
Combo Phone and Data Board with 1x4 Bridged Phone and 4-Port Cat 5e	47609-4DP	Data, Telephone	- Provides both data and phone connections on a single board - 1x4 phone portion provides four telephone lines up to four locations via IDC punchdowns - Four ports of Cat 5e 150MHz data connections via modular RJ45 jacks and 4-pair 110-type IDC punchdowns
1x4 Bridged Telephone Board	47609-004	Telephone, Fax, Modem	- 1x4 phone board provides four lines up to four locations via IDC punchdowns

Description	Cat. No.	Application	Features
Cat 5e Voice & Data Board	47603-0C5	Data, Telephone, Fax, Modem	– Patch phone or data connections to six locations – Combine with a TLDM, key system or network hubs for added applications – 4-pair 110-type IDC punchdowns – Six Cat 5e RJ45 ports – Printed circuit board
CAT 5e Voice & Data Module	47605-C5B		
Cat 6 Voice & Data Board	47611-0C6	Data, Telephone, Fax, Modem	– Meets TIA/EIA-568B channel rating to easily handle Gigabit data rates – Punchdown Cat 6 cable to this board – Combine with Gigabit Internet Gateway/Router or Gigabit Ethernet Switch for additional applications – 4-pair 110-type IDC punchdowns and six Cat 6 jacks
CAT 6 Voice & Data Module	47611-C6B		
Telephone Patching Board/Expanded 4-line Telephone Distribution	47609-EMP	Telephone, Fax, Modem	– Bridge up to four telephone lines to seven locations – Printed circuit board module – One incoming 4-pair 110-type IDC punchdown – Seven outgoing RJ45 jack connections – Combine with a Cat 5e board to rout telephone to remote locations
Telephone Security Board/route simple telephone with security interface	47609-TSV	Telephone, Fax, Modem	– Bridge up to four telephone lines to six locations – Connect up to six separate telephones per line – Connect to security system – Printed circuit board module – 4-pair 110-type IDC punchdowns
DSL Filter Board	47616-DSF	Telephone, Modem	– Filters DSL signal from phone line before distribution throughout a home or office – Eliminates need for individual filers at each wallplate – Use with any phone distribution module – Printed circuit boad module with RJ45 jack and 110-type punchdowns
DSL Filter Module	47616-DSB		
Telephone Line Distribution Board (TLDM)	47603-TDM	Telephone, Fax, Modem	– 19 multi-line telephone connections in combinations of two or four lines; bridge "line 1" service to 12 locations and 4-line service to eight locations – Connect to Cat 5e Voice and Data Board(s) or additional panels for more connections and easier adds/moves/changes – Independent RJ45 jack and punchdown security interface to accommodate alarm systems
4x12 Telephone Distribution Board	47603-12B	Telephone, Fax	– Bridge up to four telephone lines to twelve locations
4x18 Telephone Distribution Board	47603-18B	Telephone, Fax	– Bridge up to four telephone lines to eighteen locations



47603-0C5



47605-C5B



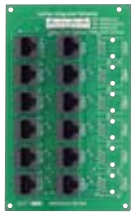
47611-C6B



47609-TSV



47616-DSB



47603-12B



47603-18B

Power Supplies

Leviton takes special care in designing power modules and supplies for the Structured Media® Center. AC receptacle power modules come in both surge protected and non-surge protected versions. Power supplies are available in various output DC voltages and accommodate domestic and international AC inputs. Two supplies are housed in powder-coated steel enclosures that ingeniously drop into a cut out in the bottom of the Structured Media Center. This design allows you to install the power required without taking up valuable space inside the enclosure.

Surge Protection and Standard AC Power Modules and J-Box Kits

Leviton offers reliable surge protection AC Power Modules and J-Box kits. Both the AC Power Module and the J-Box kits work with the 14", 28" and 42" Structured Media Centers. Choose either surge protection for optimum protection or non-surge protective. The surge protected options provide EMI/RFI filtering that meets UL 1449 standards. The AC Power Modules feature two 15-Amp duplex receptacles and the J-Box kit features one 15-Amp duplex receptacle.



47605-DP



48212-6S



47605-ACS

AC POWER MODULES FOR 28" AND 42" STRUCTURED MEDIA ENCLOSURES

Description	Cat. No.	Dimensions	Input
Surge AC Power Module, two duplex receptacles Standards Compliance: UL 1449	47605-0DP	3.08" (78.2mm) H x 9.87" (250.7mm) W x 2.94" (74.7mm) D	2 @ 15A 120 VAC
Non-Surge AC Power Module, two duplex receptacles	47605-NDP	3.08" (78.2mm) H x 9.87" (250.7mm) W x 2.94" (74.7mm) D	2 @ 15A 120 VAC
AC Surge Module, six duplex receptacles	48212-06S	3.08" (78.2mm) H x 9.87" (250.7mm) W x 2.94" (74.7mm) D	2 @ 15A 120 VAC

J-BOX KITS FOR 14", 28" AND 42" STRUCTURED MEDIA CENTERS

Description	Cat. No.	Dimensions	Input
Surge J-Box Kit, one duplex receptacle, wallplate Standards Compliance: UL 1449	47605-ACS	2.00" (50.8mm) H x 3.00" (76.2mm) W x 2.50" (63.5mm) D	1 @ 15A 120 VAC
Non-Surge J-Box Kit, one duplex receptacle, wallplate	47605-ACN	2.00" (50.8mm) H x 3.00" (76.2mm) W x 2.50" (63.5mm) D	1 @ 15A 120 VAC

Universal DC Power Supplies

These compact units are designed specifically to fit into Leviton's 14", 28" and 42" Structured Media® Enclosures. They are compatible with any incoming AC voltage in the range of 90 to 264 VAC, 50 or 60 Hz. They have three, six, or nine 12VDC connectors providing from 10 to 40 watts of power. All modules provide short circuit overload and surge protection as well as EMI/RFI filtering to connected equipment.

Specifications and Features

- Surge protected units provide greater protection for line voltage modules, including multi-stage defense (L-N, L-G, N-G)
- Non-surge suppressor units provide a cost effective method of providing power to active components
- Safety clips protect outlets from dust, dirt and debris
- Saves valuable real estate by mounting on outside of Structured Media® Centers
- Meets UL 1449 standards



47605-PSC



47605-PSA



47605-PSB

DC POWER SUPPLIES

Description	Cat. No.
Universal DC Power Supply, nine 12VDC connectors and one IEC AC receptacle	47605-PSA
Accessory for above: IEC to NEMA 15A Adapter power cord (12")	48212-IEC
Universal Mini DC Power Supply, three 12VDC connectors	47605-PSB
Versatile Power Supply, six 12 VDC connectors and two NEMA 15 Amp receptacles	47605-PSC

Related Products — Surge Protective Devices

Leviton offers Surge Protection Panels (Cat. No. S1110-001) and a wide range of Surge Protective Devices.
For more information on Surge Protection Panels **see page 585.**

DC Bus

Leviton created the DC Bus in response to the additional requirements for high quality DC for components in the Structured Media® Center. This unique solution reduces clutter and opens up additional space in the Structured Media Enclosure by eliminating the need for more than two AC/DC power adapters. Powered by a single 12VDC adapter and a single 24VDC adapter, the DC Bus provides fully regulated, 12VDC and 24VDC power for several devices.

Specifications and Features

- Contains six 12VDC outputs
- Contains three 24VDC outputs, including one 1 F-connector for coaxial cable connection
- Comes with fully regulated 12V DC & 24V DC AC/DC power adapters
- Power indicating LEDs for both 12VDC and 24VDC inputs
- Comes with 2.1 mm mini power jacks and cords for 12VDC and 1.3 mm mini power jacks for 24VDC



48212-124

DC BUS

Description	Cat. No.
DC Bus - 12VDC & 24VDC	48212-124
Dimensions	2.13" (54.2mm) H x 6.57" (166.8mm) W x 2.43" (61.7mm) D
Input	12VDC and 24VDC AC/DC power adapters (supplied)
Output	Provides 12VDC power at up to 1500 mA total with outlets for five devices. Provides 24VDC power at up to 1000 mA total with outlets for three devices, including one with F-connector/coaxial cable requirements
Output Power Cables	Included for all but 24 VDC F-connector coaxial connection

Snap-in Modules for Structured Media Center Surge Module Bracket

Leviton's Snap-in Surge Protection Modules provide customized surge protection for all low voltage communication and data lines in the Structured Media Center. All Series 5950 Modules can snap-in to the Cat. No. 3950-BKT Surge Module Bracket. The bracket allows you to add and change modules to fit specific protection needs. Choose from a selection of protection modules for digital Satellite systems, Ethernet systems, cable TV, telephone/fax/modem and DSL/ADSL equipment.

Specifications and Features

- Interchangeable modules accommodate changing surge protection needs
- All modules easily snap into the 3950 Surge Module Bracket
- User friendly design – no wiring required
- Telephone/Fax/Modem Module acts as a splitter, allowing the connection of two devices



3950-BKT

SNAP-IN SURGE PROTECTION BRACKET AND MODULES

Description	Cat. No.
Surge Module Adapter Bracket – For use with Leviton Structured Media Centers	3950-BKT
Satellite System/Cable TV Protection Module – Four standard F-connectors; 3A fuse for over-current; max. line voltage: 75VDC; breakdown voltage range: 70.4-110 volts/sec	Beige: 5951-0SA Grey: 5951-SAT Ice: 5951-SAC

Description	Cat. No.
Satellite System/Cable TV Protection Module – Four standard F-connectors; 3A fuse for over-current; max. line voltage: 75VDC; breakdown voltage range: 70.4-110 volts/sec	Beige: 5951-0SA Grey: 5951-SAT Ice: 5951-SAC
Ethernet Protection Module (10 Base-T Applications) – Two RJ45 connectors to protect two pairs of transmit/receive lines; 10A automatic resettable PTC fuses; max. operating voltage: 16.6VDC; breakdown voltage range: 2.62-19.2 volts/sec	Beige: 5952-0ET Grey: 5952-ETH
Cable TV System Protection Module – Two standard F-type connectors; 3A fuse for over-current; max. line voltage: 75VDC; breakdown voltage range: 70.4-110 volts/sec	Beige: 5953-0PC Grey: 5953-PCG Ice: 5953-PCC
Telephone/Fax/Modem Protection Module – Three RJ11, 4-wire/2-pair connectors; 3-position splitter allows for connection to a common line; 3A fuse for over current protection; max. operating voltage: 150 VRMS (including ring voltage); breakdown voltage range: 162-331 volts/sec	Beige: 5954-AT4 Grey: 5954-PT4 Ice: 5954-CT4
DSL/ADSL Subscriber Equipment Protection Module – Three RJ11, 4-wire/2-pair connectors; 3A fuse for over current protection; max. operating voltage: 150 VRMS (including ring voltage); breakdown voltage range: 162-331 volts/sec	Beige: 5955-0DT Grey: 5955-DTG



5951/5953/5954

Data Networking

Leviton has routers to share Internet access, Ethernet switches offering additional ports for the in-home Local Area Network (LAN), and a complete collection of connectivity products for Category 5e and Category 6 high-speed networking to help homeowners get their work done. You'll find everything you need to meet today's increasingly complex home office requirements including support for Gigabit Ethernet.



Data Networking

Specifications and Features

10/100 Router

- Connects up to four devices directly (up to 253 computers via a series of cascaded devices) to the Internet using a single shared high-speed DSL, cable modem or satellite connection
- Allows fast Internet access at up to 100 Mbps
- Includes four 10/100 Ethernet ports for in-home LAN connections
- Permits creation of a private high-speed home area network (HAN) or local area network (LAN) in small office/home office (SOHO) environments for all connected computers with its fast, integral 10/100 Mbps auto-sensing Ethernet ports
- High performance suitable for demanding home office and telecommuting applications, including sharing of high-speed and high-capacity devices such as storage devices and back up systems
- Network Address Translation (NAT) technology creates a firewall that securely cloaks the private network from outside access
- Pass-through IPSEC and ISAKMP protocols allow attached LAN users to implement secure Virtual Private Network (VPN) communication applications on their PCs
- Built in DHCP server allows for easy set up and allocation of IP addresses on the LAN
- Network protocols: TCP/IP, DHCP, DNS, NAT, TFTP, HTTP, PPPOE
- Auto detect uplink: use any port to cascade additional switches, hubs or routers
- Connections are made by running cable from desired wallplate locations to a Cat 5e Voice and Data Module From there, a Cat 5 or 5e patch cord can be used to connect the Gateway to the Cat 5e Module

10/100/1000 Gigabit Router

- Includes all the features of the 10/100 Base-T Internet Gateway/Router plus 10/100/1000 Base-T data rates, plus the additional features below
- Full 1 Gbps performance on all ports
- Includes IEEE 802.3p and Quality of Service functions needed for optimum VoIP, IPTV, and high speed multi-user gaming performance
- Includes LEDs to indicate Power, Link/Activity 10, 100 and 1000 Mbps and WAN
- Features high performance store-and-forward switching architecture with CRC and Runt Filtering

10/100 Ethernet Switches

- Allows fast Ethernet access at up to 100Mbps
- Connects up to five devices (47611-5PT) or eight devices (47611-8PT) directly and allows expansion of LAN ports from the 10/100 Internet Gateway/Router
- Auto detect uplink: use any port to cascade additional switches, hubs or routers
- High performance suitable for demanding home office applications, including networking of high speed, high-capacity Ethernet devices such as storage devices and back up systems
- Connections are made by running cable from desired wallplate locations to a Cat 5e Voice and Data Module From there, a Cat 5 or 5e patch cord can be used to connect the Switch to the Cat 5e Module

10/100/1000 Gigabit Ethernet Switch

- Includes all features of the 10/100 Base-T Ethernet Switch except at 10/100/1000 Base-T data rates, plus the additional features below
- Full 1 Gbps on all ports
- Expansion LAN ports for Gigabit-enabled IPTV sets and set top boxes, gaming consoles, network drives, and other very high speed peripherals
- Includes LEDs to indicate Power, Link/Activity 10, 100 and 1000 Mbps
- Features high performance store-and-forward switching architecture with CRC and Runt Filtering


47611-5GB


47611-5PT


47611-8PT


47611-GT4

10/100 ETHERNET SWITCHES AND INTERNET GATEWAY ROUTER

	10/100 Switches		10/100 4-Port
	5-Port	8-Port	Internet Router
Cat. No.	**47611-5PT**	**47611-8PT**	**47611-GT4**
Data Transfer Rate	10/100/1000 Mbps		10/100/1000 Mbps
Connectors	5 (or 8) ports, 1 AC power adapter jack		4 LAN ports, 1 WAN port, 1 AC power adapter jack
Cabling Requirements	Standard Cat 5/5e UTP		Standard Cat 5/5e UTP
LED Indicators	One power indicator, 5 (or 8) link/activity and 5 (or 8) 100 Mbps		One power indicator, one diagnostic indicator, five link/activity, five FDX/Col and five 10/100 Mbps
Power Supply	12VDC, 1000 mA		12VDC, 1000 mA
Dimensions	3.54" (98.9mm) H x 6.50" (165.1mm) W x 2.52" (64.0mm) D		3.94" (101mm) H x 6.50" (165.1mm) W x 2.59" (65.8mm) D
Standards Compliance	IEEE 802.3 10 Base T Ethernet		IEEE 802.3u 100 Base-TX Fast Ethernet and FCC Class B

10/100/1000 GIGABIT ETHERNET SWITCH AND INTERNET GATEWAY ROUTER

	10/100/1000 5-Port Ethernet Switch	10/100/1000 Internet Gateway Router
Cat. No.	**47611-5GB**	**47611-GB4**
Data Transfer Rate	10/100/1000 Mbps	10/100/1000 Mbps
Connectors	5 ports, 1 AC power adapter jack	4 LAN ports, 1 WAN port, 1 AC power adapter jack
Cabling Requirements	Standard Cat 5e/6 UTP	Standard Cat 5e/6 UTP
LED Indicators	One power indicator, one status indicator, four link/activity, , 4/1000 Mbps, 1 WAN	One power indicator link/activity, five 10/100/1000 Mbps
Power Supply	12VDC, 1000 mA	12VDC, 1000 mA
Dimensions	3.54" (89.8mm) H x 6.5" (165.1mm) W x 2.54" (64.3mm) D	3.54" (89.8mm) H x 6.5" (165.1mm) W x 2.54" (64.3mm) D
Standards Compliance	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.3p and q for QoS FCC Part 15 Class B and RFC2131 compliant	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.3p and q for Quality of Service (QoS), FCC Part 15 (Class B)

Premium CATV Modules

Leviton's Premium CATV Modules distribute incoming RF signals (Cable TV, HDTV, Antenna or other modulated sources) to 1, 8 or 16 locations throughout the home or office on coaxial cable. The modules incorporate state-of-the-art bidirectional circuitry to support advanced interactive applications such as cable modem, cable box communications and standard inputs like incoming CATV and aerial antennas. Delivery of HDTV and high speed Internet services with streaming media and VoIP require improved transmission specifications. The Premium CATV module line is SCTE and DOCSIS compliant and digital cable ready to handle the latest 1 GHz cable operator technology.

Specifications and Features

1x1, 1x8, 1x16 CATV Modules

- Meets DOCSIS and SCTE transmission requirements
- Pre-tested by major CATV MSOs
- Automatically adjust output level as all active ports to match incoming signal level (unity gain)
- Durable aluminum die cast housing with white powder coating
- RF-sealed aluminum backplate provides beyond -110 dB RFI shielding measured per SCTE-IPS TP 403A1 Rev 1 test procedures
- F-ports provide up to 16 psi weather sealing
- Robust machine-threaded, gold plated brass F-ports meet SCTE requirements
- 360 degree sizing inserts retain center conductor up to pull-out tension of 200 grams
- Termination caps included for unused ports
- Easily installed into any Leviton Structured Media® Center in a horizontal or vertical direction
- Mounting bracket tilts for easy cable attachment and management
- 12VDC power supply included

3x1 CATV Module

- Digital CATV compatible
- Combines modulated signals from cameras, DVD player, etc., for home or office
- Provides bi-directional signal path to support cable modem or cable box communications
- Easily installs into Leviton's Structured Media enclosures either horizontally or vertically
- Robust machine-threaded, gold-plated brass ports meet SCTE requirements
- F-ports provide up to 15 psi weather sealing
- 360-degree sizing insert retains center conductor up to pullout tension of 200 grams on .032" diameter coax center conductors

PREMIUM CATV MODULES

Description	Cat. No.
1x1 Premium CATV Module	47693-01P
1x8 Premium CATV Module	47693-08P
1x16 Premium CATV Module	47693-16P
3x1 Passive Combiner	47693-31P

1X1 PREMIUM CATV MODULE

Parameter	Bandwidth	Forward Path	Return Path
Band	—	52-1000 MHz	5-42 MHz
Gain (Loss)	—	15 dB	(-0.5 dB)
Flatness	—	±0.75 dB	±1.5 dB
Return Loss – Input	—	22.0 dB	21.0 dB
Return Loss – Output	—	22.0 dB	21.0 dB
Port Isolation – Output	—	25.0 dB	27.0 dB
Group Delay (span 3.58 MHz)	54-60 MHz	15 ns	—
	61-1000 MHz	7 ns	—
Group Delay (span 1 MHz)	5-42 MHz	—	17 ns
	10-40 MHz	—	7 ns
Power to RF Input Isolation	5-1000 MHz	100 dB (min)	—
RFI Isolation	5-1000 MHz	-110 dBc	—
Noise Figure	52-1000 MHz	2.5 dB	—
Distortions	CSO	-65 dBc	—
	CTB	-74 dBc	—
	Xmod	-75 dBc	—

1 Input level at +10 dBmV flat 77 channels & 200 MHz noise for QAM test from 550 to 790 MHz.
Operating Temperature: -40°C to +60 °C.



47693-01P

1X8 PREMIUM CATV MODULE

Parameter	Bandwidth	Forward Path	Return Path
Band	—	52-1000 MHz	5-42 MHz
Gain (Loss)	—	4 dB	(-11.0 dB)
Flatness	—	±1.0 dB	±1.5 dB
Return Loss – Input	—	22.0 dB	21.0 dB
Return Loss – Output	—	20.0 dB	21.0 dB
Port Isolation – Output	—	25.0 dB	25.0 dB
Group Delay (span 3.58 MHz)	54-60 MHz	15 ns	—
	61-1000 MHz	7 ns	—
Group Delay (span 1 MHz)	5-42 MHz	—	17 ns
	10-40 MHz	—	7 ns
Power to RF Input Isolation	5-1000 MHz	100 dB (min)	—
RFI Isolation	5-1000 MHz	-110 dBc	—
Noise Figure	52-1000 MHz	3.0 dB	—
Distortions	CSO	-65 dBc	—
	CTB	-74 dBc	—
	Xmod	-75 dBc	—

2 Input level at +10 dBmV flat 77 channels & 200 MHz noise for QAM test from 550 to 790 MHz.
Operating Temperature: -40°C to +60°C.



47693-08P



47693-16P

1X16 PREMIUM CATV MODULE

Parameter	Bandwidth	Forward Path	Return Path
Band	—	52-1000 MHz	5-42 MHz
Gain (Loss)	—	0 dB	(-14.5 dB)
CM port	—	—	(-6.5 dB)
Flatness	—	±1.5 dB	±2.0 dB
Return Loss - Input	—	22.0 dB	21.0 dB
Return Loss - CM Input	—	20.0 dB	—
Return Loss - Output	—	20.0 dB	21.0 dB
Port Isolation - Output	—	20.0 dB	25.0 dB
Port Isolation - CM port to Output port	—	20.0 dB	—
Group Delay	54-60 MHz	15 ns	—
(span 3.58 MHz)	61-1000 MHz	7 ns	—
Group Delay	5-42 MHz	—	17 ns
(span 1 MHz)	10-40 MHz	—	7 ns
Power to RF Input Isolation	5-1000 MHz	100 dB (min)	
RFI Isolation	5-1000 MHz	-110 dBc	
Noise Figure	52-1000 MHz	3.0 dB	
Distortions	CSO	-65 dBc	
	CTB	-74 dBc	
	Xmod	-75 dBc	

3 Input level at +10 dBmV flat 77 channels & 200 MHz noise for QAM test from 550 to 790 MHz.
Operating Temperature: -40°C to +60°C.



47693-31P

3X1 PREMIUM CATV MODULE

Bandwidth	Insertions Loss	Input to Input	Output	Input Return Loss (Min)
5-15 MHz	5.3 dB	27 dB	24 dB	25 dB
16-40 MHz	5.3 dB	38 dB	32 dB	28 dB
41-550 MHz	5.6 dB	25 dB	22 dB	24 dB
551-1000 MHz	6.1 dB	24 dB	22 dB	23 dB

DIMENSIONS

3.5" (88.9mm) H x 3.5" (88.9mm) W x 3.33" (83.82mm) D	
Impedance	75 Ohm
Connector Type	Gold-plated F-type
Frequency	52-1000 MHz forward path; 0-45 MHz reverse path

Passive Components

Use 4-, 6- and 8-way Passive TV Splitters to split digital cable, quality cable TV and off-air antenna signals to four, six or eight televisions throughout the home. Leviton Passive Components feature die-cast housing and printed circuit board construction. Use with the Video Amplifier for increased signal strength.

Specifications and Features

- Splits TV signals. Outputs for up to four, six or eight televisions
- Provides digital cable, cable TV and other TV services, via coaxial cable, to any room in the house
- Die-cast housing and printed circuit board
- Use with the TV Amplifier for increased signal strength
- Units for 14", 28" and 42" Structured Media® Centers come with mounting bracket
- Gold flashed contacts on 2 GHz units provide lowest conductive resistance

1X4, 1X6, 1X8 PASSIVE VIDEO SPLITTERS

Description	Cat. No.	Range	Dimensions
1x4 Passive TV Splitter Module for SMC 140, 280, 420 (1 GHz)	47690-04C	1 GHz	1.40" (35.6mm) H x 6.58" (166.1mm) W x 2.14" (54.4mm) D
1x4 Passive TV Splitter for Compact Structured Media® Enclosure (1 GHz)	47690-004	1 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 1.66" (42.1mm) D
1x4 Passive TV Splitter Module for SMC 140, 280, 420 (2 GHz)	47690-4C2	2 GHz	1.40" (35.6mm) H x 6.58" (166.1mm) W x 2.14" (54.4mm) D
1x4 Passive TV Splitter for Compact Structured Media Enclosure (2 GHz)	47690-0G4	2 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 1.66" (42.1mm) D
1x6 Passive TV Splitter Module for SMC 140, 280, 420 (1 GHz)	47690-06C	1 GHz	1.40" (35.6mm) H x 6.58" (167.1mm) W x 3.00" (76.2mm) D
1x6 Passive TV Splitter Module for Compact Structured Media Enclosure (1 GHz)	47690-0G6	1 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 2.65" (67.3mm) D
1x6 Passive TV Splitter Module for SMC 140, 280, 420 (2 GHz)	47690-6C2	2 GHz	1.40" (35.6mm) H x 6.58" (167.1mm) W x 3.00" (76.2mm) D
1x6 Passive TV Splitter for Compact Structured Media Enclosure (2 GHz)	47690-0G6	2 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 2.65" (67.3mm) D
1x8 Passive TV Splitter for Compact Structured Media Enclosure (1 GHz)	47690-008	1 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 2.65" (67.3mm) D
1x8 Passive TV Splitter Module for SMC 140, 280, 420 (1 GHz)	47690-08C	1 GHz	1.40" (35.6mm) H x 6.58" (167.1mm) W x 3.00" (76.2mm) D
1x8 Passive TV Splitter Module for SMC 140, 280, 420 (2 GHz)	47690-8C2	2 GHz	1.40" (35.6mm) H x 6.58" (167.1mm) W x 3.00" (76.2mm) D
1x8 Passive TV Splitter for Compact Structured Media Enclosure (2 GHz)	47690-0G8	2 GHz	1.14" (29.0mm) H x 3.36" (85.3mm) W x 2.65" (67.3mm) D



47690-4/47690-6/47690-8

Video Amplifier

Run antenna TV signal through Leviton's 1-way Video Amplifier Module and boost strength up to 25 dB. This Module features a variable attenuator for signal amplification level setting and an FM trap to eliminate unwanted FM interference. This Module is not intended for use with cable TV applications, such as cable modems, cable set top boxes or TVs with built-in cable access cards.

Specifications and Features

- Boosts strength of off-air antenna signal for video distribution
- Boosts signal strength by up to 25 dB



48210-VA

VIDEO AMPLIFIER MODULE

Cat. No.	48210-0VA
Dimensions	6.58" H x 3.67" W x 4.4" D
Frequency Range	50-1000 MHz
Gain Control Range	10-25 dB
FM Trap	25 dB
Impedance	75 Ohm
Connector Type	F-type
Power Source	12 VDC 500 mA

NOTE: Not for use in-line between one satellite dish (LNB) and DBS satellite TV receiver.

Satellite Distribution Components

3x4 Multi-Switch – The Passive Module combines signals from dual incoming LNB digital satellite systems with off-air antenna signals on a single coaxial cable, enabling distribution to up to four TVs. The Module incorporates a separate input for TV antenna signals and is best used in combination with a Video Amplifier.

Specifications and Features

- Distributes digital satellite signals to up to four TVs (47691-3MS)
- Combines signals from digital satellite with off-air antenna onto single coaxial cable
- DSS 75 Ohm and 2.0 GHz Combiner/Diplexer with DC Blocking (40856-DSS) is available to separate antenna and cable signals



47691-3MS

MULTI-SWITCH MODULE

Cat. No.	47691-3MS
Dimensions	4.77" H x 6.58" W x 2.37" D
Frequency	Terrestrial: 40-860 MHz Satellite:950-2150 MHz
Receiver Output	40-2150 MHz
Connectors	F-type, 75 Ohms
LNP Input Selection	LNBA: 13/14 VDC LNBB: 17/18 VDC
Insertion Loss (Typical)	Terrestrial: -7 dB Satellite: -3 dB
Return Loss (Typical)	Terrestrial: -10 dB Satellite: -10 dB
Isolation (Typical)	Output to Opposite Input -22 dB
DC Power Passing	500 mA (max.)
DC Power	—

Camera Systems

The Leviton Indoor/Outdoor Color Camera Monitoring System brings homeowners a high level of family security and safety that simply can't be matched by non-video sensors. Color video output runs through a Leviton Structured Media® Center and connects to any TV or video monitor in the home. Parents can keep a close watch on children and can see who is ringing the doorbell after dark. Cameras install quickly and easily with a single Cat 5, Cat 5e or Cat 6 cable run and two screws mounted to a mud ring (Indoor Camera) or outdoor box (Outdoor Camera).



Leviton Camera Monitoring System

For sophisticated monitoring, Leviton offers high resolution, color video cameras. These easy to install cameras only require one Category 5e cable for video and power connections. The cameras mount with just two screws on a low voltage ring for an Indoor Camera or outdoor electrical box for an Outdoor Camera. A Camera Hub in the Structured Media® Center powers the cameras and separates out the video signals to other video equipment at the SMC. The Hub installs in a single Leviton bracket space in the SMC. Standard 110 IDC terminations and 8P8C jacks make the UTP cable connections quick, simple and reliable. The Indoor Camera fits in a Decora style wallplate and comes with clear and tinted lens covers. The Outdoor Camera provides video even in the dark using built in automatic IR illumination.



VSIND-0SC



VSOUT-00W

HIGH RESOLUTION INDOOR/OUTDOOR CAMERAS

	Indoor Camera	Outdoor Camera
Cat. No.	**VSIND-0SC**	**VSOUT-00W**
Standard	NTSC	NTSC
Image Sensor	1/3" Color Sony CCD	1/3" Color Sony CCD
Pixel Count	510 x 492	510 x 492
H. Sync. Frequency	15.734 KHz	15.734 KHz
V. Sync. Frequency	59.94 Hz	55.94 Hz
Synchronization System	Internal	Internal
Horizontal Resolution	420 Lines	420 Lines
Electronic Shutter	Auto: 1/60 - 1/100,000 sec	Auto: 1/60 - 1/100,000 sec
Gain Control	Automatic	Automatic
Gamma Correction	0.45	0.45
S/N Ratio	More than 48 dB (AGC off)	More than 48 dB (AGC off)
Video Output	1.0 V pp75 Ohms (composite Video)	1.0 V pp75 Ohms (composite Video)
Minimum Illumination	0.05 Lux	0 Lux
Lens	3.6 mm	4.3 mm
Operating Temperature Range	-10° C to +45° C (14° F to +113° F)	-10° C to +45° C (14° F to +113° F)
Storage Temperature Range	-30° C to +60° C (-22° F to +140° F)	-30° C to +60° C (-22° F to +140° F)
Power Requirement	15VDC (+/- 10%)	15VDC (+/- 10%)
Power Consumption	100 mA (+/- 10%)	220 mA (+/- 10%)
Dimensions	3.1" (78.6mm) H x 1.71" (43.4mm) W x 2.33" (59.2mm) D	6.57" (166.6mm) H x 2.75" (69.8mm) W x 3.02" (76.7mm) D
Weight	2.93 oz. (83 g)	15.3 oz. (434 g)

CAMERA HUB

	Camera Hub	Camera Hub with IDC
Cat. No.	**VSHUB-000**	**VSHUB-IDC**
Camera Inputs	RJ45 Jack, 4 each	4-Pair 110-type IDC punchdowns
Camera Outputs	Composite Video, 4 each	Composite Video, 4 each
Operating Temperature Range	0° C to + 60° C (32° F to +60° F)	0° C to + 60° C (32° F to +60° F)
Storage Temperature Range	-10° C to +60° C (14° F to 140° F)	-10° C to +60° C (14° F to 140° F)
Humidity	Non-condensing 5% to 95%	Non-condensing 5% to 95%
Input Power Connection	Center positive 2.1 mm jack	Center positive 2.1 mm jack
Input Voltage	12VDC (+/- 10%)	12VDC (+/- 10%)
Input Current	1.5A (max)	1.5A (max)
Output Voltage to Cameras	15VDC (+/- 10%)	15VDC (+/- 10%)
Output Current (max)	1.2A supports 4 outdoor cameras operating at night (0 Lux)	1.2A supports 4 outdoor cameras operating at night (0 Lux)
Plug-in Power Supply		
Input Voltage	120VAC (+/- 15%)	120VAC (+/- 15%)
Output Voltage	12VDC (+/- 5%)	12VDC (+/- 5%)
Output Current	1500 mA (min)	1500 mA (min)
Power Consumption (max)	18 Watts (max)	18 Watts (max)
Dimensions	5.75" (146.1mm) H x 1.75" (44.4mm) W x 0.86" (21.8mm) D	5.75" (146.1mm) H x 1.75" (44.4mm) W x 0.86" (21.8mm) D
Weight	3.25 oz (92 g)	3.25 oz (92 g)



VSHUB-000



VSHUB-IDC

Media Center Modulator

Leviton's Media Center Modulator gives your whole house security on one channel when CATV channel spacing will allow it. The Modulator takes the signal from a security camera or, if you are using the Video Sequencer, multiple cameras, and modulates the signal to one unused cable TV channel. This signal is then combined with the CATV signal, which can be sent to TV sets anywhere in the home. Select the broadcast channel to be programmed via dip-switch button programming. The Modulator provides 0, 10, 20 or 30 dBmV RF output.

NOTE: Modulator broadcasts mono audio only. In a Structured Media® System, the Modulator must be used with a Leviton Notch Filter (PN 47690-NFA) to clear the target cable channel and avoid interference when used with Structured Media Video Distribution Modules.



48213-VMA

MEDIA CENTER MODULATOR

Cat. No.	48213-VMA
Dimensions:	3.34" (84.8mm) H x 3.59" (91.2mm) W x 0.98" (24.9mm) D
Inputs	RCA video, RCA audio inputs
Outputs	1 F-connector for RF signal
Operational Channels	14-69 UHF; 70-94, 100-125 CATV, settable via dip switches
Bandwidth	50 MHz-860 MHz
Power	12VDC 400 mA

Video Sequencer

Leviton engineered the Video Sequencer for reliable, long lasting performance. The Sequencer automatically switches between up to four cameras with composite video signals. With a variable time interval setting that ranges from 1-30 seconds, you can sequentially monitor each camera for thorough surveillance of your home's perimeter or interior. The Video Sequencer has four composite RCA audio/video inputs and two sets of RCA outputs to connect with a monitor or modulator. It snaps into a 28" or 42" Structured Media Center.



48213-CVS

VIDEO SEQUENCER

Cat. No.	48213-CVS
Dimensions	6.60" (167.7mm) H x 7.80" (198.1mm) W x 2.01" (51.1mm) D
Inputs	Four RCA video, eight RCA left/right audio
Outputs	Two RCA video, four RCA left/right audio
Time Interval	1-30 seconds, variable/adjustable
Signal to Noise Ratio	<1.2 dB
Bandwidth	5 MHz
Power	12VDC, 300 mA

RF Notch Filter

The RF Notch Filter is an essential element of Home Security Monitoring when using the Indoor/Outdoor B&W Camera or the Media Center Modulator. It blocks incoming cable TV channels 75-80, allowing the Media Center Modulator or Component Modulator to broadcast without interference an in house security or entertainment channel over the coaxial cable system. The Notch Filter simply couples to the coaxial cable TV input on either a splitter or an active video distribution device. Once installed, it filters out six cable channels to make room for home security or entertainment video. It also blocks outgoing signals, such as cameras, from being broadcast outside the home.



47690-NFA

RF NOTCH FILTER

Cat. No.	47690-NFA
Dimensions	3.59" (91.2mm) L x 0.81" (20.6mm) W
Type	Passive RF filter
Bandwidth	CATV channels 75-80
Input	Female F-connector
Output	Male F-connector

Video and Audio Intercom Systems

Leviton brings the home intercom into the 21st Century with an innovative system. The Ophera Video Entry System offers an excellent access solution for MDU and custom residential projects.



The Ophera Video Entry System integrates high-quality color video and audio components in a stylish combination intended to complement any décor.

Specifications and Features

Ophera Video Entry System

- Door release capable with re-lock delay
- Up to four entry stations and 100 apartments/suites per system
- 2,133 ft. maximum cable length per system
- Analog system uses CAT 5e and 18-2 twisted AWG cabling
- Choose single button or digital keypad entry panels

Ophera Hands-Free Receiver

- 3.5" color monitor on receiver
- Adjustable display tilts 20-degrees
- Mute, privacy and control buttons
- Call waiting notification
- Receiver includes three color inserts: white, arctic blue, orange
- Audio intercom function for up to eight receivers per apartment or suite

Entry Station

- Weather resistant video entry stations
- Integrated low-light color video camera with adjustable angle view
- LED backlit buttons
- LCD display on keypad model



BR200-00W



BT102-01G



BT200-DPG

OPHERA VIDEO ENTRY SYSTEM

Description	Cat. No.
Ophera Hands-Free Color Receiver (three inserts: white, arctic blue, orange)	BR200-00W
1-Button Color Video Entry Panel, X1 system, grey	BT102-01G
Digital Entry Panel with name directory, grey	BT200-DPG
Mounting Box for Ophera	BR300-BOX
Surface mount wall support for Ophera, white	BR300-SMK
Single Push Button Kit	BT600-HPS
Interface module for digital entry panel	BT500-HAC
Plastic embedding box	BT700-HTI
Plastic embedding box with frame, grey	BT700-HTG
Metal Surface Box w/Rain Cover	BT700-HBT
Control unit and power supply, 120-127V, 60Hz, (12 DIN)	BC100-0VA
Power Supply, 120-127V, 60Hz, 17.5VDC, 1.7A (8 DIN)	BC100-VAS
Video distribution module, 4 output	BC200-4VD
Amplified video distribution module, 4 output	BC200-AVD
Intercom selector, system X1/300	BC300-VSE
Line repeater, 120-127V, 60Hz (12-DIN)	BC100-XAS
Video Amplifier	BC200-AMP

Audio Intercom System for Structured Media® Applications

Specifications and Features

- Integrates with phone system
- Operates over standard Cat 5 wiring
- Main controller board installs easily into Leviton Structured Media Centers
- System integrates with other services in Structured Media Centers (phones, door strike, lighting controls, doorbell, dry contact security devices, and Indoor and Outdoor Stations)
- Onboard firmware for music-on-hold
- Answering machine function for message and message taking for intercom activations
- Allows call on-hold for hang-up at one location and pick-up at another
- Allows whole-house paging, including phone-to-phone paging
- Allows station queuing so multiple, simultaneous activations can be responded to automatically in sequence
- Integrated dry contacts provide security alert by motion, pressure and gate sensors, etc.
- Provides for remote monitoring of zones for added security
- Full duplex communication



47000-MKB

AUDIO INTERCOM SYSTEM FOR STRUCTURED MEDIA® APPLICATIONS

Description	Cat. No.
Intercom Kit (includes Main Controller Board and one interface board on a bracket with one outdoor station with warm silver faceplate	47000-MKB
Outdoor Station (Brushed nickel finish)	47000-0D1
Indoor Station (White)	47000-0W1
Indoor Station (Black)	47000-0E1
Door Strike Module	47000-STR

Description	Cat. No.
Interface Board with four additional ports	47000-PRT
Door Chime Module	47000-CHM
Satin Cover and Button Color Change Kit – Warm Silver	47000-CWS
Satin Cover and Button Color Change Kit – Soft Gold	47000-CSG
Satin Cover and Button Color Change Kit – Sterling Blush	47000-CSB



47000-CWS/CSG/CSB

Specifications

Controller Power Input (Power supply included)	24VDC
Current Consumption	250 mA
Power Indicator	Green LED
Ringer Equivalency Number (REN)	4.6
Cabling	Cat 5 UTP 4-pair solid conductor 24 AWG 100 ohm, 100 MHz
Wiring Standard	T568A via solid conductor 8P8C modular plug and 110-style IDC



47000-STR/PRT/CHM

QuickPlate™ Wallplates And Connectors

An all-in-one connectivity solution, Leviton QuickPlate Wallplates distribute data, phone and TV connections through a preassembled one-piece design offered in standard and midway sizes and in four colors: ivory, white, almond and light almond. Rear facing IDC punchdowns and consistent positioning of jack and F-connectors reduce ordering problems, eliminate onsite assembly, improve the overall décor, and provide the quickest installation available.

Specifications and Features

- All QuickPlates have a pleasing matte finish
- Robust one-piece wallplate and lead-frame jack design
- Rear facing 110 IDC punchdown for voice and data jacks make termination quick and easy
- Data port accepts Cat 5e with T568A wiring
- Phone port accepts UTP with USOC wiring
- F-connector for video applications is an F-81 style bulkhead connector
- Includes captive screws painted to match wallplate color
- Limited Two-Year Warranty

QUICKPLATE™ WALLPLATES AND CONNECTORS

Description	Cat. No. Standard Size	Cat. No. Midway Size	*Color
1 Data	5EA20-S1*	5EA20-M1*	W, I, A, T
1 Data, 1-F	5EA20-S2*	5EA20-M2*	W, I, A, T
1 Data, 1 Phone, 1-F	5EA20-S3*	5EA20-M3*	W, I, A, T
2 Data, 2-F	5EA20-S4*	5EA20-M4*	W, I, A, T
Dimensions	4.61" (117.1mm) H x 2.75" (69.9mm) W x 0.26" (6.5mm) D	4.99" (126.7mm) H x 3.13" (79.4mm) W x 0.26" (6.5mm) D	



5EA20-S1W

TESTING AND CODE COMPLIANCE

- Meets all applicable standards
- Category 5e Connectors meets or exceeds applicable standards and is labeled for T568A wiring
- Complies with applicable FCC Part 68 requirements
- Supports high megabit and shared-sheath applications
- F-type bulkhead connectors meets or exceeds 10db of return loss at 1 GHz

MATERIAL CHARACTERISTICS

Wallplate: ABS plastic

*COLOR

Basic Cat. No. shown above denote standard and midway size QuickPlates. To specify colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Almond (-A), Light Almond (T)

QuickPort® Flush Mount Wallplates

Offering field configurability in an attractive single piece housing, flush mount wallplates include color matched mounting screws.



41080-6WP



41080-3WP

QUICKPORT FLUSH MOUNT WALLPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Lt. Almond
6-Port Flush Mount Individual polybag pack, standard carton	41080-6WP	41080-6IP	41080-6TP
4-Port Flush Mount Individual polybag pack, standard carton	41080-4WP	41080-4IP	41080-4TP
3-Port Flush Mount Individual polybag pack, standard carton	41080-3WP	41080-3IP	41080-3TP
2-Port Flush Mount, individual polybag pack, standard carton	41080-2WP	41080-2IP	41080-2TP
1-Port Flush Mount, individual polybag pack, standard carton	41080-1WP	41080-1IP	41080-1TP

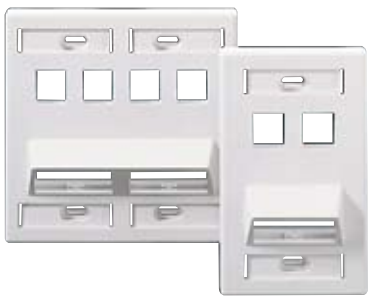
Also available: Midway size plates and high impact nylon. Call Leviton Customer Service at 1-800-722-2082.

QuickPort Angled Wallplates

Available in single-gang 4-port and dual-gang 8-port versions, these wallplates have ports angled to relieve stress on equipment cords. The bottom opening can be used as a duplex port by inserting the supplied divider and installing two QuickPort Snap-In modules. Mounting screws are included.

QUICKPORT ANGLED WALLPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond
4-Port Wallplate	41081-4WP	41081-4IP	—	41081-4TP
2-Port Wallplate	41081-2WP	41081-2IP	—	41081-2TP
4-Port Wallplate w/ID window	42081-4WS	42081-4IS	—	42081-4TS
2-Port Wallplate w/ID window	42081-2WS	42081-2IS	—	42081-2TS
4-Port w/two angled ports, individual polybag pack, standard carton	40807-0BW	40807-0BI	—	—
4-Port w/two angled ports, w/ID window, carded pack, standard carton	40807-00W	40807-00I	40807-00A	—
Angled 8-Port w/four angled ports, individual polybag pack, standard carton w/ID window	40807-B2W	40807-B2I	—	—



40807-0BW/40807-B2W



41081-2WP

42081-4WS

QuickPort® Multimedia Wallplate Inserts

You can have it all — voice, data, audio and video — through a single wallplate when you combine Decora® multimedia inserts with QuickPort Snap-In modules and Decora wallplates. Mix and match the snap-in modules in combinations of two, three, four or six. Decora inserts are compatible with the full line of standard Decora wallplates, Decora Plus™ snap-on wallplates with hidden mounting screws and Leviton sectional wallplates (all sold separately). The inserts fit standard NEMA wallboxes.

QUICKPORT MULTIMEDIA WALLPLATE INSERTS

Description	Cat. No. White	Cat. No. Lt. Almond	Cat. No. Almond	Cat. No. Ivory
1-Port Insert, polybag standard carton	41641-00W	41641-00T	41641-00A	41641-00I
2-Port Insert, polybag standard carton	41642-00W	41642-00T	41642-00A	41642-00I
3-Port Insert, polybag standard carton	41643-00W	41643-00T	41643-00A	41643-00I
4-Port Insert, polybag standard carton	41644-00W	41644-00T	41644-00A	41644-00I
6-Port Insert, polybag standard carton	41646-00W	41646-00T	41646-00A	41646-00I
HDMI Decora insert, feedthrough	41647-00W	—	—	41647-00I
DVI feedthrough, Decora style	41648-00W	—	—	41648-00I

Decora® is a registered trademark of Leviton Manufacturing Co., Inc.



41643-00W



41647-00W



41641-00W

Related Products — Decora Wallplates
Decora inserts are compatible with the full line of Decora standard wallplates.
See page 711 for more information.

QuickPort Shutters

These field-installable shutters protect connectors with a one-piece hinged door that keeps out dust and contaminants. They work in any QuickPort housing and fit USOC 8-position, Category 3, Category 5, Category 5e and Category 6 connectors.

QUICKPORT SHUTTERS AND ACCESSORIES

Description	Cat. No.
QuickPort Shutter Kit w/Leviton logo and miscellaneous icons	51084-ICN
Accessory Kit w/pre-printed icons on white paper	51084-XLB
Color Label Kit w/pre-printed icons on colored paper (Color Label Kit includes: Brown, Green, Orange, Red, Blue, Grey, Purple)	51084-CLB



51084-ICN

Related Products — Network Infrastructure Solutions
Leviton also offers a wide range of Network Infrastructure Solutions for your projects.
See page 311 for more information.

Residential Grade

HOME 5e™ and HOME 6™

Leviton extends our popular QuickPort® products with affordable new residential connectors and patch cables. The Home 5e and Home 6 products represent innovation as a major effort to deliver to low-voltage residential installers high quality residential network products designed specifically for applications inside the home.

Specifications and Features

HOME 5e QuickPort / 5e Tool Free Quickport Connectors

- CAT 5e
- Tool-free design eliminates the need for punch down tools
- T568A wiring
- Category 5e performance supports high-speed data applications

HOME 6 QuickPort / 6 Tool Free Quickport Connectors

- CAT 6
- Tool-free design eliminates the need for punch down tools
- T568A wiring
- Category 6 performance supports high-speed data applications

HOME 5e Ultra High-Flex Patch Cables

- CAT 5e
- Tight bend radius allows for faster and cleaner installation
- Available in 6 inch, 1 ft., 2 ft., 3 ft. and 4 ft. lengths
- Power over Ethernet (PoE) compatible
- Accommodates use in high density switches, routers and other electronics
- Category 5e performance supports high-speed data applications

HOME 6 Ultra High-Flex Patch Cables

- CAT 6
- Tight bend radius allows for faster and cleaner installation
- Available in 6 inch, 1 ft., 2 ft., 3 ft. and 4 ft. lengths
- Power over Ethernet (PoE) compatible
- Accommodates use in high density switches, routers and other electronics
- Category 6 performance supports high-speed data applications

HOME 5e Patch Cables

- CAT 5e
- Available in 6 inch, 1 ft., 2 ft., 3 ft. and 4 ft. lengths
- Power over Ethernet (PoE) compatible
- Accommodates use in high density switches, routers and other electronics
- Category 5e performance supports high-speed data applications

HOME 6 Patch Cables

- CAT 6
- Available in 6 inch, 1 ft., 2 ft., 3 ft. and 4 ft. lengths
- Power over Ethernet (PoE) compatible
- Accommodates use in high density switches, routers and other electronics
- Category 6 performance supports high-speed data applications

HOME 5e™ QUICKPORT® CONNECTORS

Cat. No.	Color
5EHOM-RW5	White
5EHOM-RI5	Ivory
5EHOM-RT5	Light Almond
5EHOM-RG5	Grey
5EHOM-RE5	Black
5EHOM-RB5	Brown
5EHOM-RL5	Blue



5EHOM-RW5

HOME 5e TOOL-FREE QUICKPORT CONNECTORS

Cat. No.	Color
5ETLS-RW5	White
5ETLS-RI5	Ivory
5ETLS-RT5	Light Almond
5ETLS-RG5	Grey
5ETLS-RE5	Black
5ETLS-RB5	Brown
5ETLS-RL5	Blue



5ETLS-RW5

HOME 6™ QUICKPORT CONNECTORS

Cat. No.	Color
61HOM-RW6	White
61HOM-RI6	Ivory
61HOM-RT6	Light Almond
61HOM-RG6	Grey
61HOM-RE6	Black
61HOM-RB6	Brown
61HOM-RL6	Blue



61HOM-RW6
Front and Back

HOME 6 TOOL-FREE QUICKPORT CONNECTORS

Cat. No.	Color
61TLS-RW6	White
61TLS-RI6	Ivory
61TLS-RT6	Light Almond
61TLS-RG6	Grey
61TLS-RE6	Black
61TLS-RB6	Brown
61TLS-RL6	Blue



61TLS-RW6
Front and Back



5LHOM-01L

HOME 5e™ PATCH CABLES

Description	Cat. No. White	Cat No. Red	Cat. No. Blue	Cat. No. Yellow
1 Foot	5LHOM-01W	5LHOM-01R	5LHOM-01L	5LHOM-01Y
2 Feet	5LHOM-02W	5LHOM-02R	5LHOM-02L	5LHOM-02Y
3 Feet	5LHOM-03W	5LHOM-03R	5LHOM-03L	5LHOM-03Y
4 Feet	5LHOM-04W	5LHOM-04R	5LHOM-04L	5LHOM-04Y
6 inch	5LHOM-6IW	5LHOM-6IR	5LHOM-6IL	5LHOM-6IY



5HHOM-01W

HOME 5e ULTRA HIGH-FLEX PATCH CABLES

Description	Cat. No. White	Cat No. Red	Cat. No. Blue	Cat. No. Yellow
1 Foot	5HHOM-01W	5HHOM-01R	5HHOM-01L	5HHOM-01Y
2 Feet	5HHOM-02W	5HHOM-02R	5HHOM-02L	5HHOM-02Y
3 Feet	5HHOM-03W	5HHOM-03R	5HHOM-03L	5HHOM-03Y
4 Feet	5HHOM-04W	5HHOM-04R	5HHOM-04L	5HHOM-04Y
6 inch	5HHOM-6IW	5HHOM-6IR	5HHOM-6IL	5HHOM-6IY



6LHOM-01L

HOME 6™ PATCH CABLES

Description	Cat. No. White	Cat No. Red	Cat. No. Blue	Cat. No. Yellow
1 Foot	6LHOM-01W	6LHOM-01R	6LHOM-01L	6LHOM-01Y
2 Feet	6LHOM-02W	6LHOM-02R	6LHOM-02L	6LHOM-02Y
3 Feet	6LHOM-03W	6LHOM-03R	6LHOM-03L	6LHOM-03Y
4 Feet	6LHOM-04W	6LHOM-04R	6LHOM-04L	6LHOM-04Y
6 inch	6LHOM-6IW	6LHOM-6IR	6LHOM-6IL	6LHOM-6IY



6HHOM-01W

HOME 6 ULTRA HIGH-FLEX PATCH CABLES

Description	Cat. No. White	Cat No. Red	Cat. No. Blue	Cat. No. Yellow
1 Foot	6HHOM-01W	6HHOM-01R	6HHOM-01L	6HHOM-01Y
2 Feet	6HHOM-02W	6HHOM-02R	6HHOM-02L	6HHOM-02Y
3 Feet	6HHOM-03W	6HHOM-03R	6HHOM-03L	6HHOM-03Y
4 Feet	6HHOM-04W	6HHOM-04R	6HHOM-04L	6HHOM-04Y
6 inch	6HHOM-6IW	6HHOM-6IR	6HHOM-6IL	6HHOM-6IY



40812-RTK

TOOLS

Callout	Description	Cat. No.
A	Residential Tool Kit Includes: Punchdown Tool wih110 Blade, EZ-RJ45 Crimp Tool, 2 Level Coaxial Cable Strippers, UTP Stripping Tool, Coax and Round Wire Cable Cutter, EZ-RJ45 Connectors, Screwdriver	40812-RTK
B	Wire Punchdown/Termination Tool (Blades sold separately)	49553-814
C	Wire Punchdown/Termination Tool Blades	47603-110
D	UTP Stripping Tool	49660-00P
E	Coaxial Stripping Tool	C5914-000
F	EZ-RJ45™ Crimp Tool	40989-RCT

ACCESSORIES

Callout	Description	Cat. No.
A	EZRJ45 Connector (50 Per Pack)	47613-EZC
	EZRJ45 Connector Display Pack (10 Per Pack)	47613-EZR
B	Push-Lock Pins for Structured Media® Centers (20 Per Pack)	47615-NYL
C	4X4 Telephone Line Breakout Module	47609-4X4
D	Recloseable Tie-Wrap, 5" Length (25 Per pack)	43105-005
E	Recloseable Tie-Wrap, 8" Length (25 Per Pack)	43108-008
F	Recloseable Tie-Wrap, 12" Length (25 Per Pack)	43112-012

In-Wall/In-Ceiling Speakers

Many of the same features from professional studio technologies are built-into selected models in the Leviton Architectural Edition™ powered by JBL® series. Whatever the application, when the specs call for JBL In-Wall and In-Ceiling Speakers, the performance is guaranteed to bring a new meaning to the phrase "home entertainment."

Specifications and Features

- JBL Titanium-laminate drivers for maintaining musical accuracy and clarity even at frequency extremes
- Straight-line Signal Path™ (SSP™) crossover network for minimal signal distortion
- Elliptical Oblate Spheroidal™ (EOS™) Waveguides for improved high frequency dispersion throughout the listening area
- Titanium-laminate drivers for the ultimate in musical accuracy and clarity
- HeatScape™ magnetic structures for greater bass impact and realism
- Long-excursion woofers with butyl-rubber half-round surrounds and extended pole-piece magnetic structures for maximum bass impact and dynamic range
- Low-diffraction, swivel-tweeter mounting system for optimum stereo imaging
- Heavy-duty push-type input terminals for long-term connection integrity
- Integrated dog-ear mounting brackets (optional rough-in kits available for pre-construction installation in new homes)
- Acoustically-transparent paintable baffles and grilles



AE165-000



AE180-000

LEVITON ARCHITECTURAL EDITION POWERED BY JBL IN-WALL SPEAKERS

	AEI65 6.5" (170 mm) Two-Way In-Wall Loudspeaker	AEI80 8" (200 mm) Two-Way In-Wall Loudspeaker
Cat. No.	**AEI65-000**	**AEI80-000**
Driver complement	1" (25 mm) Titanium-laminate dome tweeter; 6.5" (170 mm) Titanium-laminate woofer	1" (25 mm) Titanium-laminate dome tweeter; 8" (200 mm) Titanium-laminate woofer
Frequency Response (-10dB)	38 Hz-20 kHz	30 Hz-20 kHz
Sensitivity (2.83V/1m)	88 dB	89 dB
Power Handling	80 Watts	100 Watts
Impedance	Nominal 8 Ohms	Nominal 8 Ohms
Height	11" (279 mm)	13.12" (333 mm)
Width	8.5" (226 mm)	10.12" (257 mm)
Depth	3.87" (98 mm)	4" (102 mm)
Mounting Cutout size	7.13" x 9.69" (181.1mm x 246.1 mm)	8.88" x 11.81" (225.55 mm x 299.97 mm)
Weight	5 lb/2.3 kg per speaker	7.8 lb/3.5 kg per speaker
	Sold in pairs	Sold in pairs

LEVITON ARCHITECTURAL EDITION POWERED BY JBL® IN-CEILING SPEAKERS

	AEC65 6.5" (170 mm) Two-Way In-Ceiling Loudspeaker	AEC80 8" (200 mm) Two-Way In-Ceiling Loudspeaker	AEM65 6.5" (170 mm) Two-Channel/Single Location Two-Way In-Ceiling Loudspeaker
Cat. No.	**AEC65-000**	**AEC80-000**	**AEM65-000**
Driver complement	1" (25 mm) Titanium-laminate dome tweeter: 6.5" (170 mm) Titanium-laminate woofer	1" (25 mm) Titanium-laminate dome tweeter; 8" (200 mm) Titanium-laminate woofer	Dual .75" (19 mm) Titanium-laminate dome tweeters; One 6.5" (170 mm) Dual voice-coil Titanium-laminate woofer
Frequency Response (-10dB)	40 Hz-20 kHz	32 Hz-20 kHz	40 Hz-20 kHz
Sensitivity (2.83V/1m)	88 dB	89 dB	88 dB with both channels driven
Power Handling	80 Watts	100 Watts	100 Watts total (50 Watts/channel)
Impedance	Nominal 8 Ohms	Nominal 8 Ohms	Nominal 8 Ohms
Diameter	9.18" (233 mm)	10.87" (275 mm)	9.18" (233 mm)
Depth	4.25" (108 mm)	4.25" (108 mm)	4.25" (108 mm)
Mounting Cutout size	7.88" (200.15 mm) Diameter	9.50" (240mm) Diameter	7.88" (200.15 mm) Diameter
Weight	4.5 lb/2.0 kg per speaker	5.6 lb/2.5. kg per speaker	4 lb/1.8 kg per speaker
	Sold in pairs	Sold in pairs	Sold one each



AEC65-000



AEC80-000



AEM65-000

Pre-construction Kits

Leviton/JBL pre-construction kits ensure that speaker locations and wiring are preserved and protected during construction, allowing for a cleaner, faster and more precise installation during the trim-out stage.

PRE-CONSTRUCTION KITS FOR CEILING AND IN-WALL SPEAKERS

Description	Cat. No.
Leviton Architectural Edition powered by JBL In-Wall Center Shelf Pre-Construction kit (for use with AEI55)	AEPIS-KIT
Leviton Architectural Edition powered by JBL 6.5" Pre-Construction Speaker Kit for In-Wall Speaker	AEPI6-KIT
Leviton Architectural Edition powered by JBL 8" Pre-Construction Speaker Kit for In-Wall Speaker	AEPI8-KIT
Leviton Architectural Edition powered by JBL 6.5" Pre-Construction kit for In-Ceiling Speaker	PCC55-KIT
Leviton Architectural Edition powered by JBL 8" Pre-Construction Speaker kit for In-Ceiling Speaker	AEPC8-KIT
Fire-Rated Back Box for 6.5" Speakers	AEBC6-000



AEBC6-000

Outdoor/All-Weather Speakers

Because outdoor music is more important than ever, the Leviton Architectural Edition™ powered by the JBL® line offers two outdoor/utility speaker solutions. Each is based on a professional counterpart and engineered to withstand long-term exposure to the elements while delivering full performance. Both bring a high-end listening experience to a deck, patio or poolside—wherever people expect to relax and entertain with comfort and style outside their home.

Specifications and Features

- Elliptical Oblate Sphereoidal™ (EOS™) Waveguide technology for improved high-frequency dispersion
- Titanium-laminate (AEN24) or pure titanium (AES36) tweeter for maintaining musical accuracy and clarity even at frequency extremes
- WeatherPlas™ (polymer-coated cellulose fiber cone) woofers with rubber surround, high-temperature/oversized Kapton® voice coils, and HeatScape™ motor structures
- Straight-line Signal Path™ (SSP™) crossover networks for minimal signal distortion
- 5-way binding post input terminals for long-term connection integrity
- Mounting brackets (AEN24) and/or special mounting hardware (AES36) included
- Sold in pairs



AEN24-000



AES36-000

LEVITON ARCHITECTURAL EDITION POWERED BY JBL OUTDOOR SPEAKERS

	AEN24 Outdoor/All-Weather Two-Way Loudspeaker	AES36 Outdoor/All-Weather Three-Way Loudspeaker
Cat. No.	**AEN24-000**	**AES36-000**
Driver complement	.75" (19 mm) Titanium-laminate dome tweeter, 4" (100 mm) WeatherPlas (polymer-coated cellulose fiber cone) woofer with rubber surround, high-temperature/oversized Kapton voice coil, and HeatScape motor structure	1" (25 mm) Pure Titanium shielded dome tweeter, 4" (100 mm) WeatherPlas shielded midrange with Linear Field Proximity (LFP) bezel, 6" (150 mm) WeatherPlas (polymer-coated cellulose fiber cone) shielded woofer with rubber surround, high-temperature/oversized Kapton voice coil, Symmetrical Field Geometry (SFG™) magnet design and cast aluminum basket
Frequency Response (-3dB):	75 Hz-20 kHz	60 Hz-20 kHz
Sensitivity (2.83V/1m)	86 dB	90 dB
Power Handling	100 Watts	150 Watts
Impedance	Nominal 8 Ohms	Nominal 8 Ohms
Height	9.5" (241 mm)	10.25" (260 mm)
Width	6.25" (159 mm)	14.62" (371 mm)
Depth	4.75" (121 mm)	5" (127 mm)
Weight	4.5 lb/2.1 kg per speaker	11 lb/5 kg per speaker
	Sold in pairs	Sold in pairs

JBL and Harman/Kardon are registered trademarks of Harman International Industries, Incorporated.
All other trademarks are the property of their respective owners.

Spec-Grade™ Speakers

Specifications and Features

- Kevlar® composite woofer provides the perfect linear movement needed to reproduce dynamic, tight bass and incisive midrange frequencies
- AeroNylon tweeter diaphragm for very low mass and high tensile strength to provide crystal-clear treble response and exceptionally accurate tracking of even the most challenging musical transients
- Built-in AutoSurge™ circuit protection helps prevent speaker damage
- Advanced phase/time alignment guide properly aligns sound without mis-aligning the tweeters
- Precision dividing network ensures total audio signal electronic integrity up to the last microsecond before the signal is converted into sound
- Inert mounting frame with "dogleg" installation points eliminates any transmitted vibrations that could color in-wall or ceiling sound quality



SGC65-00W



SGI65-00W



SGI80-00W



SGO99-00W

LEVITON SPEC-GRADE SOUND INDOOR AND OUTDOOR SPEAKERS

	6.5" Two-Way In-Ceiling Loudspeaker	6.5" Two-Way In-Wall Loudspeaker	8" Two-Way In-Wall Loudspeaker	Outdoor/Utility Two-Way Loudspeaker
Cat. No.	**SGC65-00W**	**SGI65-00W**	**SGI80-00W**	**SGO99-00W**
Color	White (-W)	White (-W)	White (-W)	White (-W)
Driver complement	6.5" Kevlar composite cone low-frequency transducer, 1" AeroNylon high-frequency transducer, 2-way precision high-order crossover network with AutoSurge circuit balanced geometry protection	6.5" Kevlar composite cone low-frequency transducer, 1" AeroNylon dome high-frequency transducer with phase/time alignment guide, 2-way precision high-order crossover network with AutoSurge circuit protection	8" Kevlar composite cone low-frequency transducer, 5" AeroNylon dome high-frequency transducer with phase/time alignment guide, 2-way precision high-order crossover network with AutoSurge circuit protection	5.25" Silicate-fiber cone low-frequency transducer with butyl rubber surround, 5" Polydome high-frequency transducer, 2-way balanced precision crossover network with AutoSurge circuit protection, element-resistant polypropylene enclosure, gold-plated binding terminals, and aluminum mounting bracket (with stainless-steel hardware)

Continued On Next Page ›

Continued From Previous Page >

	6.5" Two-Way In-Ceiling Loudspeaker	6.5" Two-Way In-Wall Loudspeaker	8" Two-Way In-Wall Loudspeaker	Outdoor/Utility Two-Way Loudspeaker
Cat. No.	**SGC65-00W**	**SGI65-00W**	**SGI80-00W**	**SGO99-00W**
Frequency Response	50-20kHz +/- 3dB	50-20kHz +/- 3dB	44-20kHz +/- 3dB	50-20kHz +/- 3dB
Sensitivity	87.0 dB SPL @ 1 Watt/1 Meter	88.0 dB SPL @ 1 Watt/1 Meter	86.5 dB SPL @ 1 Watt/1 Meter	87 dB SPL @ 1 Watt/1 Meter
Power Handling	120W peak/60W RMS	120W peak/60W RMS	160W peak/80W RMS	120W peak/60W RMS
Impedance	Nominal 8 Ohms/ Minimum 6 Ohms	Nominal 8 Ohms/ Minimum 6 Ohms	8 Ohms/ Minimum 6 Ohms	Nominal 8 Ohms/ Minimum 6 Ohms
Diameter	9.02" (229.2 mm)	–	–	–
Height	–	12.30" (312.4 mm)	14.20" (360.7 mm)	8.5 " (215.9 mm)
Width	–	9.00" (228.6 mm)	10.25" (260.4 mm)	6.79" (172.4 mm)
Depth	3.25" (82.5 mm to rear of baffle)	3.20" (81.2 mm D to rear of baffle)	3.52" (89.4 mm D to rear of baffle)	6.03" (153.2 mm) D (without bracket)

PRE-CONSTRUCTION KITS FOR LEVITON SPEC-GRADE SPEAKERS

Description	Cat. No.
Rough-In Bracket for 6.5" In-Wall Loudspeaker	PCI65-KIT
Rough-In Bracket for 8" In-Wall Loudspeaker	PCI80-KIT
Leviton Architectural Edition powered by JBL® 6.5" Preconstruction kit for In-Ceiling Speaker	PCC55-KIT

REPLACEMENT GRILLS FOR LEVITON SPEC-GRADE IN-CEILING AND IN-WALL SPEAKERS

Description	Cat. No.
SGC65 Speaker Replacement Grill	SCG65-GRL
SGI65 Speaker Replacement Grill	SGI65-GRL
SGI80 Speaker Replacement Grill	SGI80-GRL

Home Theater Component Speakers

JBL® Systems measure up to a higher standard than typical home theaters, because more JBL speakers are found in film recording studios and behind the screens of the world's best movie theaters than any other brand. In the Leviton/JBL program, the same professional features and technologies that set JBL apart from the rest are ready for installation into advanced home theater systems—including leading-edge driver materials for clarity and definition, advanced crossover networks for signal purity, and "overbuilt" magnetic structures for maximum output and long-term reliability. Even the acoustically-transparent grilles concealing this speaker technology are inspired by JBL's years of professional experience in behind-the-screen theater sound systems.

Whether installed in a living room, family room, den or other entertainment space, Leviton Architectural Edition™ powered by JBL home theater speaker systems will thrill listeners with a theater quality listening experience.

Specifications and Features

JBL In-Wall/In-Ceiling Speakers

- JBL Titanium-laminate drivers (AEI65/80 in-wall and AEC65/80 and AEM65 in-ceiling models) or pure Titanium tweeter and Polymer-coated aluminum woofers (AEI55 installed center channel model) for maintaining musical accuracy and clarity even at frequency extremes
- Straight-line Signal Path™ (SSP™) crossover network for minimal signal distortion
- Long-excursion woofers with butyl-rubber half-round surrounds and extended pole-piece magnetic structures for maximum bass impact and dynamic range
- Low-diffraction, swivel-tweeter mounting system for optimum stereo imaging
- Heavy-duty push-type input terminals for long-term connection integrity
- Integrated dog-ear mounted brackets (optional rough-in kits available for pre construction installation in new homes)
- Acoustically-transparent paintable baffles and grilles

JBL Shelf-Mount Center Channel Speaker

- Straight-line Signal Path (SSP) crossover network for minimal signal distortion
- Dual 5-inch JBL PolyPlas™ cone woofers
- FreeFlow™ flared port for increased bass response without adding unwanted port noise
- Elliptical Oblate Spheroidal™ (EOS™) waveguide technology for improved high-frequency dispersion
- Acoustically-transparent silver grille included

JBL Subwoofer

- High efficiency, high current switching amplifier
- JBL's PolyPlas woofer for low frequencies
- FreeFlow flared port for increased bass response without adding unwanted port noise
- Variable low-pass crossover frequency controls and a phase switch allow for adjusting the AESUB to be adjusted to a room's particular acoustics and an individual's personal preference
- LFE and line level inputs for maximum connection flexibility
- Acoustically-transparent silver grille included

Straight-line Signal Path™, PolyPlas™, FreeFlow™ and Elliptical Oblate Sphereoidal™ are trademarks of Harman International Industries, Incorporated.



AECCS-VCE

LEVITON ARCHITECTURAL EDITION™ POWERED BY JBL® HOME THEATER SHELF-MOUNT SPEAKER

AECCS Dual 5" Two-way Shelf-Mount Center Channel Loudspeaker

Cat. No.	AECCS-VCE
Driver complement	.75" (19 mm) Titanium-laminate dome shielded Tweeter; Two 5" (130 mm) PolyPlas™ shielded woofers
Frequency Response (-3dB)	75 Hz-20 kHz
Sensitivity (2.83V/1m)	90 dB
Power Handling	75W/300W
Impedance	Nominal 8 O hms
Height	6.5" (165 mm)
Width	20.25" (514 mm)
Depth	9.625" (244 mm)
Weight	9.6 lb/4.4 kg per speaker
	Sold one each



AECSUB-012

LEVITON ARCHITECTURAL EDITION POWERED BY JBL HOME THEATER SUBWOOFER

AESUB Powered 12" Subwoofer with 300-Watt Amplifier

Cat. No.	AESUB-012
Driver complement	12" (300 mm) PolyPlas™ woofer
Enclosure type	Front-firing
Amplifier power output (RMS)	300 Watts
Dynamic power (peak)	500 Watts
Subwoofer Frequency Response (+/- 3dB)	25 Hz- low-pass crossover setting (variable)
Inputs	Line-Level (switchable to LFE) and Speaker-Level, with five-way binding posts
Height	19.75" (502 mm)
Width	14.37" (365 mm)
Depth	18" (457 mm)
Weight	39.5 lb/18 kg per speaker
	Sold one each

LEVITON ARCHITECTURAL EDITION™ POWERED BY JBL® HOME THEATER IN-WALL SPEAKERS


AEI55-000

	AEI55 Dual 5" Two-Way In-Wall (LCR) Channel Home Theater Loudspeaker
Cat. No.	**AEI55-000**
Driver complement	1" (25 mm) Pure Titanium dome tweeter; Two 5" (125mm) Polymer-coated aluminum woofers
Frequency Response (-10dB)	40 Hz-20 kHz
Sensitivity (2.83V/1m)	88 dB
Power Handling	120 Watts
Impedance	Nominal 8 Ohms
Height	7.5" (191 mm)
Width	15.37" (391 mm)
Depth	3.87" (98mm)
Mounting Cutout size	14" x 6" (356 mm x 152 mm)
Weight	5.7 lb/2.6 kg per speaker
	Sold one each

Home Cinema Speaker System

Specifications and Features

Home Cinema Speakers

- Five-channel system expands to 6.1 and 7.1 Surround-Sound operation with the addition of optional AESS5 satellite speaker(s)
- Includes five 2-way magnetically-shielded satellite speakers with high-output 2.5" (63.5 mm) woofer and precision .5" (12.7 mm) tweeter; one 8" (200 mm) 100-Watt powered subwoofer with LFE input, adjustable level control, and built-in crossover network for use with speaker-level receiver outputs
- Includes five architectural-grade adjustable mounting brackets
- Includes subwoofer input RCA cable
- Available in white or black finish

Satellite Speaker

- Includes one 2-way magnetically-shielded satellite speaker with high-output 2.5" (63.5 mm) woofer and precision .5" (12.7 mm) tweeter
- Includes one architectural-grade adjustable mounting bracket

Adapter Wallplate/Rough-In Kit

- Includes mounting hardware (wallplate screws and thread cutting screws for bracket to wallplate mounting)
- Available in black or white finish



AEH50-0WH

HOME CINEMA SPEAKER SYSTEM

AEH50 5-Channel Surround-Sound Home Cinema Speaker System with 100 Watt Powered Subwoofer and 5 Satellite Speakers

Cat. No.	AEH50-0WH	AEH50-0BL
Colors	White	Black
Subwoofer Enclosure Type	Bass-reflex with FreeFlow™ flared port	Bass-reflex with FreeFlow™ flared port
Recommended power range	10-100 Watts	10-100 Watts
Subwoofer Frequency Response (+/- 3dB)	35 Hz-160 Hz	35 Hz-160 Hz
Subwoofer Crossover Frequency	120 Hz, 24 dB/octave with LFE/Normal switch in NORMAL position	120 Hz, 24 dB/octave with LFE/Normal switch in NORMAL position
Satellite Frequency Response (+/-3dB)	150 Hz-20kHz	150 Hz-20kHz
Satellite Speaker Sensitivity (2.83V/1m)	86 dB	86 dB
Satellite Impedance	Nominal 8 Ohms	Nominal 8 Ohms
Subwoofer Dimensions and Weight		
Height	16.25" (413 mm)	16.25" (413 mm)
Width	11" (279 mm)	11" (279 mm)
Depth	13.75" (349 mm)	13.75" (349 mm)
Weight	28 lb/12.7 kg	28 lb/12.7 kg
Satellite Dimensions and Weight	1.8 lb/0.8 kg per speaker	1.8 lb/0.8 kg per speaker

EXPANSION SATELLITE SPEAKER

Optional AEH50 System matched Satellite Speaker for 6- and 7-channel operation for 6.1 or 7.1 Surround-Sound operation



AESS5-0WH

Cat No.	AESS5-0WH	AESS5-0BL
Colors	White	Black
Recommended power range	10- 100 Watts	10- 100 Watts
Frequency Response (+/- 3dB)	150 Hz- 20kHz	150 Hz- 20kHz
Speaker Sensitivity (2.83V/1m)	86 dB	86 dB
Impedance	Nominal 8 Ohms	Nominal 8 Ohms
Height	5" (127 mm)	5" (127 mm)
Width	3.5" (88 mm)	3.5" (88 mm)
Depth	3.5" (88 mm)	3.5" (88 mm)
Weight	1.8 lb/0.8 kg per speaker	1.8 lb/0.8 kg per speaker

ADAPTER WALLPLATE/ROUGH-IN KIT FOR JBL® HOME CINEMA SPEAKER SYSTEM SATELLITE SPEAKERS

Single gang Decorative Satellite Speaker Adapter Wallplate

Cat. No.	AEPHK-0WH	AEPHK-0BL
Colors	White	Black
Height	4.5" (114 mm)	4.5" (114 mm)
Width	2.75" (70 mm)	2.75" (70 mm)
Depth	25" (6 mm)	25" (6 mm)
Weight	1 oz./0.3 kg	1 oz./0.3 kg

NOTE: Patents Pending.

Harman/Kardon® Audio/Video Entertainment Center Components

There is no better way to assure the highest performance and value from a state-of-the-art Leviton Architectural Edition™ powered by JBL® system than to match it with the Harmon/Kardon Entertainment Center.

Specifications and Features

Harman/Kardon A/V Receiver

- Selectable Surround Sound modes, including but not limited to: Logic 7®, DTS®, DTS® 96/24™, Dolby® Digital, Dolby Virtual Speaker Version 2, and Dolby Pro Logic® II & IIx
- High Current amplification/Ultra-Wide Bandwidth design with independent front and rear power supplies
- 1080 HDMI™ switching with Audio/Video processing
- Simplay HD™ verified
- EzSet/EQ automatic room/system correction equalization (calibrated microphone included)
- Automatic room/system correction equalization (calibrated microphone included)
- Converts composite and S-video sources to component video
- RS-232 port for future applications
- Programmable backlit remote control
- iPod® Bridge compatible

Harman/Kardon DVD Player

- Attractive case for shelf-top locations.
- Red talkback LED, tests system for correct wiring as well as indicating infrared reception
- Nominal reception angle: 45 degrees off axis
- Attached 7' cable and 3.5 mm stereo mini plug permits direct plug-in to Connecting Block that has an "IR RCVR" or "AUX" jack

Remote Sensor

- Attractive case for shelf-top locations
- Red talkback LED, tests system for correct wiring as well as indicating infrared reception
- Nominal reception angle: 45 degrees off axis
- Attached 7' cable and 3.5 mm stereo mini plug permits direct plug-in to Connecting Block that has an "IR RCVR" or "AUX" jack



HKAVR-XXX*

HARMAN/KARDON 7.1 CHANNEL DIGITAL AUDIO/VIDEO RECEIVER

Description	Cat. No.
Seven-Channel Audio/Video Surround-Sound Receiver, with HDMI™ switching	HKAVR-xxx*

*See www.leviton.com to confirm Leviton part number. Check with your Leviton salesperson for product availability.

Dolby, Dolby Pro-Logic are registered trademarks of Dolby Laboratories.
DTS is a registered trademark of Digital Theater Systems, Inc.
HDCD is a registered trademark of Pacific Microsonics, Inc.
Burr-Brown is a trademark of Texas Instruments Incorporated.
Bridge, JBL and Harman/Kardon are registered trademarks of Harman International Industries, Incorporated.
iPod is a registered trademark of Apple Computer, Inc.
Windows Media is a registered trademark of Microsoft Corporation.
All other trademarks are the property of their respective owners.

HARMON/KARDON® DVD PLAYER WITH HDMI OUTPUT AND 1080I UPSCALING



HKDVD

Cat. No.	HKDVD
Height	2" (50 mm)
Width	17.3" (440 mm)
Depth	11.25" (285 mm)
Weight	6 lbs (2.7 kg)

INFRARED REMOTE SENSOR



HKRMS

Cat. No.	HKRMS
IR modulation frequency bandwidth	30-100 kHz
Nominal reception range	> 30 feet
Power	12 volts DC @ 10 milliamps. 781RG Power Supply required (supplied)
Maximum cable length	One mile with 18 gauge
Maximum current output	100 milliamps
Connecting block	3.5 mm stereo mini jack for quick-connect IR receivers; two 3.5 mm mono mini jacks with 470-Ohm resistors drive 2 single or 2 dual emitters; and, 2.1 mm coaxial power jack
Height	1" (26 mm)
Width	3.25" (83 mm)
Depth	2" (51 mm)
Weight	5.4 oz (0.153 kg)

Harman/Kardon® and A-BUS® Multi-Room Amplified Audio System (Hub and Volume Controls)

As an expansion option, Harman/Kardon offers the ability to connect with an A-BUS hub and amplified volume controls. This makes it possible to add multi-room music distribution right off the back of a compatible receiver. Each equipped room has a volume control with its own built-in amplifier suitable for casual or background indoor listening. Up to four rooms/zones can be operated from a single hub, which passes remote IR commands back from the volume controls and into the receiver so the user can access remote control functions from any A-BUS equipped room. The 4-zone A-BUS hub connects quickly and easily to the compatible interface port on the back of the advanced HKAVR receiver.

Specifications and Features

A-BUS Volume Control

- Decora® up/down amplified rocker-style volume control powers dedicated speakers in a single room/zone
- Built-in IR sensor accepts control commands to A/V receiver or other compatible components
- Fits in standard J-box or low-voltage mounting ring
- Output level trim pots
- Uses Category 5/5e UTP cabling

A-BUS Expansion Hub

- Distributes A-BUS audio signal and power to up to four rooms/zones with HKABV Volume Controls and connected speakers
- Easily connects to the RJ-45 A-BUS interface on the rear of an A-BUS Ready® HKAVR A/V Receiver



HKABV

AMPLIFIED IN-WALL A-BUS VOLUME CONTROL

Cat. No.	HKABV

A-BUS LOCAL SOURCE INPUT

Cat. No.	HKABS-000	
Cat. No.	**HKABS-CBL**	**RCA Cable for Local Source Input**



HKABS

A-BUS 4-ZONE SYSTEM EXPANSION HUB

Cat. No.	HKABH



HKABH

Decora® is a registered trademark of Leviton Manufacturing Inc.
Bridge, JBL and Harman/Kardon are registered trademarks of Harman International Industries, Incorporated.
A-BUS and A-BUS Ready are registered trademarks of LeisureTech. Electronics Ply Ltd. Australia.
All other trademarks are the property of their respective owners.

Leviton Architectural Edition™ Multi-Room Amplifiers

Leviton's Architectural Edition Multi-Room Audio Amplifiers combine advanced audio engineering, high-current performance and tremendous value in a single low-profile chassis. Superior multi-channel amplification supports even the most demanding residential multi-zone systems.

Designed for long-term use with advanced circuit protection and a thermostatically-controlled cooling fan, the AE6MA is a perfect balance of performance and simplicity. The AE6MC is the ultimate in listening flexibility, as advanced LCD keypads enable the selection of up to seven different audio sources in any room with full independent control—perfect for homes with a wide range of listening styles and preferences.

Specifications and Features

Leviton Architectural Edition Multiroom Amplifiers

- Automatic protection circuitry
- High efficiency/small space – Each of the twelve power amplifiers, inside the 3.5" high enclosure, delivers 50 Watts nominal (40 Watts RMS) with peaks of 100 Watts
- Individual input gain adjustment – Adjusts each channel for input and speaker sensitivity variations
- External power ON/OFF through external controllers (12VDC trigger output)
- Electronic Link feature – Allows for either six different stereo channel inputs to have individual sources, or for a different channel input's pair to share a common source depending on which link button is selected with a particular source (single-source amplifier model only; multi-room version has independent source selection and control)
- Cooling fan – A thermostatically-controlled internal fan helps prevent overheating, maximizes energy efficiency and ensures long-term reliability

AE6MC Multi-room Amplifier Additional Features

- Seven source input selection – Each of the six stereo amplifiers (12 channels total) has access to up to seven independent audio sources
- Six internal 80+ position stereo volume controls
- All-zone control through use of AE6MC keypad – Allows access to the entire system from a single keypad, as an entertainment feature. Keypad can be controlled remotely with an AE6MC remote (sold separately)

LEVITON ARCHITECTURAL EDITION MULTI-ROOM AMPLIFIERS

	12 Channel (6 Stereo Pairs) Power Amplifier	Seven-Source, Six-Room Multi-Channel Controller Amplifier
Cat. No.	**AE6MA-000**	**AE6MC-000**
Output Power	50 Watts nominal; (40 Watts RMS per channel 20Hz to 20kHz @ <0.2% THD, all channels driven into 8 Ohms)	50 Watts nominal; (40 Watts RMS per channel 20Hz to 20kHz @ <0.2% THD, all channels driven into 8 Ohms)
Peak Output Power	100 Watts per channel	100 Watts per channel
Inputs	Gold-plated RCA jacks with adjustable input gain	14 gold-plated RCA jacks with adjustable input gain. Each input has a fully buffered RCA jack output



AE6MA-000

Continued On Next Page >

Continued From Previous Page >



AE6MC

	12 Channel (6 Stereo Pairs) Power Amplifier	Seven-Source, Six-Room Multi-Channel Controller Amplifier
Cat. No.	**AE6MA-000**	**AE6MC-000**
Outputs	5-way gold-plated binding posts	Removable screw terminal type accepts 12-20 gauge wire
Total Harmonic Distortion (THD)	Less than 0.1% 20 Hz to 20 kHz	Less than 0.1% 20 Hz to 20 kHz
Signal-to-noise ratio	Over 105 dBA weighted (50 Watts)	Over 105 dBA weighted (50 Watts)
Fan noise	Quiet 28 dBA	Quiet 28 dBA
Height	3.5" (89 mm)	3.5" (89 mm)
Width	17" (432 mm)	17" (432 mm)
Depth	11.5" (292 mm)	11.5" (292 mm)
Weight	22 lb/ 10 kg	22 lb/ 10 kg

AE6MC MULTI-ROOM AMPLIFIER KEYPAD ACCESSORIES

Description	Cat. No.
Keypad Controller for AE6MC Amplifier	AE6MC-PAD
Remote Control for AE6MC Keypad Operation	AE6MC-RMT

Composer Series Volume Controls

Leviton's Composer Series Volume Controls are built to a single quality standard, which means system designers can specify them for any distributed sound application with total confidence. Leviton's Strauss Volume Control and Chopin Digital Volume Controls use the same heat dissipation technology used on the space shuttle. Their transformer-free design with audiophile-grade Cermetile resistors achieves ruler-flat frequency response across the entire audible frequency range while also eliminating the problem of "saturation" associated with conventional volume control and enabling them to handle tremendous amounts of music power.

Specifications and Features

Strauss Volume Control

- Decora® slide control with precision 12-position switch (including full OFF position)
- Transformer-Free attenuation technology ensures linear frequency response, signal integrity and high power handling ability
- Cermetile resistors replace conventional autoformers to preserve audio signal purity
- Detachable cable connector is compatible with all standard speaker wire sizes (14-18 gauge)
- Decora designer styling adds an elegant touch to any décor
- Can be used outdoors when mounted with any compatible Decora all weather cover

Chopin Volume Control

- No direct speaker/amplifier connections required at the volume control wall unit
- Digital, transformer-free design uses aerospace-grade Cermetile resistors for proper heat dissipation and superior performance
- Selectable boot-up feature allows automated volume level control upon powering of the stereo system
- Microprocessor controlled relays for silent switching
- Tap mute feature activated when pressing center of rocker switch
- 3-way volume control can be configured using extra controls

DECORA® STRAUSS TRANSFORMER-FREE VOLUME CONTROLS

	Decora Strauss Transformer-Free Volume Control	Decora Strauss Transformer-Free Impedance Matching Volume Control
Cat. No.	**SGVST-00W**	**SGVSM-00W**
Color	White (W)	White (W)
Frequency Response	20Hz-20kHz +/- 1dB	20Hz-20kHz +/- 1dB
Power Handling	200W peak/100W RMS	200W peak/100W RMS
Speaker Impedance	4-16 Ohms (nominal 8 Ohms)	4-16 Ohms (nominal 8 Ohms)
Mounting	Standard single-gang design (mounting Depth 2.5"/64 mm)	Standard single-gang design (mounting Depth 2.5"/64 mm)
Materials	Frame and slider: White Polycarbonate; high impact, fire retardant plastic rated UL94 V-0	Frame and slider: White Polycarbonate; high impact, fire retardant plastic rated UL94 V-0



SGVST-00W
(Wallplate Not Included)

COLOR CHANGE KITS

Description	Cat. No.
Color change kit (converts to Ivory or Almond)	SGVCK-0IA
Color change kit (converts to Black)	SGVCK-00E
Color change kit (converts to Light Almond)	SGVCK-0LA



48211-WVC

DECORA CHOPIN DIGITAL STEREO VOLUME CONTROL

	Digital Volume Control Wall Unit	Digital Volume Control Kit
Cat. No.	**48211-WVC**	**48211-WVK**
Color	White (W)	White (W)
Peak RMS Power Rating	200 Watts per channel	
Continuous Power Rating	100 Watts RMS per channel	
Frequency Response	(+/- 1dB) -15 – 50kHz	
Speaker Impedance	4-16 Ohms nominal	
Speaker/Amp Ctn.	Removable, snap-in audio monoblock with screw terminals	
Power Requirements	12 Volts DC, 200mA	
Height	4.13" (104.9 mm)	3.3" (83.82 mm)
Width	1.5" (38.1 mm)	6.5" (165.1 mm)
Depth	1.2" (30.48 mm)	1.8" (45.72 mm)



48211-WVK

Audio Distribution Modules

For system connectivity, the Leviton Architectural Edition™ line offers advanced and innovative audio distribution and control modules that centralize audio distribution connections and make for quicker, more reliable connections.

Specifications and Features

System Matching Module

- Combine with non impedance-matching Decora® Volume Controls to control up to six speaker pairs (cannot be used with impedance-matching volume controls)
- Mounts in Leviton's Structured Media® Centers
- Connects six rooms/zones
- AutoSurge™ circuit technology protects speakers from potentially damaging transients
- Transformer-Free™ impedance-matching design ensures linear frequency response, signal integrity, and high power handling capacity
- Aerospace-grade Cermetile resistors replace conventional autoformers to maintain audio signal purity
- Independent channel grounds assure safe connection for all conventional audio amplifiers
- Detachable cable connectors are compatible with all standard speaker wire sizes (14-18 gauge)

NOTE: to avoid amplifier damage, do not use the System Matching Module with impedance-matching volume controls

1x6 Audio Distribution Module

- Combine with impedance-matching Decora Volume Controls to control up to six speaker pairs from an amplifier or receiver
- Mounts in Leviton's Structured Media Centers
- Connects six rooms/zones
- Parallel connection scheme ensures the best sound quality
- User-removable connectors facilitate installation
- Connects with standard speaker wire
- Meets or exceeds applicable standards: UL and cULus listed

NOTE: to avoid amplifier damage, do not use the Audio Distribution Module with non-impedance matching volume controls



SGAMP

SYSTEM MATCHING MODULE FOR IMPEDANCE-MATCHING PASSIVE TWO-CHANNEL MULTI-ROOM AUDIO SYSTEMS

	System Matching Module
Cat. No.	**SGAMP-000**
Power Handling	150W RMS per channel/225W peak
Frequency Response	(+/- .5dB) 10Hz-40kHz
Dimensions	2.57" H x 6.38" W x 5.38" D (68.6 mm H x 161.9 mm W x 136.5 mm D)



48211-6A

1X6 AUDIO DISTRIBUTION MODULE

Cat. No.	**48211-06A**
Dimensions	6.58" H x 2.89" W x 1.42" D (167.1 mm H x 73.4 mm W x 36.1 mm D)
Wire Gauge	14-18 AWG
Requirements	Product must be used with impedance-matched volume controls or controllers

Leviton Architectural Edition™ Home Theater and Multi-Room Integrated Wallplates

These integrated wallplates combine the build-quality and signal path purity of a custom "audiophile" plate with the connectivity speed and convenience of a ready-made spring-clip design. Both home theater and multi-room audio versions are expandable using Leviton's acclaimed QuickPort® snap-in modules. These plates are complete and ready-to-use, and make a "custom quality" statement in any installed entertainment system.

Specifications and Features

Home Theater and Multi-Room Wallplates

- Designed for easy installation of cables
- Wallplates feature two QuickPort openings for adding other connectors (QuickPort blanks installed)
- Includes painted screws to match wallplates
- For use with low voltage rings and standard low voltage junction boxes

AEHTK Additional Features

- Accommodates from 5.1 to 7.1 channel surround-sound systems which connect to the A/V Receiver
- Features RCA connectors for connecting subwoofers
- Two extra openings for additional QuickPort connectors (ex. adding an A-BUS® jack or IR port)

AEMRK Additional Features

- Integrated wallplate for connecting Left and Right Audio Speakers (+/- connections), and two extra openings for additional QuickPort connectors (ex. adding a subwoofer or A-BUS jack)

Speaker Wallplates Features

- Allows for simple, solderless connections to any home entertainment speaker system
- Designed to be used with in-wall speaker wiring schemes

HOME THEATER AND MULTI-ROOM WALLPLATES

	AEHTK Home Theater Interface Wallplate	AEMRK Multi-Room Install Wallplate
Cat No.	**AEHTK-000**	**AEMRK-000**
Connector Type (front of module)	14 audiophile-grade, gold-plated black and red spring clips; 2 RCA connectors; 2 QuickPort openings	4 audiophile-grade, gold-plated black and red spring clips; 2 QuickPort openings
Connector Type (back of module)	Eight-pin and six-pin in-line pluggable screw terminals	2 two-pin in-line pluggable screw terminals
Wallplate	High quality impact-resistant plastic	High quality impact-resistant plastic
Color	White	White
Design	Standard three-gang	Standard single-gang
Mounting Depth	2.5" (64 mm)	2.5" (64 mm)
Wiring	14-16 gauge speaker wire	14-16 gauge speaker wire



AEHTK



AEMRK

LEVITON ARCHITECTURAL EDITION AUDIO SPEAKER WALLPLATES

Description	Cat. No.	Cat. No.
	White (W)	**Ivory (I)**
1-Gang Single Spring Clip Device Audio/Video Wallplate, Standard Size, Polymer Break Resistant, Box Mount	40951-1PW	40951-1PI
1-Gang Double Spring Clip Device Audio/Video Wallplate, Standard Size, Polymer Break Resistant, Box Mount	40952-2PW	40952-2PI



40952-2PW

LEVITON

Residential Grade



48210-MCH



48210-SRU

DECORA® MEDIA SYSTEMS COMPONENTS

	Send Unit With Power Supply	Receive Unit	Media Hub With Power Supply
Cat. No.	**48210-MSU**	**48210-MRU**	**48210-MCH**
Video Bandwidth	50 M Hz @ -3 dB	50 M Hz @ -3 dB	50 M Hz @ -3 dB
Video THD	75 dBc	-75 dBc	-75 dBc
Video Input	0.5V to 2V composite	—	0.5V to 2V composite
Video Output	—	0.5V to 2V composite	—
Slew Rate	800/Vus	800/Vus	800/Vus
Audio Input Impedance	20k Ohms, max 3Vp-p	20k Ohms, max 3Vp-p	—
Audio Output Impedance	—	51 Ohms, max 2Vp-p	—
Audio Freq. Response	5 Hz-100k Hz, ±3 dB	5 Hz-100k Hz, ±3 dB	5 Hz-100k Hz, ±3 dB
Audio THD	0.002% 20 Hz-20k Hz	0.004% 20 Hz-20k Hz	0.002% 20 Hz-20k Hz
Audio S/N Ratio	100 dB typical, 80 dB min, 20 Hz-20k Hz	100 dB typical, 80 dB min, 20 Hz-20k Hz	100 dB typical, 80 dB min, 20 Hz-20k Hz
Input Noise	4.5nV/(Hz), 1/2 typical @ 1k Hz	6nV/(Hz), 1/2 typical @ 1k Hz	4.5nV/(Hz), 1/2 typical @ 1k Hz
Input and Outputs	3 RCA input jacks, 1 set RJ-45 in/out jacks 1 110 punchdown out, 1 DC power input	3 RCA output jacks, 1 set RJ-45 in/out jacks 1 110 punchdown out, 1 DC power input	3 RCA input jacks, 1 RJ-45 input jack 6 RJ-45 output jacks, 1 DC power input
Power	12VDC	12VDC	15VDC
Height	4.1" (104.1 mm)	4.1" (104.1 mm)	6.5" (165.1 mm)
Width	1.4" (35.6 mm)	1.4" (35.6 mm)	3.4" (86.4)
Depth	2.0" (50.8 mm)	2.0" (50.8 mm)	1.75" (4.44 mm)

DECORA MEDIA SYSTEMS UNIT PAIR

Description	Cat. No.
Decora Media System Send and Receive Unit Pair with Power Supply	48210-SRU

MULTI-ROOM INFRARED (IR) REPEATER SYSTEM

Description	Cat. No.
Infrared Emitter	47621-MIE
Infrared Target	47621-CMS
1x9 Bridged Telephone Module, without bracket. Individual boxed unit pack, rack pack carton.	47603-110
Target Output	1 signal lead
Target Input	2 power leads (DC + and -)
Emitter Output	Infrared to control source component
Emitter Input	2 signal leads
Power Supply	12VDC @ 500mA
Emitter Length	6 ft (1.8 m) of Cable
Dimensions	2" H x 1" W (50.8 mm H x 25.4 mm W)

Recessed Devices

For an almost invisible installation behind wall-mounted TVs, entertainment centers, monitors and more, connect with Leviton Recessed Devices. The Recessed Entertainment Box (REB) centralizes AC power and low voltage connection points for audio, video, data and phones. For smaller applications, choose a 2-Gang Recessed Duplex Receptacle (with openings for six installer-selected QuickPort® connectors) or a 1-Gang Recessed Duplex Receptacle.

Flush-mounted on the wall, the Leviton recessed boxes install invisibly behind wall units, wall-mounted flat panel TVs, and signature artwork. They are perfect for homes, apartments, co-ops, condominiums and offices.

Specifications and Features

Recessed One-Gang Duplex Receptacle

- 1-gang recessed receptacle
- Offers a cULus approved, code compliant solution providing two 15A/125VAC NEMA 5-15R power outlets
- Supplies AC power for two components (flat panel TVs and video receiver)
- Fits most common electrical boxes available at Electrical Distributors and Home Centers (electrical box not included)

Recessed Two-Gang Duplex Receptacle with Openings for Six QuickPort Connectors

- Offers a UL approved, code compliant solution providing two 15A/125VAC NEMA 5-15R power outlets and openings for six installer-selected QuickPort connectors or blank inserts (four inserts included)
- Fully compatible with Leviton's QuickPort Snap-In Modules
- Includes plastic electrical box designed for use in new and retrofit construction
- Centralizes device connection points for AC power, audio, video, data and phone connections
- Wallplate built into device

Recessed Entertainment Box

- Manages home theater electronics in a single location
- Ideal for new construction (stud-mounted) and retrofit (wall-mounted) applications
- Low-profile frame provides neat, clean recessed installation
- Optional high-profile cover includes sliding plastic front panel, and channels all wires through the bottom of the REB
- Any combination of line and low voltage products can be configured in the three device openings
- Paintable white ABS molded plastic for structural integrity

Continued On Next Page >

Continued From Previous Page >



689-00W



690-00W



47617-REB

LEVITON RECESSED DEVICES

Description	Cat. No. White (-W)	Cat. No. Ivory (-I)	Cat. No. Lt. Almond (-T)	Cat. No. Black (-E)	Cat. No. Non-Magnetic Stainless Steel
1-Gang Recessed Single Receptacle 15A-125VAC, 2-Pole, 3-Wire – NEMA 5-15R (Includes Clock Hanger Hook)	688-00W	688-00I	—	—	5261-0CH
1-Gang Recessed Duplex Receptacle 15A-125VAC, 2-Pole, 3-Wire – NEMA 5-15R	689-00W	689-00I	689-00T	689-00E	—
1-Gang Recessed Single Receptacle 20A-125VAC, 2-Pole, 3-Wire – NEMA 5-20R (Includes Clock Hanger Hook)	—	—	—	—	5361-0CH
2-Gang Recessed Duplex Receptacle and Openings for 6 QuickPort Modules 15A-125VAC, 2-Pole, 3-Wire – NEMA 5-15R	690-00W	690-00I	690-00T	690-00E	-

RECESSED ENTERTAINMENT BOX (REB)

Description	Cat. No.
REB Box Includes Low-Profile Frame	47617-REB
High-Profile Cover	47617-HPC
Low Profile Frame	47617-LPF
Replacement Snap-In Plates (2 Per Bag)	47617-PLT
REB Box Includes High Profile Cover	47617-RBH



Electrical Accessories

INDEX

Residential Grade

Taps and Adapters 101
Night/Guide Lights 103
Utility and Battery-Operated Lights 104
Accessories 104

Residential Grade

Electrical Accessories

Leviton Electrical Accessories for the home include taps and adapters, night lights and battery operated lighting. Every electrical accessory is subject to Leviton's strict in-house quality control and must meet or exceed applicable industry standards.

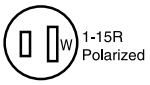


Taps and Adapters

Specifications and Features
- Plug-In Switch provides ON/OFF switching at outlet location
- Plug-In Outlet Adapters provide convenient expansion of outlet capacity
- Lampholder Outlet Adapters convert lampholders into lampholders with outlets

SWITCH TAPS

2-Pole, 2-Wire



Description	Rating	Cat. No.	Color
Plug-In Switch Tap, non-grounded	13A-125V	1469	W, I


1469-W

PLUG-IN OUTLET ADAPTERS

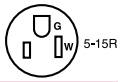
2-Pole, 2-Wire, Non-Grounded



Description	Rating	Cat. No.	Color
Single-to-Triple, 3 round or flat plugs accepted	15A-125V	63	W, I
Single-to-Triple Right Angle, 3 round or flat plugs accepted*	15A-125V	65	W, I
Single-to-Triple, Swivel, 3 flat plugs accepted	15A-125V	69	W, I
Triple Cube Adapter, Vinyl, 3 Round or flat plugs accepted	15A-125V	531	W, I
Duplex outlet to 6 outlets, 6 round or flat plugs accepted	15A-125V	49687	W, I

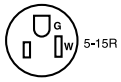

69-W

2-Pole, 3-Wire – Grounded



Description	Rating	Cat. No.	Color
3-Wire, Single-to-Triple, 3 straight plugs accepted	15A-125V	694	O, G
Triple Cube Adapter, 3 round or flat plugs accepted	15A-125V	692	W, I
3-Wire, Duplex-to-Six, 6 small or 4 large plugs accepted	15A-125V	6ADPT	W, I
3-Wire, Single-to-Triple, 3 straight or angle plugs accepted	15A-125V	697	W, I
3-Wire, Single-to-Triple, Vinyl 3 straight or angle plugs accepted	15A-125V	699	O

2-Pole, 2-Wire To 2-Pole 3-Wire Grounding



Description	Rating	Cat. No.	Color
2-Wire to 3, 1 straight or 1 angle plug accepted*	15A-125V	274	GY
2-Wire to 3, 3 straight plugs accepted*	15A-125V	698	W, I

CSA Certified except where indicated*
Note: All Leviton #274 and #698 adapters use the outlet wallplate screws for grounding.


698-W



1403-W

MEDIUM BASE LAMPHOLDER OUTLET ADAPTERS

2-Pole, 2-Wire

1-15R Polarized

Description	Rating	Cat. No.	Color
Outlet-to-Lampholder*	660W-125V	61	W, I
Lampholder-to-Outlet	660W-125V	125	W, I
Pull Chain Lampholder and 2 Outlets, Pull chain controls lamp socket ONLY. Outlet continuously live	660W-125V Max. Total	1406	W, I, E
Keyless Lampholder and 2 Outlets	660W-125V	1403	W, I, E
Single Lampholder-to-Twin Lampholder	660W-125V	128	W, I

CSA Certified except where indicated*

TESTING AND CODE COMPLIANCE

- UL Listed (File #E13393-Cat. No. 125; File #E13394-Cat. Nos. 63, 65, 69, 531, 1469, 6ADPT, 692, 694, 697, 698, 699, 274, 128, 1403 and 1406; File #E-13399-Cat. Nos. 63, 65, 69, 531)
- CSA Certified (File #LR-406-Cat. No. 125; File #LR-1523-Cat. No. 63; File #LR-2780-Cat. No. 128; File #LR-61476-Cat. Nos. 65, 69, 531 and 1469: File #LR-91345-Cat. No. 6ADPT)
- NOM Certified (#057)

COLOR

Basic Cat. Nos. denote Mahogany (Brown). To order colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Ebony (-E), Gray (-GY), Orange (-O), Green (-G)

Night and Guide Lights

Leviton Night Lights and Guide Lights provide just the right amount of light at the right time, in styles to please any homeowner. Both product lines include a low-wattage LED model. The night light line offers a choice of standard and automatic ON/OFF lights.

ENERGY SMART LIVING

Specifications and Features

Automatic Night Lights

- Turns ON automatically at dusk and OFF automatically at dawn or by sound, depending on model
- Long-life LED bulb included

Guide Lights

- Energy-efficient with soft, comforting light
- Compact Neon model keeps second outlet free
- No bulb to replace in LED models

NIGHT/GUIDE LIGHTS

Description	Rating	Cat. No.	Color
AUTOMATIC LIGHT DIRECTING LED NIGHT LIGHT Removable shade slides up and down to direct light	.25W-120V	48585	W
AUTOMATIC ROTATING SPOTLIGHT Incandescent Automatic ON/OFF with 360° rotating head directs light	2W-120V	49566	W
LED Automatic ON/OFF with 360° rotating spotlight directs light	.5W-120V	49566-LED	W
LED AUTOMATIC NIGHT LIGHT Automatic ON/OFF LED with sleek, contemporary styling (LED Available in 1,2 and 4 packs)	.5W-120V	48561	W
LED AUTOMATIC NIGHT LIGHT Automatic ON/OFF with light-reflecting, crystal-faceted shade	.25W-120V	48580	WHT, BLU,
AUTOMATIC SOUND-ACTIVATED NIGHT LIGHT Sound-Activated with adjustable sensitivity	4W-125V	51012	W
LED Sound-Activated with adjustable sensitivity	.5W-120V	51012-LED	W
LED DECORATIVE SHADE NIGHT LIGHTS 49563 Series—Consult your Leviton representative for available shade designs and colors	.5W-115V	49563	W
GUIDE LIGHTS Button-Style Neon Guide Light	.25W-120V	49567	W
LED Guide Light with clear shade	.5W-120V	49568	W (Night Light Base, Amber LED) BLU (Blue LED)
COOL GLOW NIGHT LIGHT Electro-Luminescent Guide Light (2 pack)	.03W-115V	16509-2PK	W
OUTLET NIGHT LIGHTS LED Outlet Server Automatic Night Light	.5W-120V	OUTLT-AMB	W (Night Light Base, Amber LED)
Automatic Night Light with Outlet and Safety Shade	7W-125V	51018	W (Night Light Base)



49566-LED



48561



49563

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-39445-Cat. Nos. 16509, 49566 and 51012; File #E-121173-Cat. No. 48561); File #E-322201-Cat Nos. 49563, 49568, SNSOR
- NOM Certified (#057)

COLOR

To order colors, add suffix to basic Cat. No.
White (-W), Blue LED (BLU)

Utility and Battery-Operated Lights

Brighten dark corners and other out of the way places with convenient plug in or battery-operated fluorescent and LED utility lights. An adhesive mounting strip allows you to put them anywhere, even under cabinets and inside closets.

Specifications and Features

Utility Lights

- Plug in CCFL utility light lasts 4x longer than standard fluorescent
- Battery operation adds light without wiring anywhere extra light is needed
- Includes adhesives for easy, anywhere mounting



49568

FLUORESCENT UTILITY LIGHTS

Description	Cat. No.	Color
6" Battery-Operated Fluorescent Light Requires 4 AA batteries (not included). 6V DC Jack for use with AC/DC adapter (Sold separately)	6511-6	W (Base Only)
CCFL Plug-In Utility Light - 2.5W-120VAC, 60Hz	ØCCFL	W

LED UTILITY LIGHTS

Description	Cat. No.	Color
Battery-Operated LED Puck Utility Light with Push ON/OFF - Adhesive Back Requires 3 AA batteries (included)	LEDPL	E, SLV, L, R
6" Battery-Operated LED Utility Light	UTILY	W
Battery-Operated Oval Shaped LED Push ON/OFF with Adhesive Back	LEDVL	E



ØCCFL

Accessories

Outlet caps, staples, wiring fasteners, cable fittings, cable ties — Leviton has everything needed to get the job done.

Specifications and Features

Outlet Safety Caps

- Insert into unused outlets to serve as a barrier
- Can be easily removed by adults when needed



12540

ELECTRICAL ACCESSORIES

Description	Cat. No.	Color
Cable Ties - Holds wires, cables, bundles and hoses; comes in assorted lengths and colors. Quantities up to 1,000 pcs.	12540	W, E, NE
Outlet Caps - 12 Pack	12777	Clear
Outlet Caps - 24 Pack	12777-24p	Clear

TESTING AND CODE COMPLIANCE

- UL Listed File #E-7416 - Cat. No. 12777
- CSA Certified
- NOM Certified (#057)

COLOR

To order colors, add suffix to basic Cat. No. White (-W), Black (-E), Neon (-NE). Silver (-SLV), Blue (-L), Red (-R)



Energy Management Products

INDEX

Commercial Grade

LevNet RF™ Wireless Self-Powered Solutions 106
Occupancy Sensors 112
Outdoor Motion Sensors 131
EZ-MAX Plus™ Relay Control Panels 133
GreenMAX™ Relay Control Panels 136
miniZ™ Intelligent Daylight Management System 139
Sector Intelligent Ballast and Lighting Control System 141

Residential Grade

Decora® Timer Switches 144
Decora® Occupancy Sensors 146

LevNet RF™ Wireless Self-Powered Solutions

Wireless self-powered technology means no new wiring, external power, or batteries. Leviton LevNet RF Wireless Self-Powered Solutions are easy to install and maintenance-free, saving ongoing labor and material costs while saving energy.

enocean® alliance

No Wires. No Batteries. No Limits.

Leviton is part of the EnOcean Alliance dedicated to the advancement of self-powered interoperable wireless building control systems. EnOcean technology allows energy harvesting LevNet RF transmitters to operate indefinitely without the use of batteries. The motion of a switch actuation, light on a solar cell, or temperature differentials in the environment provide power to Leviton transmitters, allowing zero-maintenance wireless devices. The LevNet RF line includes multiple products that operate in the non-crowded 315 MHz band offering greater transmission range than other wireless technologies and minimal competitive traffic.

Green Solutions

Energy Savings

- Place virtually anywhere and control any LevNet RF or compatible EnOcean Alliance wireless device within range - the opportunities for energy savings are limitless
- Wireless self-powered occupancy sensors turn lights and other devices off when a room is unoccupied
- Wireless self-powered temperature sensors set heating or air conditioning to an “economy” setting
- Master switch stops current to devices that draw standby power and ensures lights, fans, and other devices are off when exiting

Material Savings

- No wires to run - reduce the amount of materials, labor, and time on installation
- No batteries or external power required - save on materials, energy, and waste from battery manufacturing and disposal

Minimize Costs

- Shorten electrical planning by hours
- Reduce labor required for initial installation and ongoing maintenance
- Flexible, adaptable systems can be moved or expanded with ease after initial installation
- Avoid wall repairs in retrofit applications
- Eliminate switch legs, traveler wires, and other raw materials

Ideal for Use In

- Energy-wise lighting and HVAC control, hospitality energy management, classroom automation, building remodeling, retrofit projects and more
- All LevNet RF devices are NAFTA/Buy American compliant

Wireless Occupancy Sensing Solutions



Leviton combines occupancy sensing with wireless and self-powered technology for savings on energy, labor, material and time. With no additional wiring needed for installation, it's the ideal wireless solution for retrofit projects that need occupancy sensors or multi-location (3-way or 4-way) switching. Installation is quick and easy. Simply replace the existing wall switch with the Wall Switch Receiver, mount the Wireless Self-Powered Occupancy Sensor and installation is complete. With no wires to run, installation costs can be as much as 50% less than conventional hardwire systems. The Wall Switch Receiver and Wireless Remote Switch can also be used for easy and convenient wireless multi-location (3-way or 4-way) switching.

Specifications & Features

Wireless Self-Powered Infrared Occupancy Sensor

- Simple, fast installation with no additional wiring – the Wireless Occupancy Sensor communicates with the Wall Switch Receiver and Self-Powered Remote Switch via wireless technology, eliminating the need to pull any additional wire
- Auto-ON/Auto-OFF and Manual-ON/Auto-OFF modes
- Self-powered – a built-in solar cell draws on available light to power itself indefinitely without the need for batteries or external power; includes a receptacle for batteries and 24V connection, for applications where no ambient light is available
- Sensors can be placed in locations difficult to hardwire in both retrofit and new construction applications
- Walk-thru feature turns the lights off after momentary occupancy
- Use WSCØ4 for areas where minor motion is likely to occur
- Use WSC15 for large areas where minor motion is not likely to occur

LevNet RF Wall Switch Receiver and Self-Powered Remote Switch

- Simple, fast installation with no additional wiring
- Takes the place of traditional single-pole wall switches and fits in a standard single-gang wall box
- Provides local control and manual override (WSS10 models)
- Provides remote local control and manual override (WSS0S-PØX models)
- Convenient wireless multi-location (3-way or 4-way) switch solution – simply link the Wall Switch Receiver and as much as six
  Wireless Self-Powered Remote Switches – no additional wiring needed
- Responds to signals from the occupancy sensor, automatically shutting off lights when the room is vacant
- Self-powered, draws on kinetic energy to charge itself each time the button is pushed (WSS0S-PØX models)
- Relay uses zero-crossing circuitry for enhanced reliability and long-life operation
- Compatible with incandescent, fluorescent and low-voltage lighting
- Compatible with electronic and magnetic ballasts
- Non-neutral models for retrofit applications available (WSS10 models)

Ideal For Use In

Any retrofit application, any new construction, private and executive offices, conference rooms, class rooms, rest rooms and daycare centers.

Wireless Self-Powered Solutions

WIRELESS SENSORS

Description	Cat. No.	Rating	Coverage	Color
PIR Occupancy Sensor, 450SF (best for minor motion)	WSC04-I0W	—	360°, 450SF	W
PIR Occupancy Sensor, 1500SF (best for large areas)	WSC15-I0W	—	360°, 1500SF	W

WIRELESS SWITCHES

(Use with WSC04-I0W, WSC15-I0W, or WSS0S-P0X)

Description	Cat. No.	Rating	Color
Decora® Wall Switch Receiver	WSS10-0D	Incandescent: 800W @ 120V. Fluorescent Ballasts: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/4 HP Load @ 120V	W, I, A, T, G, E
Decora Wall Switch Receiver, Non-Neutral for Retrofit Applications	WSS10-GD	Incandescent: 800W @ 120V. Fluorescent Ballasts: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/4 HP Load @ 120V	W, I, A, T, G, E

WIRELESS REMOTE SWITCHES

Description	Cat. No. *	Color
Single Push ON/OFF Remote Switch	WSS0S-P0	W, I, A, T, G, E
1-Gang Single Rocker Decora Switch	WSS0S-D0	W, I, A, T, G, E
1-Gang Dual Rocker Decora Switch	WSS0S-D2	W, I, A, T, G, E
Handheld 4-Button Remote	WSS0S-R0W	W
Hotel Key Card Switch	WSS0S-H0W	W
Thermostat, 4VAC	WS0TH-S0W	W
3 x 3 Single Rocker Switch	WSS0S-E0	W, E
3 x 3 Dual Rocker Switch	WSS0S-E2	W, E

WIRELESS LINE VOLTAGE RECEIVERS

Description	Cat. No. *	Color
3-Wire 500 Relay Receiver, 120VAC	WSP05-010	W
3-Wire 1200 Relay Receiver, 277VAC	WSP05-020	W
3-Wire 1000 Relay Receiver, 240VAC	WSP05-080	W
5-Wire 1500 Relay Receiver, 120VAC	WSP12-010	W
5-Wire 3200 Relay Receiver, 277VAC	WSP12-020	W
5-Wire 3000 Relay Receiver, 240VAC	WSP12-080	W
5-Wire 300 Relay Receiver, 24VAC	WSP12-R10	W

WIRELESS PLUG-IN RECEIVERS

Description	Cat. No. *	Color
Plug-In Dimmer Receiver	WSG0S-D1T	T
Plug-In ON/OFF Relay Receiver	WSG0S-S1T	T

WIRELESS LOW VOLTAGE RECEIVERS

Description	Cat. No. *	Color
2-Channel Room Controller, 2 Inputs/2 Outputs, 8-30VDC	WS0RC-200	W
3-Channel Room Controller, 1 Input/3 Outputs, 8-30VDC	WS0RC-300	W
4-Channel Room Controller, 0 Input/4 Outputs, 8-30VDC	WS0RC-400	W
2-Channel Shade Controller, 8-30VDC	WS0RC-S00	W
4-Channel Relay Receiver, 8-30VAC or 8-30VDC	WSPAS-LV4	W
8-Channel Relay Receiver, 8-30VAC or 8-30VDC	WSPAS-LV8	W

WIRELESS TRANSMITTERS

Description	Cat. No. *	Color
SLT Circuit Interlock Transmitter, 120VAC	WSSLT-010	W
SLT Circuit Interlock Transmitter, 240VAC	WSSLT-R10	W
4-Channel SLT Transmitter, 8-28VDC	WSSLT-GP0	W

WIRELESS ACCESSORIES

Description	Cat. No. *	Color
RS-232 Serial Box Data Interface	WS0RF-300	W
Signal Strength Meter	WSMET-010	W

*** Colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Almond (-A), Light Almond (-T), Gray (-G), Black (-E).**

TESTING AND CODE COMPLIANCE

- WSCXX, WSS10 and WSSØS-PØX models
  - CEC Title 24 Compliant
  - FCC Certified for Wireless Communication
  - C-ETL/ETL Listed to UL508 (WSS10 and WSS0S-PØX models)
  - Backed by Limited Five-Year Warranty

COLOR

To order colors, add suffix to catalog number as follows:
White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Grey (-G), Ebony (-E).

Commercial Grade

More Wireless Self-Powered Solutions

Wireless Remote Switches

- Controls virtually any on/off device



Single Push ON/OFF Remote Switch



Single Rocker Decora® Switch



Dual Rocker Decora® Switch



Handheld 4-Button Remote



Hotel Key Card Switch

- Designed for the hospitality industry, the key card is inserted into the switch and a wireless signal is sent to a receiver(s) that controls devices in the room



Thermostat

- Adjusts temperature based on "Occupied" and "Unoccupied" signals



3X3 Single Rocker Switch



3X3 Dual Rocker Switch

Wireless Line Voltage Receivers



3-Wire Relay Receivers

- Basic control for up to 30 wireless light switches



5-Wire Relay Receivers

- Converts an existing pole switch into a 3-way (or multi-way) switch without running any wire
- Use for larger load ratings and motor load control

Wireless Plug-In Receivers



Plug-In Dimmer Receiver

- Dimming and relay (on/off) control of devices



Plug-In ON/OFF Relay Receiver

- Relay (on/off) control of devices

Wireless Low Voltage Receivers



2, 3 and 4-Channel Room Controller

- Manual and auto-OFF control of lights when no one is in a room
- Use with as much as four power packs and low-voltage sensors
- Available as 2 Inputs/2 Outputs or 1 Input/3 Outputs or 0 Input/4 Outputs models



2-Channel Shade Controller

- Enables manual and automated control of window shades and blinds



4 and 8-Channel Relay Receiver

- Connects wireless switches and sensors to new or existing control systems

Wireless Transmitters



SLT Circuit Interlock Transmitter

- Replaces wires between an electrical load and a switch with an RF control signal to control loads



4-Channel SLT Transmitter

- Connects (4) GPIO signals from the HVAC controller to control lighting

Wireless Accessories



RS-232 Serial Box Data Interface

- Connects to any system that uses an RS-232 Serial Port

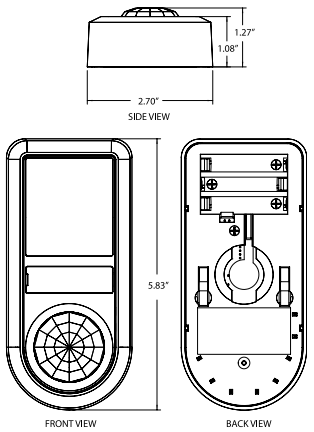


Signal Strength Meter

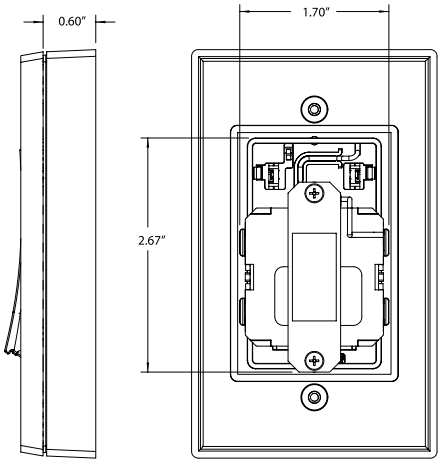
- Portable tool for measuring and indicating the received field strength (RSSI) of EnOcean telegrams and distributing radio activity at 315MHz
- Supports electrical installers during the planning phase
- Verifies whether the installation of Leviton LevNet RF products are possible at the positions planned

LevNet RF solutions are powered by EnOcean Alliance wireless devices.

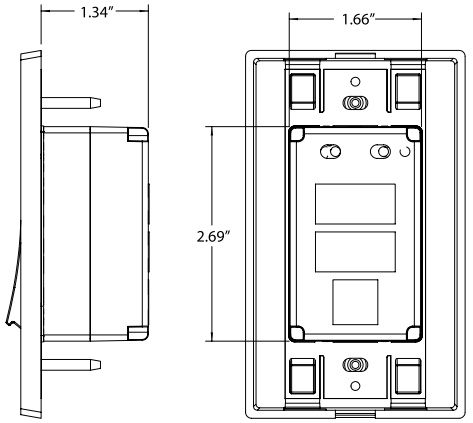
DIMENSIONS



WSC04/WSC15

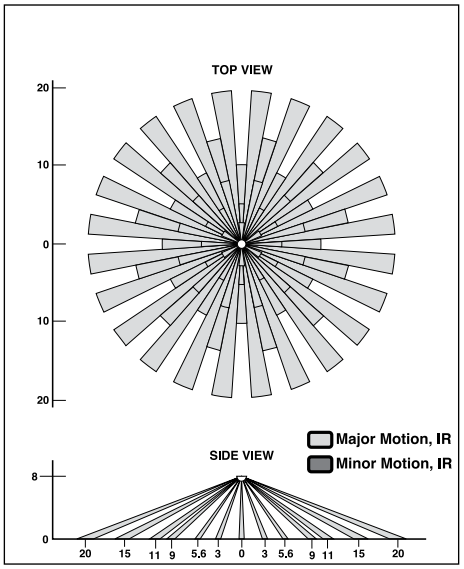


WSS0S

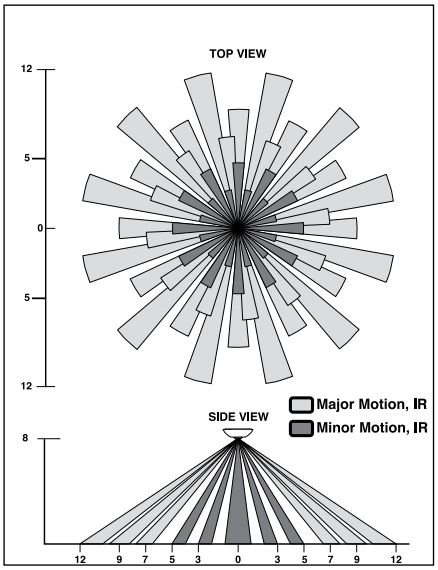


WSS10

FIELD OF VIEW



WSC15 Field of View
(in feet)



WSCØ4 Field of View
(in feet)

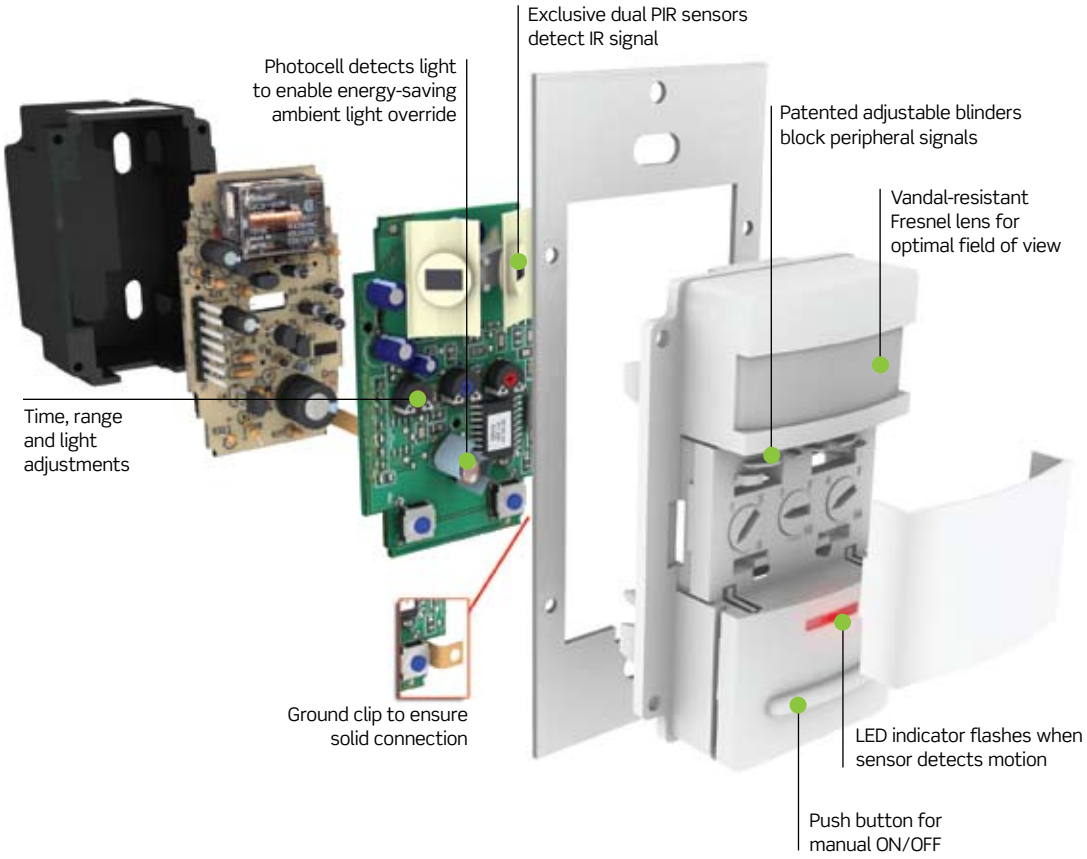
LEVITON

Commercial Grade

Occupancy Sensor Lighting Controls

Leviton offers a variety of space-monitoring Occupancy Sensor Lighting Controls for virtually any room, facility, home or office. Wall or ceiling mount, with passive infrared, ultrasonic or multi-technology sensing; end-users will benefit from the energy savings, convenience and security provided by Leviton Occupancy Sensors.

Wall-Switch Occupancy Sensor (ODSIØ Shown)



COLORS

To order colors, add suffix to Cat No.

White (-W)	Ivory (-I)	Almond (-A)	Light Almond (-T)	Grey (-G)	Black (-E)

Features and Benefits

- Adjustable delayed-OFF and/or self-adjusting delayed-OFF interval compensates for occupancy patterns—preventing unnecessary ON/OFF switching
- Many with self-adjusting settings that continuously analyze and adjust for optimum performance
- Advanced passive infrared (PIR) technology for monitoring obstruction-free areas
- Advanced ultrasonic sensing technology for highly accurate small-motion monitoring
- For use with incandescent or fluorescent lighting
- Backed by a Limited Five-Year Warranty

Wall Switch Occupancy Sensor Lighting Controls

Specifications and Features

All ODS Wall Switch Sensors

- Leviton Wall Switch sensors are designed for operation in a variety of voltages, reducing the need for additional SKUs
- Photocell with ambient light override prevents these devices from switching lights ON when there is ample natural sunlight
- Push-button manual override is used to turn lights ON at any time, regardless of the override setting
- 180° field of view, 2100 sq. ft. of coverage
- One unit can be used for 120V or 277VAC 60Hz incandescent, low voltage and fluorescent lighting with either magnetic or electronic ballasts, and motor loads
- Exclusive dual PIR sensors
- Patented adjustable blinders
- Vandal-resistant Fresnel lens
- Fits in standard wallbox; gangable
- Elegant Decora styling; uses Decora wallplate
- Bcked by a Limited Five-Year Warranty

ODS15-ID PIR Occupancy Sensor

- For use in small offices, conference rooms, classrooms, stockrooms, lounges, restrooms, warehouses and commercial areas
- Exclusive automatic "Walk-Through" sensing increases energy savings by shutting lights within 2 1/2 minutes after momentary occupancy
- Delayed-OFF time interval (10, 10 and 30 minutes) compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching—with 30-second test mode

ODS10-ID PIR Occupancy Sensor

- For use in enclosed offices, storage rooms, copier rooms and closets
- Delayed-OFF time settings: 10, 20 and 30 minutes with 30-second test mode

All Night Light Wall Switch Sensors

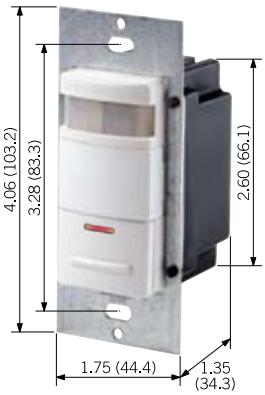
- For use in conference rooms, classrooms, small offices, lounges, hotel/hospital/office restrooms
- 180˚ field of view, 1200 sq. ft. of coverage
- Night light with dim feature

OSSNL-ID PIR Occupancy Sensor

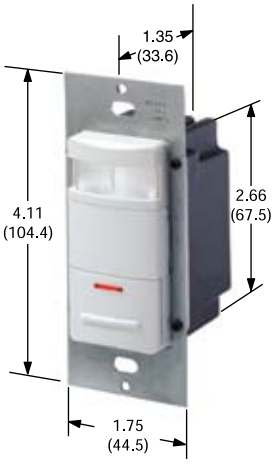
- Manual delayed-off time settings: 30 seconds test mode, 30 minutes, 1 hour, 2 hours

OSS10-ID PIR Occupancy Sensor

- Manual delayed-off time settings: 30 seconds test mode, 10, 20 and 30 minutes
- Manual ON/Auto OFF operation for CEC Title 24 Compliance



ODS15-IDW



OSSNL-IDW/OSS10-IDW

WALL SWITCH INFRARED OCCUPANCY SENSOR LIGHTING CONTROLS

Description	Cat. No.	Rating	Color
Decora® Wall Switch PIR Occupancy Sensor, 180˚ field of view, 2100 sq. ft	ODS10-ID	Incandescent: 800W @ 120V, Fluorescent: 1200VA @ 120V, 2700VA @ 277V. For 60 Hz AC only. Motor: 1/4 HP @ 120V	W, I, A, T, G, E
Decora Wall Switch PIR Occupancy Sensor with Self-Adaptive Technology, 180˚ field of view, 2100 sq. ft	ODS15-ID	Incandescent: 1800W @ 120V. Fluorescent: 1800VA @ 120V, 4000VA @ 277V. Motor: 1/4 HP @ 120V	W, I, A, T, G, E
Decora Wall Switch PIR Occupancy Sensor with LED Night Light, 180˚ field of view, 1200 sq. ft (neutral required)	OSSNL-ID	Incandescent: 800W @ 120V Fluorescent: 1200VA @ 120V 2700VA @ 277V Motor: 1/8HP @ 120V	W, I, A, T, G, E
CEC Title 24 Compliant Decora Wall Switch PIR Manual-ON Sensor with LED Night Light, 180˚ field of view, 1200 sq. ft (neutral required)	OSS10-ID	Incandescent: 800W @ 120V Fluorescent: 1200VA @ 120V 2700VA @ 277V Motor: 1/8HP @ 120V	W, I, A, T, G, E

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-118904)
- CSA Certified (File #LR-91148M)
- NOM Certified (#057)
- Conforms to California Title 24 Energy Code
- Meets ASHRAE Standard 90.1 requirements

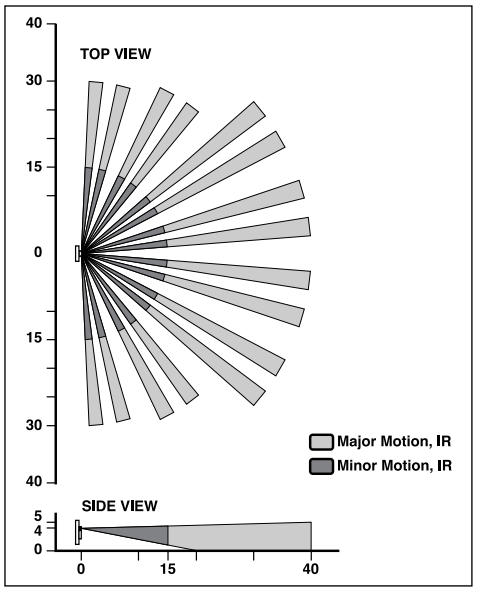
MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 50°C
Storage Temperature: -10°C to 85°C
Relative Humidity: 20% to 90% non-condensing

COLOR

To order colors, add suffix to catalog number as follows: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Grey (-G), Black (-E).

FIELD OF VIEW



ODSXX-ID/OSSXX-ID Field of View (in feet)

Decora® Wall Switch Occupancy Sensor Lighting Controls (Commercial Grade)

Convenient switch and occupancy sensor combo in sleek Decora® style unit. Advanced passive infrared technology provides highly accurate monitoring in a variety of commercial applications. The OSSMD and OSSMT Multi-Tech unit combines passive infrared and ultrasonic technologies to provide maximum sensitivity with immunity to false triggering.

Specifications and Features

- Leviton Wall Switch Sensors are designed for operation in a variety of voltages, reducing the need for additional SKUs

Dual-Relay PIR Occupancy Sensors

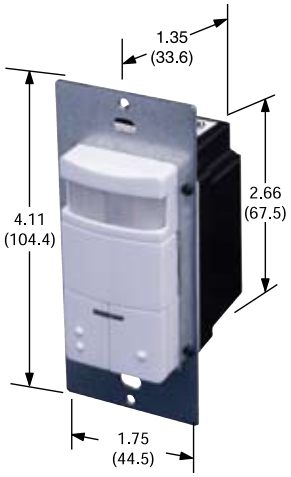
- Ideal for classrooms, multimedia and conference rooms, day care centers, office, and lounges
- Exclusive automatic "Walk-Through" sensing
- Provides automatic switching for 2 separate banks of fluorescent, incandescent, or low-voltage lighting from a single unit
- Delayed-OFF time interval (10, 20 and 30 minutes) compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching—with 30-second test mode
- ODS0D-TD provides Manual-ON/Auto-OFF operation for CEC Title 24 compliance
- Backed by a Limited Five-Year Warranty

OSSMT-MD, OSSMT-GD, OSSMD-MD, OSSMD-GD, OSSMD-FT

- OSSMT ideal for private and Executive offices, conference rooms, storage areas, restrooms, classrooms, lounges, and training areas, or areas where minor motion is likely to occur
- OSSMD ideal for bi-level offices, partitioned areas and restrooms or areas where minor motion is likely to occur
- Photocell with ambient light override prevents lights from turning on when there is ample natural light
- Manual override turns lights on at any time regardless of override setting
- Exclusive automatic "walk-through" sensing increases energy savings by shutting lights within 2 1/2 minutes after momentary occupancy
- Manual delayed-off-time settings: (10, 20, and 30 minutes) compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching — with 30-second test mode
- Single-pole and 3-way wiring
- Adjustable integral blinders with 180° to 32° field-of-view
- Manual ON/Auto OFF operation for CEC Title 24 compliance
- Backed by a Limited Five-Year Warranty

DUAL-RELAY DECORA WALL SWITCH INFRARED OCCUPANCY SENSOR

Description	Cat. No.	Photocell Control Options Per Relay	Rating	Color
Dual-Relay Decora Wall Switch PIR Occupancy Sensor with Self-Adaptive Technology, 180˚ field of view, 2100 sq. feet	ODS0D-ID	Default Setting: Conference Room Mode (Both Primary and Secondary Relays respond to Ambient Light Override.) Alternate Setting: Classroom Mode (Primary Relay only responds to Ambient Light Override.)	Primary Relay: Fluorescent: 1200VA @ 120V, 2700VA @ 277V. Incandescent: 800W @ 120V. Secondary Relay: Fluorescent: 800VA @ 120V, 1200VA @ 277V. Incandescent: 800W @ 120V	W, I, A, T, G, E

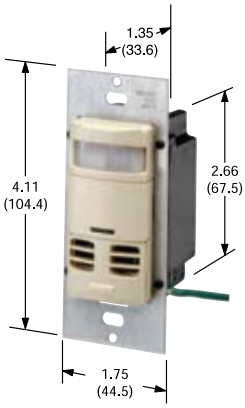


ODS0D-IDW/ODS0D-TDW

Continued On Next Page >

Continued From Previous Page >

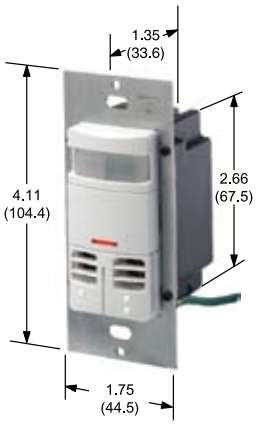
Description	Cat. No.	Photocell Control Options Per Relay	Rating	Color
Dual-Relay Decora Wall Switch PIR Occupancy Sensor with Self-Adaptive Technology. Secondary relay provides Manual-ON only for CEC Title 24 compliance, 180˚ field of view, 2100 sq. ft	ODS0D-TD	Primary Relay provides Automatic ON switching and responds to Ambient Light Override. Secondary Relay provides Manual-ON switching only	Primary Relay: Fluorescent: 1200VA @120V, 2700VA @ 277V. Incandescent: 800W @ 120V. Secondary Relay: Fluorescent: 800VA @ 120V, Incandescent: 800W @ 120V	W, I, A, T, G, E



OSSMT-MD /
OSSMT-GD / OSSMD-FT
Multi-Tech Sensor

DECORA® WALL SWITCH MULTI-TECH (PIR & US) OCCUPANCY SENSORS* UL CSA

Description	Cat. No.	Rating	Color
Decora Wall Switch Multi-tech Occupancy Sensor with Self-Adaptive Technology 180°, 2400SF	OSSMT-MD	Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200V@120V, 2700VA@277V, Motor: 1/4HP@120V	W, I, A, T, G, E
Decora Wall Switch Multi-tech Occupancy Sensor No neutral wire required for installation 180°, 2400SF	OSSMT-GD	Incandescent/Tungsten: 800W @ 120V Fluorescent: 1200V@120V, 2700VA@277V, Motor: 1/4HP@120V	W, I, A, T, G, E
Dual-Relay Decora Wall Switch Multi-tech Occupancy Sensor 180°, 2400SF	OSSMD-MD	Primary Relay: Fluorescent:1200VA @120V, 2700VA @ 277V. Incandescent: 800W @ 120V Motor: 1/4HP@120VC	W, I, A, T, G, E
Dual-Relay Decora Wall Switch Multi-tech Occupancy Sensor No neutral wire required for installation 180°, 2400SF	OSSMD-GD	Primary Relay: Fluorescent:1200VA @120V, 2700VA @ 277V. Incandescent: 800W @ 120V Secondary Relay - Fluorescent 800VA @ 120V, 1200VA@277V; Incandescent:800W@120V Motor: 1/4HP@120VC	W, I, A, T, G, E
Dual-Relay Decora Wall Switch Multi-tech Occupancy Sensor 10 minute delayed - OFF on and relay 180°, 2400SF	OSSMD-FT	Primary Relay: Fluorescent:1200VA @120V, 2700VA @ 277V. Incandescent: 800W @ 120V Secondary Relay - Fluorescent	W, I, A, T, G, E



OSSMD-MD / OSSMD-GD
Dual Relay Multi-Tech Sensor

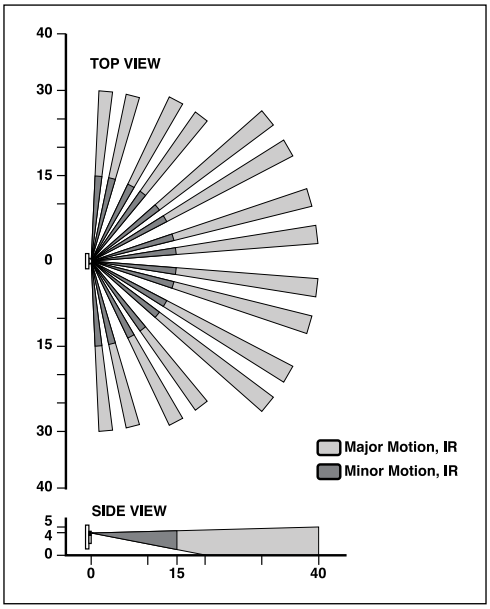
***Consult Factory for 208, 220, 230 and 240V models.**

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-118904), (ODSXX and OSSMT-MD models)
- CUL/US Certified (0DS0D-ID)
- ETL/cETL Listed UL508/CSA C22.2 No. 14 (OSSMD and OSSMT-GD models)
- CSA Certified (File #LR-91148M)
- CEC Title 24 compliant (ODSXX, and OSSMX models) and meets ASHRAE Standard 90.1 requirements

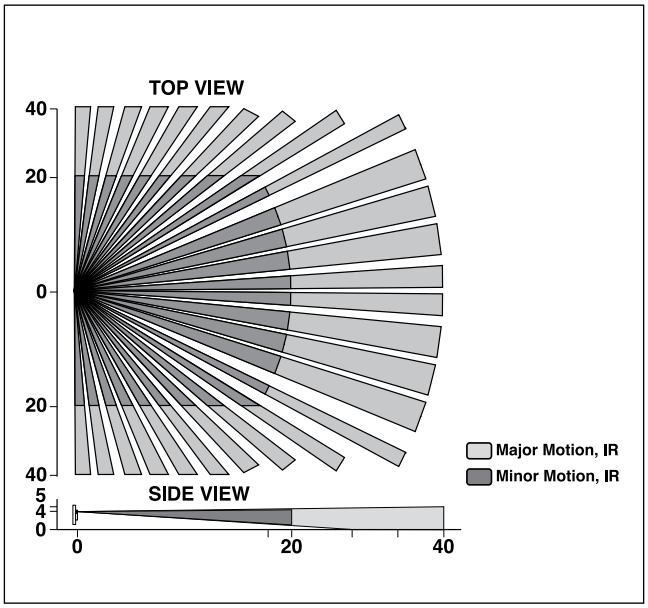
MATERIAL CHARACTERISTICS
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -10°C to 85°C
- Relative Humidity: 20% to 90% non-condensing

COLOR
To order colors, add suffix to catalog number as follows: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Grey (-G), Black (-E).

FIELD OF VIEW



ODSØD
(Field of View in Feet)



OSSMD/OSSMT
(Field of View in Feet)

Occupancy Sensor Lighting Controls - Fixture Mount

Specifications and Features

OSFHU

- Ideal in commercial facilities with high ceilings, including warehouses, manufacturing, cold storage and others
- Mounts directly to industrial-style fluorescent luminaires or electrical junction box
- Universal unit includes an open area 360˚ high bay lens installed in the sensor, 360° low bay lens and an interchangeable 60 x 20 ft. aisle-pattern lens
- 360° high-bay (white lens) with 2:1 spacing to mounting height coverage under 25 ft. mounting and 1.5:1 for heights up to 40 ft. mounting. 360° low-bay (blue lens) with 2:1 spacing to mounting height coverage for 15 ft. to 25 ft. mounting. aisle (black lens) with detection of 60 ft. long by 20 ft. wide for heights up to 40 ft. mounting.
- Models include cold storage applications as low as -40°F as well as a non-neutral 480V
- Self-contained PIR sensor and relay turn individual fixtures ON/OFF based on occupancy
- Accommodates high-bay 8-40 ft. mounting heights
- Relay uses zero-crossing circuitry for enhanced reliability and long-life operation
- Delayed-OFF time adjustment from 30 seconds to 20 minutes
- Two-piece accessory offset adapter (Cat. No. OSFOA-00W) that snaps into a 1/2" knockout on the end of an industrial fixture is also available
- Adapter allows positioning of the sensor below the fixture body to improve field of view for deep body fixtures
- Backed by a Limited Five-Year Warranty

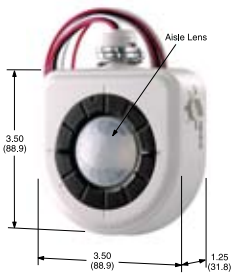
OSF10

- Ideal for pre-wiring and installing inside of luminaire fixtures for use in small offices, cubicles, task lighting, cabinet lighting and small bathroom lighting
- Easy installation with longer 38" leads allows for easy connection to any ballast and eliminates the need to splice additional wiring
- Integrated photocell prevents lights from turning ON when room is adequately illuminated by natural light maximum energy savings
- True Zero-Cross relay technology provides maximum contact life and compatibility with electronic ballasts
- Adjustable Time Delay and Light Level dials located on sensor housing for easy access
- Compact size for tight spaces
- 8-10ft. mounting heights for indoor use
- Internal fixture mount reduces number of devices on ceiling
- Backed by a Limited Five-Year Warranty

OCCUPANCY SENSOR LIGHTING CONTROLS - FIXTURE MOUNT COMMERCIAL GRADE*

Description	Cat. No.	Rating	Color
PIR Fixture Mount High-Bay Occupancy Sensor with Three Interchangeable Lenses for High-Bay, Low-Bay, and Aisle Way Patterns, 120-347VAC	OSFHU-ITW	Fluorescent: 800VA @ 120V, 1200VA @ 277V, 1500VA @ 347V. Motor: 1/4HP @ 120V	W
PIR Fixture Mount High-Bay Occupancy Sensor with Three Interchangeable Lenses for High-Bay, Low-Bay, and Aisle Way Patterns for Cold Storage Applications, 120-347VAC	OSFHU-CTW	Fluorescent: 800VA @ 120V, 1200VA @ 277V, 1500VA @ 347V. Motor: 1/4HP @ 120V	W
PIR Fixture Mount High-Bay Occupancy Sensor with Three Interchangeable Lenses for High-Bay, Low-Bay, and Aisle Way Patterns, 480VAC	OSFHU-I4W	Fluorescent: 1500VA @ 347V, 2400VA @ 480V. Motor: 1/4HP @ 120V	W
PIR Fixture Mount High-Bay Occupancy Sensor with Three Interchangeable Lenses for High-bay, Low-Bay, and Aisle Way Patterns for Cold Storage Applications, 480VAC	OSFHU-C4W	Fluorescent: 1500VA @ 347V, 2400VA @ 480V. Motor: 1/4HP @ 120V	W
Offset Adapter Accessory for Fixture-Mount High-Bay Occupancy Sensor	OSFOA-00W OSFLO-00W	—	W
Fixture Mount Intergral Luminaire Occupancy Sensor, 120-347VAC	OSF10-I0W	Fluorescent: 800VA @ 120V, 1200VA @ 277V Incandescent: 800W@120V Motor: 1/6 HP@120V	W

*Consult Factory for 208, 220, 230 and 240V models.



OSFHU-ITW


OSFHU
360° Low-Bay Lens


OSFHU
360° High-Bay Lens


OSF0A


OSF10

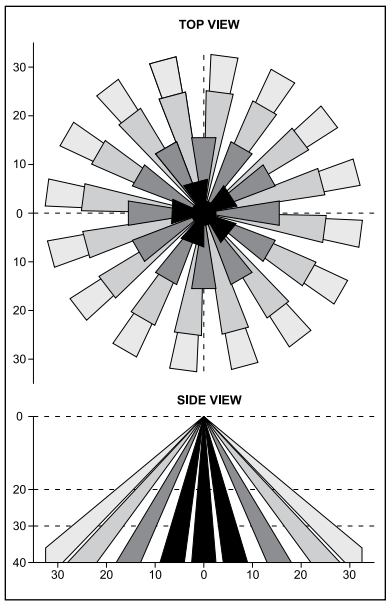
TESTING AND CODE COMPLIANCE
- UL and cUL Listed

MATERIAL CHARACTERISTICS
- Operating Temperature: 0°C to 55°C
- Storage Temperature: -10°C to 80°C
- Relative Humidity: 20% to 90% non-condensing

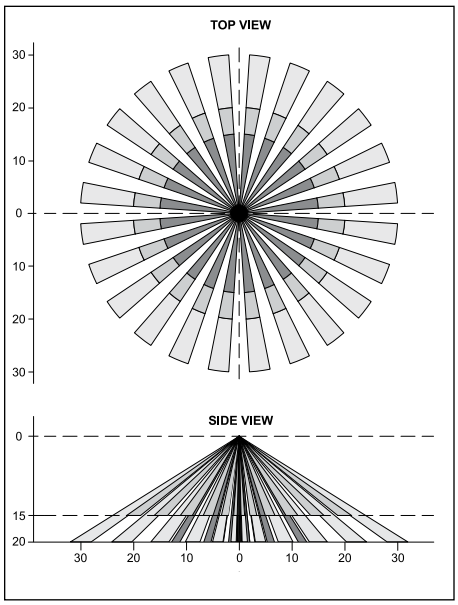
COLOR
To order colors, add suffix to catalog number as follows: White (-W).

FIELD OF VIEW

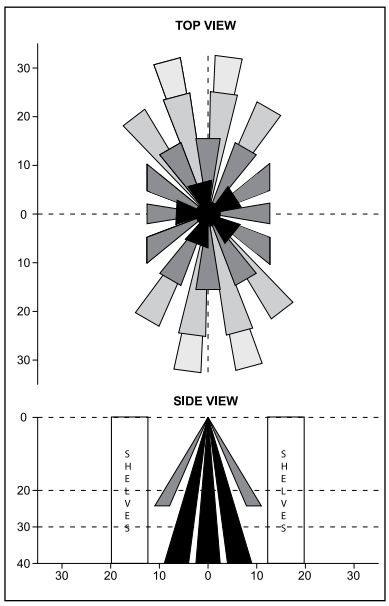
OSFHU Field of View (in feet)



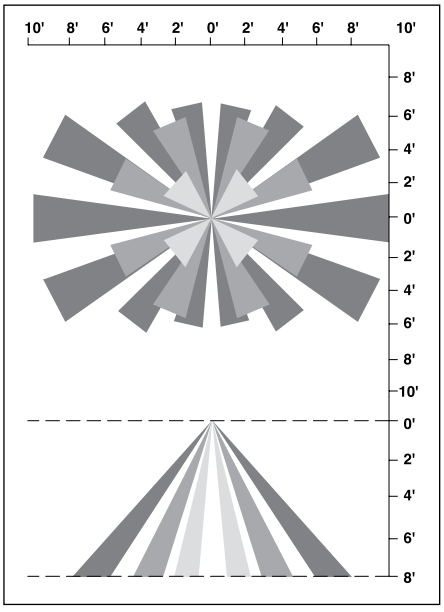
360° High-Bay
(White Lens)



360° Low-Bay
(Blue Lens)



Aisle
(Black Lens)



OSF10-I0W
Field of View (in feet)

Ceiling-Mount Occupancy Sensor Lighting Controls

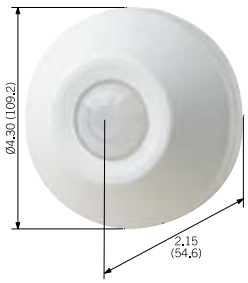
PIR Occupancy Sensor with built-in relay—Separate Power Pack not required

Specifications and Features

- Ideal for storage areas, small bathrooms, copy rooms and a variety of small spaces without wall switches
- Full 360° view of a 530 sq. ft. area when surface mounted on standard, 8-foot ceiling
- Sensor and switching relay combined in a single self-contained unit—No control unit required
- Ambient light override option prevents lights from turning ON when there is ample natural light
- Adjustable Delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Small, unobtrusive self-contained unit: 4.3" (109.2 mm) diameter testing & code compliance
- Backed by a Limited Five-Year Warranty

SELF-CONTAINED INFRARED CEILING-MOUNT OCCUPANCY SENSOR

Description	Cat.No.	Rating	Coverage	Color
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I1W	Incandescent: 1000W @ 120V. Fluorescent: 1000VA @ 120V. 1 HP @ 120V For 60Hz AC only	360°, 530 sq. ft	W
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I2W	Incandescent: 1000W @ 220V. Fluorescent: 500VA @ 220V. For 50Hz AC only	360°, 530 sq. ft	W
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I7W	Fluorescent: 2700VA @ 277V. For 60Hz AC only	360°, 530 sq. ft	W
Protective Cage	ODCCG	—	—	W



ODC0S-I1W

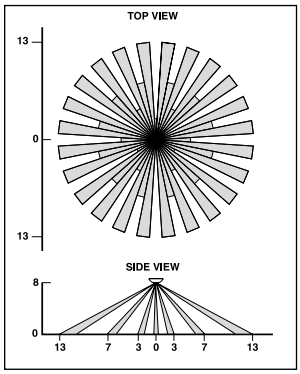
TESTING AND CODE COMPLIANCE

- UL and CSA Certified
- California title 24 compliant and meets ASHRAE Standard 90.1 requirements

COLOR

To order colors, add suffix to catalog number as follows: White (-W)

FIELD OF VIEW



ODC0S-I Field of View (in feet)

Multi-Technology Ceiling-Mount Occupancy Sensor

Advanced motion sensors combine infrared and ultrasonic technology for highly accurate monitoring without false triggering. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control.

Specifications and Features

- Ideal for office areas with cubicles, general work space, classrooms, cafeterias and public areas in commercial facilities
- Ultrasonic sensing for maximum sensitivity combined with Passive Infrared (PIR) sensing to prevent false triggering from air conditioning and corridor activity
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Ambient light override prevents lights from turning ON when there is ample natural light
- Manual Delayed-OFF time settings of 30 seconds to 30 minutes
- Self-Adjusting Delayed-OFF time interval settings for 30 seconds to 30 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Choice of coverage patterns to suit a variety of applications
- Small, unobtrusive size blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Compatible with Wiremold® surface raceways for mounting to hard ceilings
- Backed by a Limited Five-Year Warranty



OSC05-M0W



OSC20-M0W

MULTI-TECHNOLOGY CEILING-MOUNT OCCUPANCY SENSOR

(For use with Leviton Power Pack) UL CSA

Description	Cat. No.	Coverage	Operating Frequency	Color
Multi-Tech Ceiling-Mount Occupancy Sensor	OSC05-M0W	180°, 500 sq. ft	40kHz	W
Multi-Tech Ceiling-Mount Occupancy Sensor	OSC10-M0W	360°, 1000 sq. ft	40kHz	W
Multi-Tech Ceiling-Mount Occupancy Sensor	OSC20-M0W	360°, 2000 sq. ft	32kHz	W
Protective Cage	ODCCG	—	—	W

TESTING AND CODE COMPLIANCE

- UL and CSA Certified
- CUL/US, FCC and NOM Certified
- California Title 24 compliant and meets ASHRAE Standard 90.1 requirements

COLOR

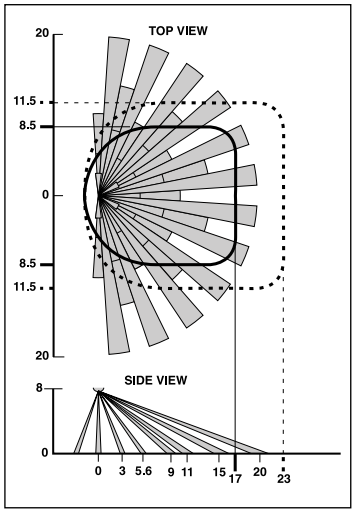
To order colors, add suffix to catalog number as follows: White (-W)

Related Products

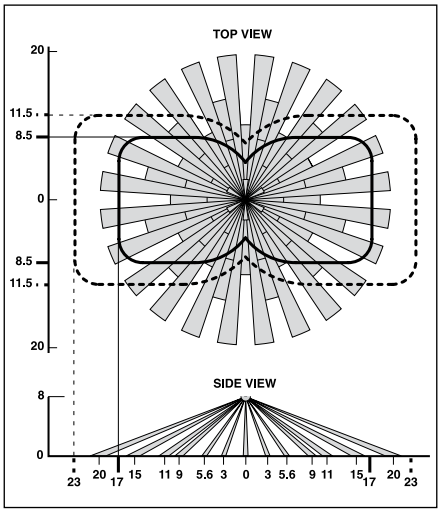
Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. OSP20 Power Pack (purchased separately). **See page 129 for more information on OSP20.**

FIELD OF VIEW

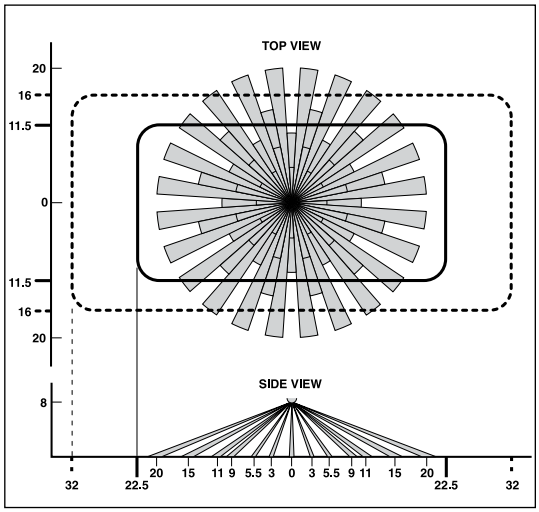
Major Motion, IR
Minor Motion, Ultrasonic
Major Motion, Ultrasonic



OSC05-M0W
Field of View (in feet)



OSC10-M0W
Field of View



OSC20-M0W
Field of View

Ceiling-Mount Occupancy Sensor Lighting Controls

Advanced Ultrasonic sensing technology for highly accurate monitoring with excellent immunity to air currents and other interference. All-digital self-adjusting technology provides “Install and Forget” solution for automatic lighting control.

Specifications and Features

Ultrasonic Ceiling Mount Occupancy Sensor

- Ideal for office areas with cubicles, general work space, classrooms, cafeterias and public areas in commercial facilities
- Ultrasonic sensing for maximum sensitivity combined with Passive Infrared (PIR) sensing to prevent false triggering from air conditioning and corridor activity
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Ambient light override prevents lights from turning ON when there is ample natural light
- Manual Delayed-OFF time settings of 30 seconds to 30 minutes
- Self-Adjusting Delayed-OFF time interval settings for 30 seconds to 30 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Choice of coverage patterns to suit a variety of applications
- Small, unobtrusive size blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Compatible with Wiremold® surface raceways for mounting to hard ceilings

Continued On Next Page >

Commercial Grade

Continued From Previous Page >

Infrared Ceiling-Mount Occupancy Sensor For Use With Leviton Power Pack

- Ideal small offices, closets, open offices, and other areas in commercial facilities with unobstructed view of the sensor
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Ambient light override prevents lights from turning ON when there is ample natural light
- Manual Delayed-OFF time settings of 30 seconds to 30 minutes
- Self-Adjusting Delayed-OFF time interval settings for 30 seconds to 30 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Small, unobtrusive size blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Backed by a Limited Five-Year Warranty



OSC05-U0W

ULTRASONIC CEILING-MOUNT OCCUPANCY SENSOR

Description	Cat. No.	Coverage	Operating Frequency	Color
Ultrasonic Ceiling-Mount Occupancy Sensor	OSC05-U0W	180°, 500 sq. ft	40kHz	W
Ultrasonic Ceiling-Mount Occupancy Sensor	OSC10-U0W	360°, 1000 sq. ft	40kHz	W
Ultrasonic Ceiling-Mount Occupancy Sensor	OSC20-U0W	360°, 2000 sq. ft	32kHz	W
Protective Cage	ODCCG	—	—	W

TESTING AND CODE COMPLIANCE
- CUL/US Certified
- Meets ASHRAE Standard 90.1 requirements

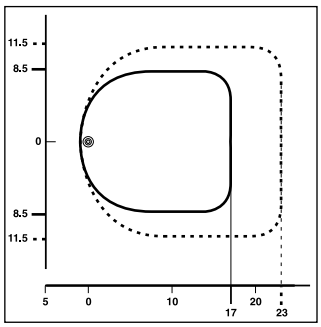
COLOR
To order colors, add suffix to catalog number as follows: White (-W)

Related Products

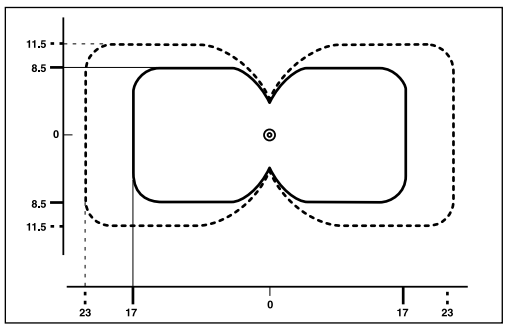
Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. OSP20 Power Pack (purchased separately). **See page 129 for more information on OSP20.**

FIELD OF VIEW

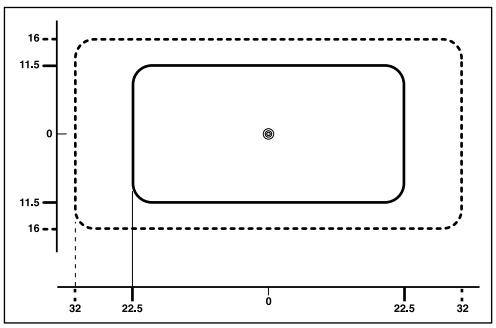
Minor Motion, Ultrasonic
Major Motion, Ultrasonic



OSC05-U0W Field of View (in feet)



OSC10-U0W Field of View



OSC20-U0W Field of View

INFRARED CEILING-MOUNT OCCUPANCY SENSOR

(For use with Leviton Power Pack)

Description	Cat. No.	Coverage	Color
Infrared Ceiling-Mount Occupancy Sensor	OSC04-I0W	360°, 450 sq. ft	W
Infrared Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	OSC15-I0W	360°, 1500 sq. ft	W
Protective Cage	ODCCG	—	W



OSC04-I0W

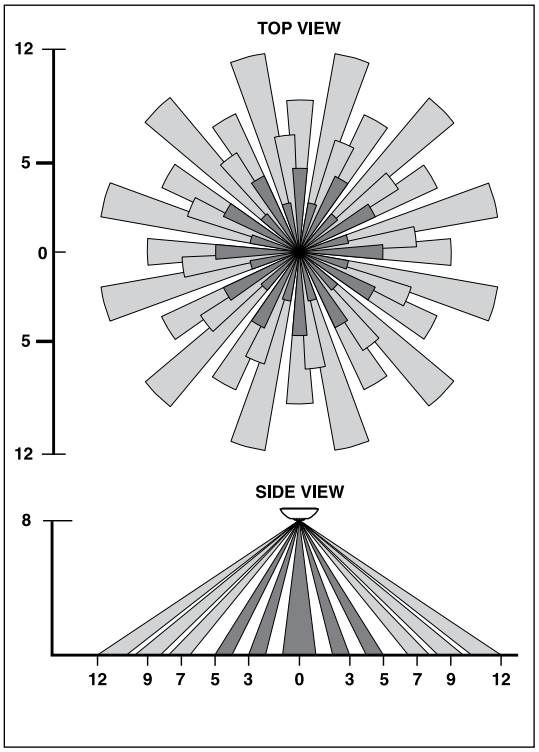
TESTING AND CODE COMPLIANCE
- CUL/US Certified
- Meets ASHRAE Standard 90.1 requirements

COLOR
To order colors, add suffix to catalog number as follows: White (-W)

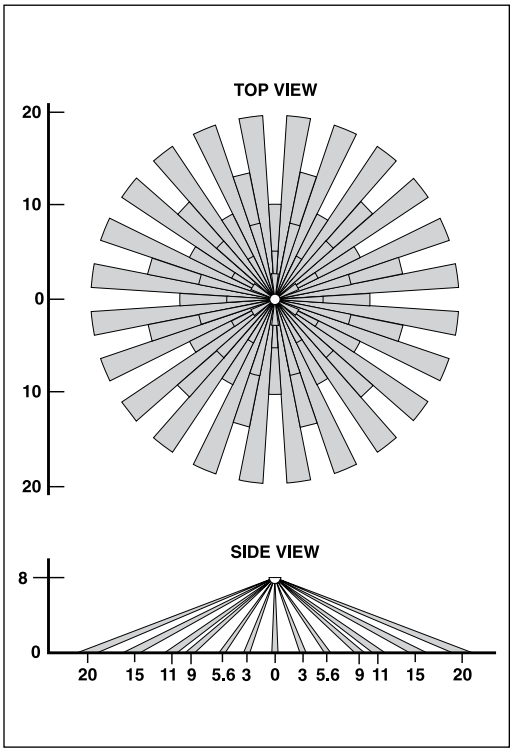
Related Products
Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. OSP20 Power Pack (purchased separately). **See page 129 for more information on OSP20.**

FIELD OF VIEW

Minor Motion, IR
Major Motion, IR



OSC04-I0W Field of View (in feet)



OSC15-I0W Field of View

Wall-Mount Occupancy Sensor Lighting Controls

Advanced motion sensors combine infrared and ultrasonic technology for highly accurate monitoring without false triggering. Advanced Passive Infrared technology for highly accurate monitoring in a variety of commercial applications. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control.

Specifications and Features

- Ideal for conference rooms, stairwells, high-ceiling rooms, open areas, storage rooms and classrooms. Also ideal for corner mounting in a variety of applications.
- Ultrasonic sensing for maximum sensitivity combined with Passive Infrared (PIR) sensing to prevent false triggering from air conditioning and corridor activity
- Adjustable swivel neck rotates 80° vertically and 60° horizontally— Can be used for ceiling or wall mounting
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Ambient light override prevents lights from turning ON when there is ample natural light
- Manual Delayed-OFF time settings of 30 seconds to 30 minutes
- Self-Adjusting Delayed-OFF time interval settings for 30 seconds to 30 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post
- Backed by a Limited Five-Year Warranty



OSW12-M0W
Wall Mount



OSW12-M0W
Ceiling Mount

MULTI-TECHNOLOGY WALL-MOUNT OCCUPANCY SENSOR

(For use with Leviton Power Pack or Power Base Adaptor)

Description	Cat. No.	Coverage	Operating Frequency	Color
Multi-Tech Wall-Mount Occupancy Sensor	OSW12-M0W	115°, 1200 sq. ft	32kHz	W
Protective Cage	ODCCG	—	—	W

Note: Canopy and neck allow the Wall-Mount Occupancy Sensor to be installed on the ceiling as well.

TESTING AND CODE COMPLIANCE

- cUL/US Certified
- Meets ASHRAE Standard 90.1 requirements

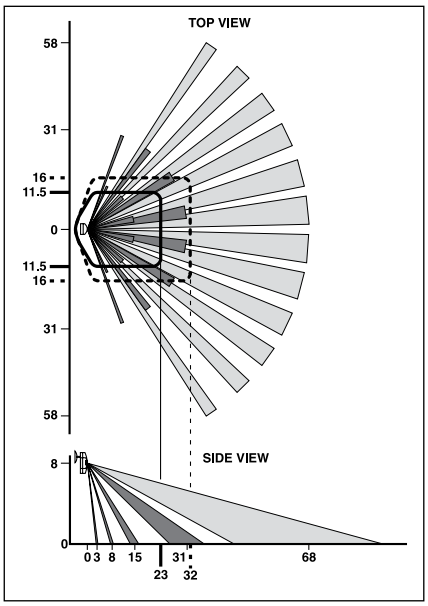
COLOR

To order colors, add suffix to catalog number as follows: White (-W)

Related Products

Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. OSP20 Power Pack, or OPB15 Power Base Adaptor (purchased separately).
See page 129 for more information on OSP20 and page 130 for more information on OPB15.

FIELD OF VIEW



Minor Motion, IR
Major Motion, IR
Minor Motion, Ultrasonic
Major Motion, Ultrasonic

OSW12-M0W
Field of View (in feet)

Wall-Mount Occupancy Sensor Lighting Controls

Specifications and Features

- OSWWV-I: Ideal for conference rooms, stairwells, high-ceiling rooms, large open areas, parking garages, storage rooms and rooms with pendant fixtures. Also ideal for corner mounting in a variety of applications.
- OSWHB-I and OSWLR-I: Ideal for monitoring long, narrow spaces such as warehouse aisles, hallways, stairways, any narrow room, closets and storage areas. Also ideal for corner mounting in a variety of applications.
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Ambient light override prevents lights from turning ON when there is ample natural light
- Adjustable swivel neck rotates 80° vertically and 60° horizontally—Can be used for ceiling or wall mounting
- Manual Delayed-OFF time settings of 30 seconds to 30 minutes
- Self-Adjusting Delayed-OFF time interval settings for 30 seconds to 30 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post
- Backed by a Limited Five-Year Warranty

INFRARED WIDE VIEW, HIGH-BAY AND LONG-RANGE WALL-MOUNT OCCUPANCY SENSOR

(For use with Leviton Power Pack or Power Base Adaptor)

Description	Cat. No.	Coverage	Color
Infrared Wide-View Wall-Mount Occupancy Sensor	OSWWV-I0W	115°, 2500 sq. ft	W
Infrared High-Bay Wall-Mount Occupancy Sensor	OSWHB-I0W @ 30 ft. high	55 ft., 7 ft. wide	W
Infrared Long-Range Wall-Mount Occupancy Sensor	OSWLR-I0W @ 10 ft. high	100 ft., 110°	W
Protective Cage	ODCCG	—	W



OSWHB-I0W

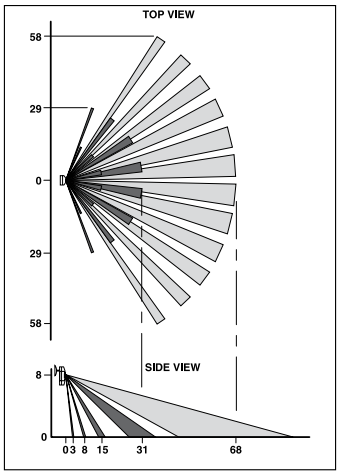
Canopy and neck allow the Wall-Mount Occupancy Sensor to be installed on the ceiling as well.

TESTING AND CODE COMPLIANCE
- cUL/US Certified
- Meets ASHRAE Standard 90.1 requirements
- California Title 24 Compliant

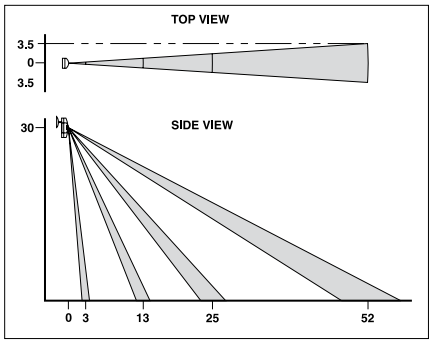
COLOR
To order colors, add suffix to catalog number as follows: White (-W)

FIELD OF VIEW

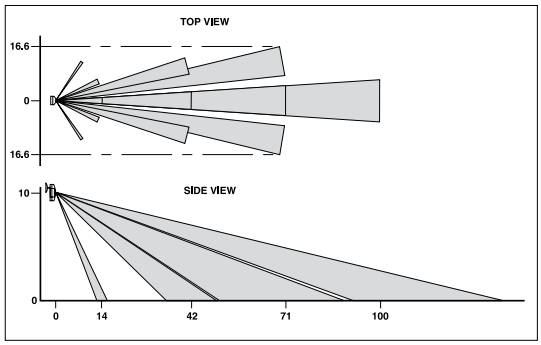
Minor Motion, IR
Major Motion, IR



OSWWV Field of View (in feet)



OSWHB Field of View



OSWLR Field of View

Occupancy Sensor Power Packs

Power packs provide power for occupancy sensors as well as load switching circuitry. A Leviton Power Pack is required with any low voltage occupancy sensor. Add-A-Relay units can be used to expand control capability.

Specifications and Features
- Backed by a Limited Five-Year Warranty

Power Pack
- For use with all OS Series occupancy sensors
- Power supply for OS Series occupancy sensors
- Switches incandescent, magnetic and electronic fluorescent, magnetic and electronic low voltage, and motor loads
- Auto-ON and manual-ON inputs for occupancy sensors (OSP20-RDH)
- Hold-ON and Hold-OFF capabilities (OSP20-RDH)
- Compact size and light weight allows easy mounting through knockout in junction box (from either inside or outside the box) with a simple twist-on nut

Add-A-Relay
- Expands power pack load capacity by functioning as a supplementary relay
- Provides ability to switch loads in different voltage systems
- Compatible with electronic ballasts
- Same compact size and mounting features as Power Pack

Nipple Adapter
- Simplifies the connection of occupancy sensor to the low-voltage side of a power pack mounted inside a fluorescent ballast cavity
- 1/2" conduit lock nut and low voltage threaded nipple adapter included

POWER PACKS AND ACCESSORIES

(For use with Leviton Occupancy Sensors)* UL CSA

Description	Cat.No.	Power Input	Relay Rating	Control Input	Power Supply Output
Power Pack	OSP20-0D0	120-220-277VAC, 50/60Hz	20A fluorescent/ incandescent @ 120V, 20A fluor. @ 277V; 1HP @120V, 2HP @ 240V	5mA, 24VDC	150mA, 24VDC
Power Pack with HVAC relay	OSP20-RD0	120-220-277VAC, 50/60Hz	20A fluorescent/ incandescent @ 120V, 20A fluor. @ 277V; 1HP @ 120V, 2HP @ 240V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC	5mA, 24VDC	150mA, 24VDC
Power Pack with HVAC relay	OSP15-R30	347VAC, 60Hz	15A fluorescent @ 347V; 1HP @ 120V, 2HP @ 240V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC	5mA, 24VDC	120mA, 24VDC
Add-A-Relay Unit with HVAC relay	OSA20-R00	—	15A incandescent @120V, 20A fluorescent @120V, 20A fluor. @ 277V, 15A fluor. @ 347V; HVAC: 0.5A @ 125VAC, 1A @ 30VDC	5mA, 24VDC	—
Power Pack with HVAC Relay with Auto-ON and Manual-ON Inputs for Occupancy Sensors	OSP20-RDH	120-230-277VAC, 50/60Hz	20A incandescent @ 120V, 20A fluor. @ 120-230-277/ 347VAC; 1/2HP @ 120V, 2HP @ 240-277V; HVAC: 0.5A @ 120VAC, 1A @ 30VDC	5mA, 24VDC	255mA, 24VDC

*Consult Factory for 208, 220, 230 and 240V models.



OSP20-RD0

Power Pack Capacity Formula

Leviton power packs can be used to provide power to one or more occupancy sensors. Since current consumptions of occupancy sensors may vary, the best way to ensure you order the correct number of power packs and Add-A-Relays is by using this formula:

Number of Model A sensors X Sensor A current consumption rating + **Number of Model B sensors X Sensor B current consumption rating** + **Number of Add-A-Relays X 50mA** **‹ 150mA per power pack**

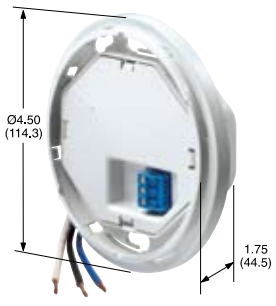
Sensor	Current Consumption
OSC04-I, OSC15-I, OSWHB-I, OSWLR-I, OSWWV-I	20mA
OSC05-M, OSC05-U, OSW12-M	30mA
OSC10-M, OSC10-U	30mA
OSC20-M, OSC20-U	40mA
OSA20-R00 Add-A-Relay	50mA

TESTING AND CODE COMPLIANCE
- CUL/US, FCC and NOM Certified
- Meets ASHRAE Standard 90.1 requirements

Self-Contained Power Base Adaptor

Converts any Leviton low voltage ceiling or wall-mount occupancy sensor to a self-contained, line voltage unit with 15A, 120/277V load capacity

Specifications and Features
- Ideal for lavatories, remodels, hard ceiling spaces, energy conservation retrofits and any installation with limited access for low-voltage wiring
- Patent-pending design converts Leviton low-voltage ceiling sensors to line voltage
- Ideal for both existing buildings with limited access to low-voltage wiring and new construction with line-voltage circuiting only
- Mounts easily in a standard 2.125" deep x 4" octagon or 2.125" deep x 4" square electrical box with a 2-gang mud ring; flying leads provide fast line voltage connections
- Two-piece terminal block provides fast, easy low-voltage connections to the sensor
- Relay uses zero-crossing circuitry for enhanced reliability and long-life operation
- Backed by a Limited Five-Year Warranty



OPB15-ODW

POWER BASE ADAPTOR

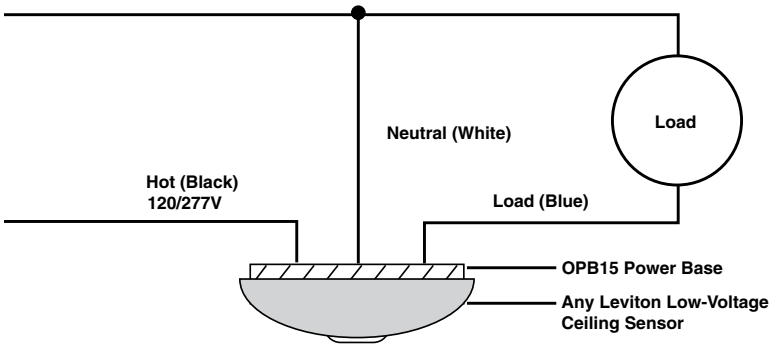
Description	Cat.No.	Power Input/Output	Rating	Color
Power Base Adaptor	OPB15-0DW	Power Input: 120-277VAC, 60Hz Control Output: 24VDC, 40mA	15A Incandescent, Electronic or Magnetic Fluorescent Ballast	W

TESTING AND CODE COMPLIANCE
- NOM Certified

MATERIAL CHARACTERISTICS
- Operating Temperature: 0°C to 55°C
- Storage Temperature: -10°C to 80°C
- Relative Humidity: 20% to 90% non-condensing

COLOR
To order colors, add suffix to catalog number as follows: White (-W)

WIRING DIAGRAMS



OPB15-0DW Power Base Adaptor Wiring Diagram

Outdoor Motion Sensors

Passive Infrared (PIR) outdoor motion sensors provide outstanding value in security lighting, convenience, safety and energy savings for a wide range of commercial and residential applications.

Specifications and Features

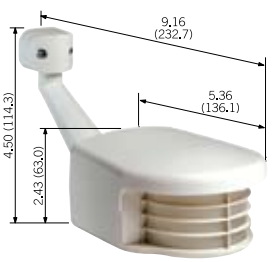
Professional Series

- Ideal for a wide range of commercial/industrial settings including parking areas, storage facilities, warehouses, loading docks, marina, garages, walkways, campus grounds, and outbuildings
- Adjustable Delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Adjustable sensitivity and immunity to RFI signals reduces false triggers
- Ambient light override prevents lights from turning ON when there is ample natural light
- Provides Automatic, Test and Continuous Modes—Test mode simulates automatic operation with short delayed-OFF time for ease of making adjustments. Continuous mode enables manual override for constant "lights ON" operation (when used with standard ON/OFF switch)
- Surge suppression minimizes likelihood of damage due to electrical surges
- Temperature compensation feature ensures uniform performance in extreme hot or cold weather and during temperature fluctuations
- Sensor neck adjustment allows accurate area monitoring: 110° vertical, 180° horizontal, 110° rotational
- Backed by a Limited Five-Year Warranty

PROFESSIONAL SERIES INFRARED OUTDOOR OCCUPANCY SENSOR

Description	Cat. No.	Rating	Coverage	Color
Professional Series Outdoor 200° Field of View	PS200-10	Incandescent: 1000W @ 120V. For 60Hz AC only	—	W
200° Field of View	PS200-1F	Incandescent: 1000W @ 120V. For 60Hz AC only	—	W
Professional Series Outdoor 110° Field of View	PS110-10	Incandescent: 1000W @ 120V. For 60Hz AC only	—	W
Professional Series Outdoor 110° Field of View	PS110-1F	Incandescent: 1000W @ 120V. For 60Hz AC only	—	W

Continued On Next Page >



PS200-10W

Commercial Grade

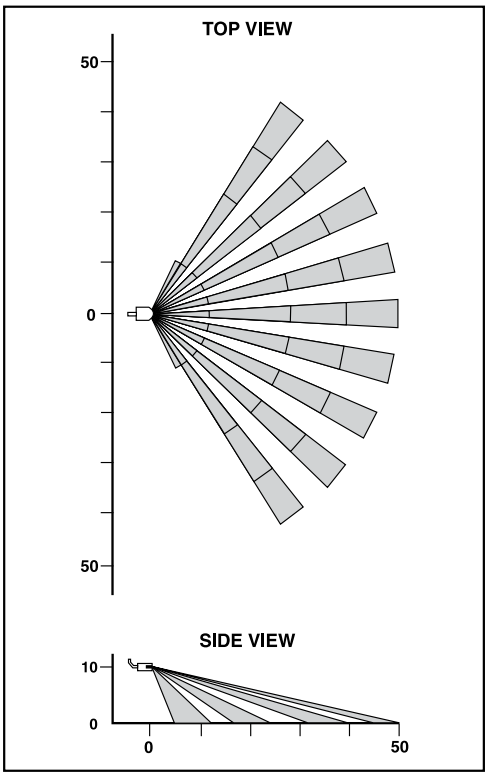
Continued From Previous Page >

Description	Cat. No.	Rating	Coverage	Color
Outdoor PIR Motion Sensor	PS200-70	277VAC, 50/60Hz. 10A incandescent, 5A ballasts.	200°	W
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	PS200-7F	277VAC, 50/60Hz. 10A incandescent, 5A ballasts.	200°	W
Outdoor PIR Motion Sensor	PS200-40	220-240VAC, 50/60Hz. 10A incandescent, 5A ballasts.	200°	W
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	PS200-4F	220-240VAC, 50/60Hz. 10A incandescent, 5A ballasts.	200°	W
Outdoor PIR Motion Sensor	PS110-70	277VAC, 50/60Hz. 10A incandescent, 5A ballasts.	110°	W
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	PS110-7F	277VAC, 50/60Hz. 10A incandescent, 5A ballasts.	110°	W
Outdoor PIR Motion Sensor	PS110-40	220-240VAC, 50/60Hz. 10A incandescent, 5A ballasts.	110°	W
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	PS110-4F	220-240VAC, 50/60Hz. 10A incandescent, 5A ballasts.	110°	W

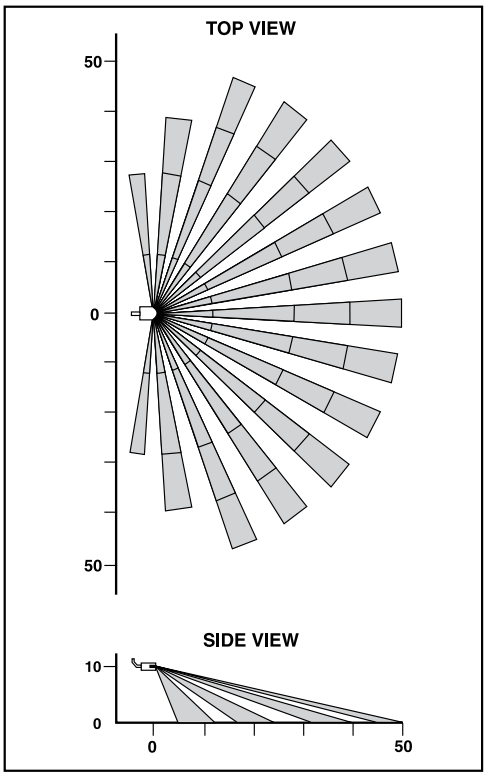
TESTING AND CODE COMPLIANCE
- CUL/NS, FCC and NOM Certified
- Meets ASHRAE Standard 90.1 requirements

COLOR
To order colors, add suffix to catalog number as follows: White (-W)

FIELD OF VIEW



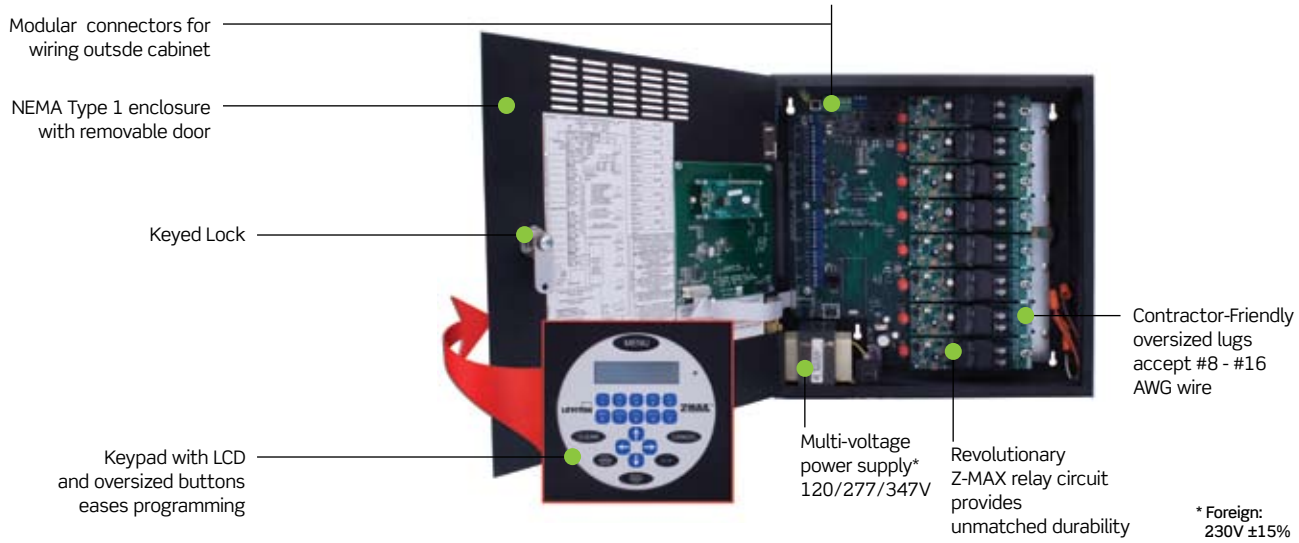
PS110/RS110
Field of View (in feet)



PS200
Field of View

EZ-MAX™ Plus Relay Control Panels

EZ-MAX™ Plus relay lighting control panels combine the power and performance of the larger Z-MAX™ Plus relay lighting control panels in compact and cost-effective 4/8-circuit and 16/24-circuit models. EZ-MAX Plus is the ideal solution for smaller, stand-alone applications that do not require the field configuration or advanced networking features of the larger Z-MAX Plus panels. For maximum equipment protection, the standard 30A relay card has a short circuit current rating (SCCR) of 18,000A to allow it to withstand higher current inrushes caused by short circuit conditions. Low-voltage inputs allow connection of photocells, occupancy sensors, low-voltage switches and digital switches for a comprehensive yet easily installed energy management solution.



Specifications and Features

- Easy programming alternatives:
  - Off-line editor for easy programming (Visual Programmer 4.0 included)
  - Large, bright LCD screen with oversize buttons for easy programming
- Easy standard programming configuration
  - Occupancy sensors: manual-ON or auto-ON applications
  - Photocells: interior or exterior application modes
  - Photocell light level trip points: on or off
- Built-in astronomical time clock
  - 101 major cities and states programmed for easy astronomical setup
- Time clock and scheduler
- Sunrise/sunset time clock events
- Auto-detection/auto-assign of installed network switches
- Enable/disable of low-voltage and digital input devices minimizes power consumption
- Optional touch-tone control
- Optional modem configuration and control
- Clearly labeled Access points allow installer to locate optimum knock-out locations
- Two-Year Warranty on Panels
- Ten-Year Warranty on Relay Cards

Applications

- Smart replacement for time clock/contactor installations
- Low-voltage control
- Site lighting
- Daylight harvesting
- Occupancy sensor integration
- Parking garage/parking lot lighting
- Any application requiring reliable and cost-effective automatic lighting control



R08BD – Panel

ORDERING INFORMATION

Description	Cat. No.
EZ-MAX Plus 8 Panel, 120V, 277V, and 347V, No Relays	R08BD-000
EZ-MAX Plus 8 Panel, 120V, 277V, and 347V, (4) 30A (NO/NC) Relays	R08BD-L04
EZ-MAX Plus 8 Panel, 120V, 277V, and 347V, (8) 30A (NO/NC) Relays	R08BD-L08
EZ-MAX Plus 8 Panel, 120V, 277V, and 347V, (8) 2-pole (NO) Relays	R08BD-208
EZ-MAX Plus 24 Panel, 120V, 277V, and 347V, No Relays	R24BD-000
EZ-MAX Plus 24 Panel, 120V, 277V, and 347V, (16) 30A (NO/NC) Relays	R24BD-L16
EZ-MAX Plus 24 Panel, 120V, 277V, and 347V, (24) 30A (NO/NC) Relays	R24BD-L24
EZ-Max Plus 24 Panel, 120V, 277V, and 347V, (16) 2-Pole (NO) Relays	R24BD-216
EZ-MAX Plus 24 Panel, 120V, 277V, and 347V, (24) 2-Pole (NO) Relays	R24BD-224
EZ-MAX Plus 8 Panel, 230V, No Relays	R08BF-000
EZ-MAX Plus 8 Panel, 230V, (4) 30A (NO/NC) Relays	R08BF-L04
EZ-MAX Plus 8 Panel, 230V, (8) 30A (NO/NC) Relays	R08BF-L08
EZ-MAX Plus 8 Panel, 230V, (8) 2-Pole (NO) Relays	R08BF-208
EZ-MAX Plus 24 Panel, 230V, No Relays	R24BF-000
EZ-MAX Plus 24 Panel, 230V, (16) 30A (NO/NC) Relays	R24BD-L16
EZ-MAX Plus 24 Panel, 230V, (24) 30A (NO/NC) Relays	R24BD-L24
EZ-MAX Plus 24 Panel, 230V, (16) 2-pole (NO) Relays	R24BD-216
EZ-MAX Plus 24 Panel, 230V, (24) 2 Pole (NO) Relays	R24BD-224

RELAY CARDS

Description	Cat. No.
1-Pole N/O or N/C Relay Card, 30A, 120-277V	RELAY-030
1-Pole N/O or N/C Relay Card with Handle, 30A, 120-277V	RELAY-L30
2-Pole, N/O Relay Card, 20A, 208-480V	RELAY-2PL
1-Pole N/C Relay Card, 20A, 120-277V	RELAY-1NC
2-Pole N/C Relay Card, 20A, 208-480V	RELAY-2NC
347V Relay Card, 20A, 347V	RELAY-347
Latching Relay Card, 20A, 347V	RELAY-LAT

TESTING AND CODE COMPLIANCE

- Listings for 120, 277 and 347V Panels
  - UL and C-UL Listed Industrial Control Equipment and Emergency Lighting Equipment
  - ASHRAE 90.1 compliant
  - CEC Title 24 compliant

Z-MAX Digital and Low Voltage Switch Stations

The Z-MAX system can incorporate either digital or low-voltage stations. Although they look identical, there are a few differences in how they operate. Both contain buttons that are programmable to a variety of functions and custom labels are available.

Specifications and Features

- Available in 8 configurations
- Programmable functions include: on, off, and group and scene select
- Compatible with standard and midway size Decora® wallplates
- Custom labeling available; contact a factory representative

Digital Station

- Wired via Luma-Net® to compatible products including D4200, D8000, a-2000, i Series e, i Series Quad, and Z-MAX Relay Cabinets
- Networks with up to 127 devices
- Compatible with handheld IR remote control

Low-Voltage Station

- Compatible with EZ-MAX and Z-MAX Relay Cabinets, MDS cabinets, a-2000 cabinets (with analog card), network protocol converter, and other low-voltage devices
- Cat. No. LV240 for use with miniZ Intelligent Daylight Management System, Z-MAX and EZ-MAX
- Cat. No. LV200 for use with miniZ Intelligent Daylight Management System only

Warranty

- Limited Two-Year Warranty

Z-MAX SWITCH STATIONS

Description	Cat. No.* Digital Switch	Cat. No.** Low Voltage Switch	Color
On/Off switch	zmdsw-01w	lvs-01w	White
Zones 1 and 2	zmdsw-02w	lvs-02w	White
Zones 1 to 3	zmdsw-03w	lvs-03w	White
Zones 1 to 4	zmdsw-04w	lvs-04w	White
Zones 1 to 5	zmdsw-05w	lvs-05w	White
Zones 1 to 6	zmdsw-06w	lvs-06w	White
Zones 1 to 8	zmdsw-08w	lvs-08w	White
Zones 1 to 10	zmdsw-10w	lvs-10w	White

Note: Wallplate sold separately
*Support network and master Z-MAX versions only
**Support EZ-MAX and Z-MAX stand-alone and slave versions only



ZMDSW-03W

Commercial Grade

GreenMAX™ Relay Control Panels

Leviton GreenMAX Relay Control Panels offer features and performance not available from any product on the market today. For increased reliability and durability, GreenMAX Cabinets and Relay Modules have a 24,000A @ 277VAC Short Circuit Current Rating (SCCR). Native communication network protocols – BACnet, Ethernet, and LumaCAN – are built into each GreenMAX Command Module (processor and power supply) to offer unparalleled connectivity. No additional parts or SKUs are needed to communicate with other products utilizing different protocols. For increased flexibility, the modular GreenMAX system includes separate Cabinet enclosures, Command Modules, Relay Insert Panels, Relay Modules, and a recommended Handheld Display Unit (HDU).

For easier manageability and accessibility, Leviton ships empty Cabinet enclosures separately from the electronic components. This makes the Cabinets lighter and easier to handle and requires less effort to install. The empty Cabinet also provides unobstructed access to conduit entry points and reduces the risk of damaging the electronics. Remote Low Voltage Cabinets allow the connection points of the low voltage wiring enclosure to be installed closer to the devices it controls, making commissioning and trouble-shooting easier. To further minimize handling and damage to the electronic components, Leviton ships the Command Modules (processor and power supply), Relay Insert Panels, and Relay Modules later in the project schedule.

All GreenMAX Relay Modules are 1-Pole or 2-Pole latching relay types that reduce parasitic energy use. The Relay Modules are the same physical size, allowing the optimal mix of relays to be customized for each application. Models include a basic control relay module, a voltage and current sensing relay module that can determine the actual load usage of the individual circuit, and a self-contained dimming and sensing relay module that features daylight harvesting capabilities.

A Handheld Display Unit (HDU) can be detached from the cabinet mounting location and moved to the most convenient network connection point to connect to any open LumaCAN port or live Ethernet Port on the same network as the Cabinets. Commissioning and start-up functions are easier with the HDU, which allows programming to be done in the space being controlled rather than the electrical room.

Designed with the contractor, specifier, and end user in mind, GreenMAX systems are easy to specify, order, install, program, and modify. Save on labor and energy with GreenMAX – built for the industry, by the industry.



GreenMAX Handheld Display Unit (HDU)



GreenMAX Cabinet

GreenMAX™ Relay Control Panels

Specifications and Features

Cabinet

- GreenMAX Cabinet has a 24,000A @ 277VAC Short Circuit Current Rating (SCCR) for increased reliability and durability
- Modular system includes separate empty Cabinet enclosures, Command Modules, and Relay Insert Panels to minimize handling and subsequent damage during installation
- Cabinet enclosure can be shipped empty to the jobsite
- Command Modules are the processor and power supply of GreenMAX and includes a low voltage Remote Input Card for optional devices; for example, the low voltage Remote Input Card can be combined with LevNet RF products to create a wireless hybrid system of inputs
- Relay Insert Panels feature hooks that insert into the cabinet; each panel takes only two screws to install
- Native communication network protocols – BACnet, Ethernet, and LumaCAN – are built into each Command Module to offer unparalleled connectivity; no additional parts or SKUs are needed to communicate with other products utilizing different protocols
- Remote Low Voltage Cabinets can be installed closer to the devices it serves to reduce wiring and labor; this also makes commissioning and troubleshooting easier
- Increased arc flash protection – the cabinet door opens to expose only the low voltage area of the cabinet
- High voltage areas can be accessed by removing the wire-way covers – this requires the removal of retaining screws
- Wire-way covers can be quickly removed and replaced
- Door lock cannot be defeated by unscrewing cover

Relay Modules

- All GreenMAX relay modules have a 24,000A @ 277VAC Short Circuit Current Rating (SCCR) for increased reliability and durability
- All relays are latching relays to reduce parasitic energy waste over NO/NC relays
- 30A ballast rating on all GreenMAX relays
- Manual actuation lever on all GreenMAX relays allow users to manually bypass the system to turn lights on or off without a CPU or power
- Current and voltage sensing relay module in 1-pole and 2-pole configurations allow “smart metering” at the circuit level to alert the user that a device is not working properly
- Self-contained dimming and sensing relay module in 1-pole configurations features daylight harvesting capabilities
- Change of state confirmation – relays report positional information to the processor; if the relay changes position by either the manual actuator or other means, the positional discrepancy will be reported to the Handheld Display Unit (HDU)

Handheld Display Unit (HDU)

- Manage the systems remotely without being in the electrical room
- System configuration and scheduling is performed via the HDU – this can be done while standing in the room or controlled space; programming is no longer confined to the electrical room
- Control entire GreenMAX system from any access point – relay cabinets, switches, or Remote Low Voltage Cabinets
- Provides interface with all devices and relays in the system
- One HDU can be used for multiple systems
- Can be stored in the cabinet or designated docking station
- Communicate via LumaCAN or Ethernet

Ideal for Use In

Heavy retrofit applications, new construction, hospitals, offices buildings, medical offices, universities, labs, restaurants, government facilities, and any other location where centralized lighting control, programming, and monitoring are required.

GreenMAX™ RELAY CONTROL PANELS

Description	Cat. No.
Tubs and Covers (all Cabinets are surface mount with a locking door)	
GreenMAX Relay Cabinet, 16-Relay Size, NEMA 1	R16TC-100
GreenMAX Relay Cabinet, 32-Relay Size, NEMA 1	R32TC-100
GreenMAX Relay Cabinet, 48-Relay Size, NEMA 1	R48TC-100
GreenMAX Relay Cabinet, 16-Relay Size, NEMA 3R	R16TC-300
GreenMAX Relay Cabinet, 32-Relay Size, NEMA 3R	R32TC-300
GreenMAX Relay Cabinet, 48-Relay Size, NEMA 3R	R48TC-300
Command Modules (includes Power Supply and Main Processor Unit)	
Main Command Module, 100-277VAC	RPM00-100
Main Command Module, with an 8-port Low Voltage Input Card, 100-277VAC	RPM08-108
Main Command Module, with a 16-port Low Voltage Input Card, 100-277VAC	RPM16-116
Main Command Module, Firmware Update	RPM00-200
Panel Interiors (all panels are 16-position, rated 30A, 120-230-277/347VAC, 50/60Hz)	
Relay Insert Panel without relays	R1600-000
Relay Insert Panel with (16) 1-pole N/C basic relays without sensing	R1616-1CB
Relay Insert Panel with (16) 1-pole N/C relays with voltage and current sensing	R1616-1CS
Relay Insert Panel with (16) 1-pole Dimming and Switching relays with voltage and current sensing	R1616-1DS
Relay Insert Panel with (16) 1-pole relays without sensing	R1616-1TB
Relay Insert Panel with (16) 1-pole relays with voltage and current sensing	R1616-1TS
Relay Insert Panel with (16) 2-pole N/C relays without sensing	R1616-2CB
Relay Insert Panel with (16) 2-pole N/C relays with voltage and current sensing	R1616-2CS
Relay Insert Panel with (16) 2-pole relays without sensing	R1616-2TB
Relay Insert Panel with (16) 2-pole relays with voltage and current sensing	R1616-2TS
Handheld Display Unit (HDU)	
Handheld Display Unit, mount in cabinet only	RHDU1-000
Handheld Display Unit, with docking station	RHDU2-000
Remote Inputs with Power Supply (all remote inputs are rated 100-277VAC)	
Remote Low Voltage Input Cabinet, 8 Inputs, NEMA 1 enclosure	RLV08-110
Remote Low Voltage Input Cabinet, 16 Inputs, NEMA 1 enclosure	RLV16-110
Remote Low Voltage Input Cabinet, 8 Inputs, NEMA 3R enclosure	RLV08-130
Remote Low Voltage Input Cabinet, 16 Inputs, NEMA 3R enclosure	RLV16-130
Relays (all relays are rated 30A, 120-230-277/347VAC, 50/60Hz)	
GreenMAX Latching Relay, 1-pole N/C basic without sensing	RELAY-1CB
GreenMAX Latching Relay, 1-pole N/C with voltage and current sensing	RELAY-1CS
GreenMAX Latching Relay, 1-pole Dimming and Switching with voltage and current sensing	RELAY-1DS
GreenMAX Latching Relay, 1-pole without sensing	RELAY-1TB
GreenMAX Latching Relay, 1-pole with voltage and current sensing	RELAY-1TS
GreenMAX Latching Relay, 2-pole N/C without sensing	RELAY-2CB
GreenMAX Latching Relay, 2-pole N/C with voltage and current sensing	RELAY-2CS
GreenMAX Latching Relay, 2-pole without sensing	RELAY-2TB
GreenMAX Latching Relay, 2-pole with voltage and current sensing	RELAY-2TS
Firmware Module	
GreenMAX Firmware Module Release 1	RFIRM-100

miniZ™ Intelligent Daylight Management System

miniZ combines occupancy sensing, daylight harvesting and flexible lighting control functions into a single, easily installed package. miniZ features several methods of ladderless commissioning, including the AutoCal™ feature, the world's first 100% self-configuring daylight harvesting system. Installation requires little more than any other power-pack type product. The performance features and capabilities of the miniZ product provide a package that surpasses all others in the industry at a price anyone can afford.

miniZ™ Intelligent Daylight Management System

20A output relays (120/277V); 15A output relays (347V); Fluorescent, non-dimmed and 1-10V dimmed (0,2 or 3 zones); 120mA/24V output for operation of occupancy sensors, etc.

Dual Room miniZ™ Intelligent Daylight Management System

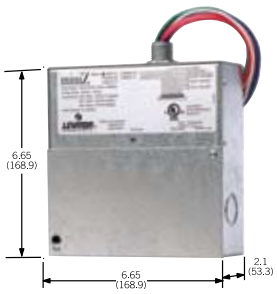
The dual room miniZ offers the same performance features as the miniZ, but instead of working in one room using one photocell to control three zones, it provides dual room/ one zone per room daylight harvesting control using a separate photocell and occupancy sensor for each room.

Specifications and Features

- Automatic Correction setting for Light Loss Factor (LLF) recognizes and corrects for lumen maintenance issues
- Cost-effective energy code compliance
- Ladderless Commissioning™ provides install-and-forget convenience
- Automatic closed-loop, multi-zone daylight control
- Convenient occupancy sensor and photocell integration
- Simplified daylight harvesting with 3% to 100% dimming capabilities (0-10V fluorescent dimming ballasts required)
- Autocal™ (patent pending) automatic photocell calibration
- Accepts external time clock inputs
- Simplified integration with emergency and building automation systems
- Automatic Daylight Harvest Mode provides optimum lighting output for additional energy savings potential
- Daylight switching full range 0-10V dimming and network models available
- Cost effective energy code compliance
- Accepts external time clock inputs
- Closed loop or open loop daylight control
- Isolated contacts for HVAC relay
- miniZ works in one room using one photocell and occupancy sensor to control three zones
- Dual Room miniZ controls one zone per room using a separate photocell and occupancy sensor for each room
- Limited Two-Year Warranty

Network Features

- Luma-CAN® Network support
- Network digital switch support
- Z-MAX master/slave network participation
- Remote shared network inputs
- Scalable system expansion



miniZ/ Dual Room miniZ

miniZ™ INTELLIGENT DAYLIGHT MANAGEMENT SYSTEM

Cat. No.	20A Power Circuits	0-10V Dimming Circuits	Control Input Voltage	Network Functionality
MZB00-102	2	0	120/277VAC	No
MZD20-102	2	2	120/277VAC	No
MZD30-101	1	3	120/277VAC	No
MZN20-102*	2	2	120/277VAC	Yes
MZN30-101*	1	3	120/277VAC	Yes
MZB00-C02	2	0	220/347VAC	No
MZD20-C02	2	2	220/347VAC	No
MZD30-C01	1	3	220/347VAC	No
MZN20-C02*	2	2	220/347VAC	Yes
MZN30-C01*	1	3	220/347VAC	Yes

*Consult with factory for availability.

DUAL ROOM miniZ™ INTELLIGENT DAYLIGHT MANAGEMENT SYSTEM

Cat. No.	20A Power Circuits	0-10V dimming Circuits	Control Input Voltage	Network Functionality
MZB02-102	2	0	120/277VAC	No
MZD22-102	2	2	120/277VAC	No
MZN22-102*	2	2	120/277VAC	Yes
MZB02-C02	2	0	220/347VAC	No
MZD22-C02	2	2	220/347VAC	No
MZN22-C02*	2	2	220/347VAC	Yes

*Consult with factory for availability.



LVS-03W

miniZ™ LOW-VOLTAGE SWITCH STATIONS

Description	Cat. No.	Color
5-Button dimming controller with On/Off, for use with miniZ only	LV200-00W	White
On/Off switch controller for use with miniZ, Z-MAX and EZ-MAX	LV240-00W	White

Dimensions: 4.71 (119.7) H x 1.76 (44.7) W x 1.26 (32.0) D for Switch Stations

TESTING AND CODE COMPLIANCE

- UL and cUL Listed
- CEC Title-24 Listed

Sector Intelligent Ballast and Lighting Control System

The Sector Intelligent Ballast and Lighting Control System line combines occupancy sensing, daylight harvesting and flexible dimming lighting control in one conveniently integrated system to easily save time, money and energy. This topology-free, polarity-free system allows the entire network to be installed using the same wiring for all components and accessories making it one of the easiest lighting control systems to install. All components are on a single bus, with accessories connected to the network, not the ballast. The Sector family of products provides a scalable solution that offers maximum flexibility and coverage in any application – from a single room to a campus of buildings in retrofit or new construction projects.

Specifications and Features

Sector Intelligent Lighting Control System

- Topology free
- Polarity free – Class 1 and Class 2 Wiring/standard building wiring in same conduit as power wiring
- No special terminations or installation requirements
- Personal workspace lighting control from user's desktop for user comfort
- Easy to commission – ultimate flexibility in design, installation, and configuration using a drag and drop GUI interface with Illustrator layout tool
- Easy to design, easy to install and easy to maintain

Ideal for Use In

Hospitals, offices buildings, medical offices, universities, labs, restaurants, government facilities, and any other location that could benefit from the cost savings and energy efficiency of a controlled lighting environment.

Sector Component Features

Sector Intelligent Dimming Fluorescent Ballasts



- Intelligent dimming offers higher energy savings and increased flexibility than traditional switching
- Dimming fluorescent ballasts allow 100% to 1% dimming capabilities
- Ballasts have a patent-pending addressable labeling system for easy programming and personal lighting control

Sector Network Bus Controller



- Contains the brain and power supply for the Sector system in one component
- Controls a maximum of 64 devices on a system with the ability to expand and include a maximum of 253 systems

Sector Network Occupancy Sensors





- Turns lights ON/OFF based on vacancy or occupancy
- Multi-technology and Infrared models available
- Self-adjusting settings continuously analyze and adjust sensitivity, timer operation, and long-term performance – reducing user complaints

Sector Network Photocell



- Daylight harvesting capabilities
- Offers consistent lighting at desired level for greater visual comfort

Sector Network digital Switch



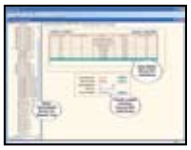
- User controls desired light level at the push of a button (ON, MAX, BRIGHT, DIM, OFF)

Sector Handheld Remote



- User controls desired light level at the push of a button (ON, MAX, BRIGHT, DIM, OFF)

SectorNET Software

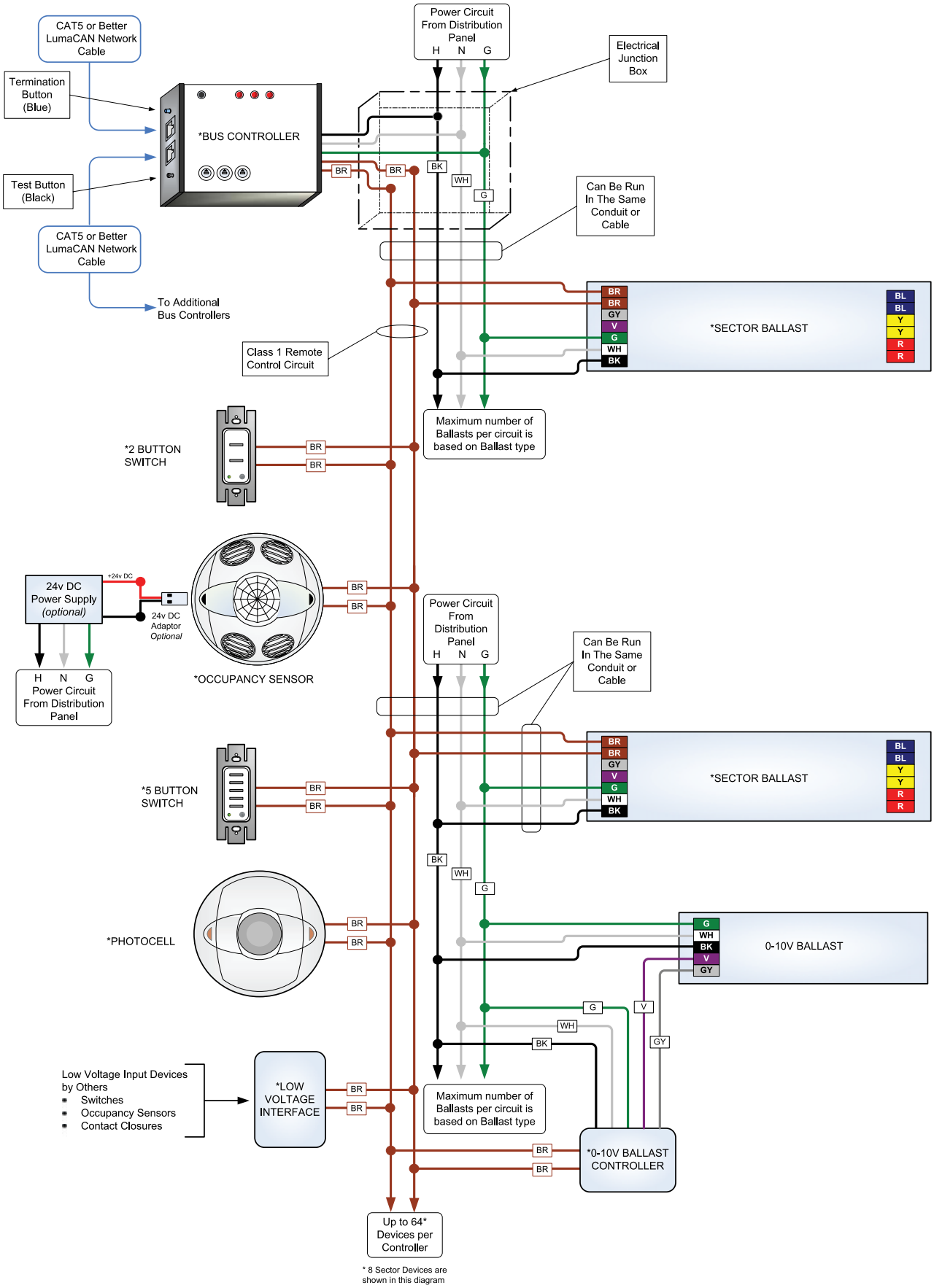






- Personal Dimming Option (PDO): individual control for the lights above a user's workspace right from their desktop PC
- Central control: facility personnel and lighting administrators can re-configure control as needed with drag and drop GUI interface with Illustrator layout tool
- A computer is needed to initially configure the system; once the system is configured, Sector can be ran as an independent system
- Commissioning: quickly associates fixtures to Sector devices for easy configuration

Commercial Grade



SECTOR COMPONENTS

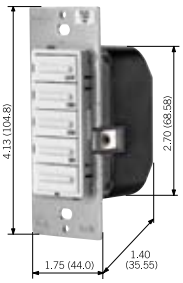
Description	Cat. No.
Sector Dimming Ballast, T8, 9.5" A-CAN (1 Lamp, 17W Linear or U-bent)	SD1F8-17M
Sector Dimming Ballast, T8, 9.5" A-CAN (1 Lamp, 25W Linear or U-bent)	SD1F8-25M
Sector Dimming Ballast, T8, 9.5" A-CAN (1 Lamp, 32W Linear or U-bent)	SD1F8-32M
Sector Dimming Ballast, T8, 16.5" B-CAN (1 Lamp, 17W Linear or U-bent)	SD1J8-17M
Sector Dimming Ballast, T8, 16.5" B-CAN (1 Lamp, 25W Linear or U-bent)	SD1J8-25M
Sector Dimming Ballast, T8, 16.5" B-CAN (1 Lamp, 32W Linear or U-bent)	SD1J8-32M
Sector Dimming Ballast, T8, 9.5" A-CAN (2 Lamps, 17W Linear or U-bent)	SD2F8-17M
Sector Dimming Ballast, T8, 9.5" A-CAN (2 Lamps, 25W Linear or U-bent)	SD2F8-25M
Sector Dimming Ballast, T8, 9.5" A-CAN (2 Lamps, 32W Linear or U-bent)	SD2F8-32M
Sector Dimming Ballast, T8, 16.5" B-CAN (2 Lamps, 17W Linear or U-bent)	SD2J8-17M
Sector Dimming Ballast, T8, 16.5" B-CAN (2 Lamps, 25W Linear or U-bent)	SD2J8-25M
Sector Dimming Ballast, T8, 16.5" B-CAN (2 Lamps, 32W Linear or U-bent)	SD2J8-32M
Sector Bus Controller/Power Supply	SBP00-00M
Sector Multi-Technology Occupancy Sensor, 2000SF	OSC20-MSW
Sector Infrared Occupancy Sensor, 450SF	OSC04-ISW
Sector Photocell	ODC0P-0SW
Sector 5-Button Digital Switch	SDS00-15W
Sector Handheld Infrared Remote Controller	SHH00-000
SectorNET USB-to-LumaCAN Adapter	SLM00-000
SectorNET Administrative Software (included with SLM00-000)	SLF00-000
SectorNET Client Software (included with SLM00-000)	SLFPD-000
Sector 4-Module Enclosure (to hold a maximum of 4 Bus Controllers (SBP00-00M)	SEN04-000

Decora® Preset Timer Switches

Leviton Timers add contemporary styling to any home. Built to the highest performance standards, Decora® Preset Timers provide a long lasting and reliable service life. Four preset buttons plus an OFF button permit timed control of lights and appliances. Decora Timers are ideal for heat lamps, foyers, outdoor lights, hot tubs, spas, saunas and attic exhaust fans.

Specifications and Features

- Green LEDs indicate time elapsed
- 4 preset timeout options
- Simple Press-and-Hold override
- Limited Five-Year Warranty
- Adjustable timeouts (on select models)



LTB30-1L

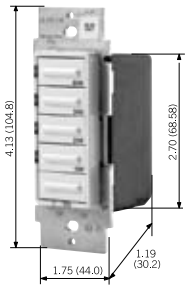
ELECTRONIC TIMER SWITCHES

Commercial Grade

Description	Cat. No.	Color
Four preset buttons and OFF, Single pole & 3-way with Vizia + Switch Remote, neutral required, 1800W Incandescent, 20A inductive, 1 HP @ 120VAC. Compatible with electronic ballasts.		
2-5-10-15 minutes	LTB15-1L	z
5-10-15-30 minutes	LTB30-1L	z
10-20-30-60 minutes	LTB60-1L	z
2-4-8-12 hours	LTB12-1L	z
1/4 - 1/2, 1, 2 hours	LTB02-1L	z
5-Button Timer Color Change Kit	LTBKT	W, I, T, E, B

Residential Grade

Description	Cat. No.	Color
Four preset buttons and OFF, Single pole, 600W incandescent, 120VAC		
5-10-15-30 minutes	LTT30-1L	z
10-20-30-60 minutes	LTT60-1L	z



LTT6--1L

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-328809)
- CSA Certified (File #MC-152105)
- NOM Certified
- Meets ASHRAE Standard 90.1 requirements

MATERIAL CHARACTERISTICS

Environmental Flammability UL-94, V2 Rating
Operating Temperature 0°C -40°C

COLOR

To order colors, add suffix to catalog number as follows: Z includes White, Ivory and Light Almond. Color Change Kits available in the following colors: White (-W), Ivory (-I), Light Almond (-T), Black (-E) and Brown (-B)



LTBKT

Decora® Programmable Digital Timer Switches

Specifications and Features

Vizia +® 24-Hour Programmable Timer

- Ideal for a wide variety of light commercial and residential applications including indoor/outdoor lighting, fans and pool filters
- Astronomical clock automatically adjusts to local sunrise/sunset times
- Automatic daylight savings time option
- To-the-minute programming settings
- Easy-to-see timer at a glance with Backlit LCD Display
- Simple One-touch temporary and permanent override
- Single pole and 3-way
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Five-Year Warranty

14-Hour Programmable Timer

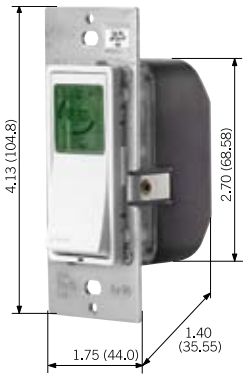
- Ideal for residential lighting control including indoor, outdoor and seasonal lighting
- Automatic daily control with manual override offers convenience
- Automates daily switching program (up to 14 hours) by responding to DIP switch ON or OFF position for each hour; repeats until function switch is moved to MANUAL or OFF mode
- Limited Two-Year Warranty

Countdown Timer Switch

- For residential and light commercial applications including indoor and outdoor lighting, office lights and ceiling fans
- Simple rotary dial time selection of settings from one minute to 18 hours. ON/OFF manual control available
- An illuminated green LED indicates load is ON. Blinking LED accompanied by annunciator sound indicates end of time cycle
- Limited Five-Year Warranty

PROGRAMMABLE ELECTRONIC TIMER SWITCHES

Description	Cat. No.	Rating	Color
24-Hour Programmable Timer Switch; Astronomical Clock, Backlit LCD Display with Timer Settings at a glance; neutral required	VPT24-1P	1800W Incandescent, 15A Resistive/Inductive 1 HP @120VAC 60Hz UL	Z
Vizia + 24-Hour Timer Color Change Kit	VPTKT		W, I, T, G, E, B
14-Hour Segment Programmable Timer Switch, ON/OFF scheduling in hourly intervals	6651	500W Incandescent, @120VAC	W, I, A
Variable Countdown Timer Switch, 1 minute to 18 hour intervals; neutral required	6652	500W Incandescent, 500VA rapid start magnetic ballasts only 1/6 HP @ 120VAC 60Hz	W, I, A



VPT24-IP

TESTING AND CODE COMPLIANCE
- VPT24 UL Listed (File #E-328809)
- 6651 and 6652 UL Listed (File #E-148771)
- CSA Certified (File #MC-152105)

MATERIAL CHARACTERISTICS
Operating Temperature 0°C to 40°C

COLOR
To order colors, add suffix to catalog number as follows: Z includes White (-W), Ivory (-I) and Light Almond (-T)
Color Change Kits available in the following colors: White (-W), Ivory (-I), Light Almond (-T), Grey (-G), Black (-E) and Brown (-B)

Decora® Occupancy Sensor Controls: Indoor Wall Switches

Following the Decora tradition of stylish practicality, these occupancy sensors have attractive yet unobtrusive housings, excellent sensitivity and ample fields of view. They function as wall switches and cover a range of room sizes.

Passive Infrared (PIR)

Infrared occupancy sensors are passive devices designed to detect the movement of heat-emitting bodies. They are installed to monitor areas where there are no physical obstructions to block the sensor's field of view. HOW IT WORKS: People naturally emit a small amount of infrared heat. As a person passes through the field of view, the sensor detects the motion as a change in the infrared background and responds by switching on area lights. After the field of view is unoccupied for a user-defined delayed off time, the sensor will automatically turn off the lights.

Specifications and Features

Decora Wall Switch PIR Occupancy Sensors (PR150 and PR180)

- PR150 with 150° field of view and 350 sq. ft. of coverage is perfect for use in residential applications
- PR180 with 180° field of view and 400 sq. ft. of coverage is perfect for use in large rooms, home offices and a variety of light commercial and residential applications
- Ambient light override prevents these devices from switching lights ON when there is ample natural sunlight
- Manual override available for use as a standard ON/OFF switch
- Adjustable delayed OFF time interval (15 seconds to 15 minutes)
- Limited Two-Year Warranty

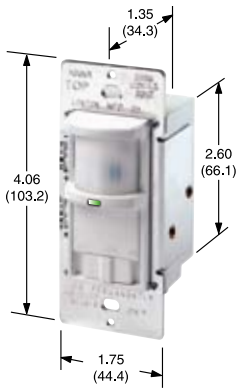
Decora Manual-ON Occupancy Sensors (IPP15 and IPP0R)

- Manual-ON/automatic OFF operation in accordance with California Title 24 2005 requirements
- 180° field of view and 900 sq. ft. of coverage is perfect for use in bathrooms, basements, garages, utility rooms, and a variety of other residential areas
- Low profile design eliminates an obtrusive "scanning device" look
- IPP15 provides a true 3-way feature when used with the IPP0R Manual-ON Occupancy Sensor Remote or the VP0SR Vizia + Switch Remote
- Convenient push button provides manual ON/OFF light switching at any time
- Segmented Fresnel lens provides optimum sensitivity and performance; even slight body movements will be detected
- Four optional manual adjustments for delayed OFF time settings to maximize energy savings: 30 seconds (for walk test), 5 minutes, 15 minutes & 30 minutes
- LED indicator light flashes when sensor detects motion to verify detection is active
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus screwless wallplates and Decora wallplates
- Limited Five-Year Warranty

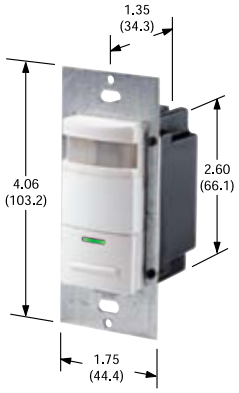
DECORA® WALL SWITCH INFRARED OCCUPANCY SENSOR

Description	Cat. No.	Rating	Color
Decora Wall Switch PIR Occupancy Sensor, single pole, 150° field of view, 350 sq. ft.	PR150-1L	Incandescent: 500W Rapid Start Fluorescent only: 400VA @ 120VAC	W, I, T
Decora Wall Switch PIR Occupancy Sensor, single pole or 3-way, 180° field, 400 sq. ft.	PR180-1L	Incandescent: 500W Rapid Start Fluorescent only: 400VA @ 120VACof view,	W,
Decora Manual-ON Occupancy Sensor, single pole, 3-way or more applications, 180° field of view, 900 sq. ft; neutral required	IPP15-1L	15A-120VAC	W, I, A, T, E
Decora Manual-ON Occupancy Sensor Remote Unit for 3-way or more applications, 180° field of view, 900 sq. ft; neutral required	IPP0R-1L	No load rating - 120VAC	W, I, A, T

Note: works with Vizia + Matching and Coordinating Remote



PR180-ILW



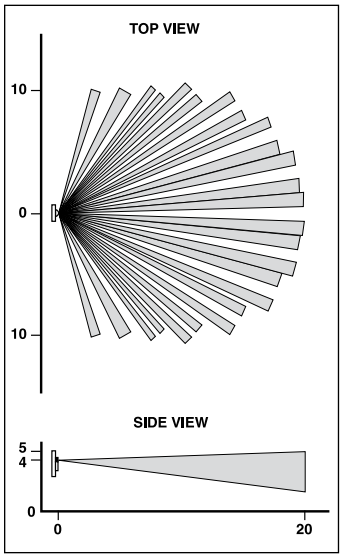
IPP15-ILW

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-118904)
- CSA Certified (File #LR-91148M)
- IPP15 and IPP0R: California Title 24 Energy Code 2005 compliant

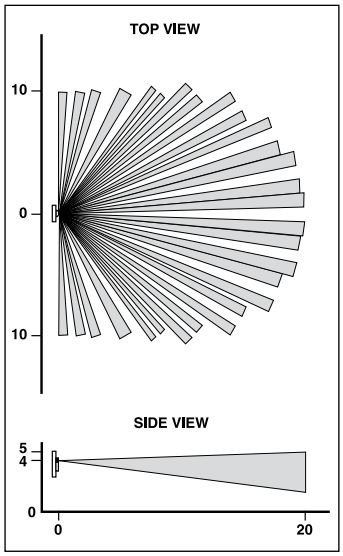
MATERIAL CHARACTERISTICS
- Operating Temperature: 32°F to 122°F
- Storage Temperature: 14°F to 185°F
- Relative Humidity: 20% to 90% non-condensing

COLOR
To order colors, add suffix to catalog number as follows: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Black (-E)

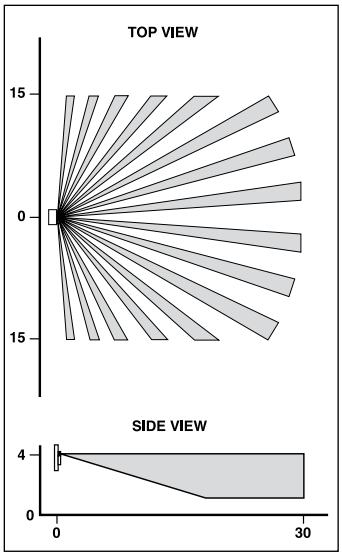
FIELD OF VIEW



PR150-1L
Field of View



PR180-1L
Field of View



IPP15
Field of View

Occupancy Sensor Lighting Controls: Outdoor

These Passive Infrared (PIR) outdoor motion sensors represent outstanding value in security lighting and provide the added benefits of convenience and energy savings. Easy to install and adjust, they automatically turn on lights in response to the slightest motion. Ideal for driveways, walkways, doorways, yards and docks, they discourage intruders and help prevent homeowners and welcome visitors from stumbling around in the dark.

Specifications and Features

- Ideal for a wide range of residential settings including backyards, garages, entranceways, porches, swimming pool areas, doorways and private docks
- Sensor neck adjustment allows accurate area monitoring: 110° vertical, 180° horizontal, 110° rotational
- Adjustable delayed OFF time settings from 20 seconds (for test mode) to 15 minutes
- Adjustable sensitivity reduces false triggers
- Provides Automatic,Test and Continuous Modes:Test Mode simulates automatic operation with short delayed OFF time for ease of making adjustments. Continuous Mode enables manual override for constant lights ON operation (when used with standard ON/OFF switch)
- Limited Five-Year Warranty



RS110-1F

INFRARED OUTDOOR MOTION SENSOR

Description	Cat. No.	Rating	Color
PIR Motion Sensor, 110° field of view	RS110-10	Incandescent: 500W @ 120VAC	W
PIR Motion Sensor with dual floodlights, 110° field of view	RS110-1F	Incandescent: 500W @ 120VAC	W

TESTING AND CODE COMPLIANCE

- UL Listed
- CSA Certified
- Meets ASHRAE Standard 90.1 requirements

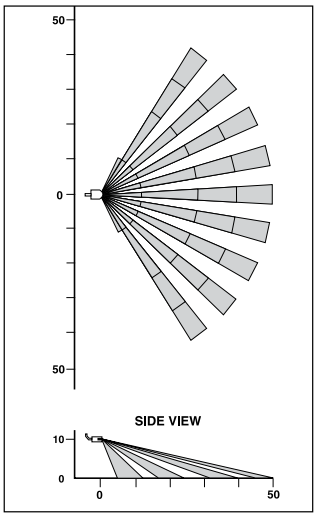
COLOR

To order colors, add suffix to catalog number as follows:
White (-W)

MATERIAL CHARACTERISTICS

- Operating Temperature: 32°F to 122°F
- Storage Temperature: 14°F to 185°F
- Relative Humidity: 20% to 90% non-condensing

FIELD OF VIEW



RS110-10
Field of View (in feet)



GFCI (Ground Fault Circuit Interrupter) Devices

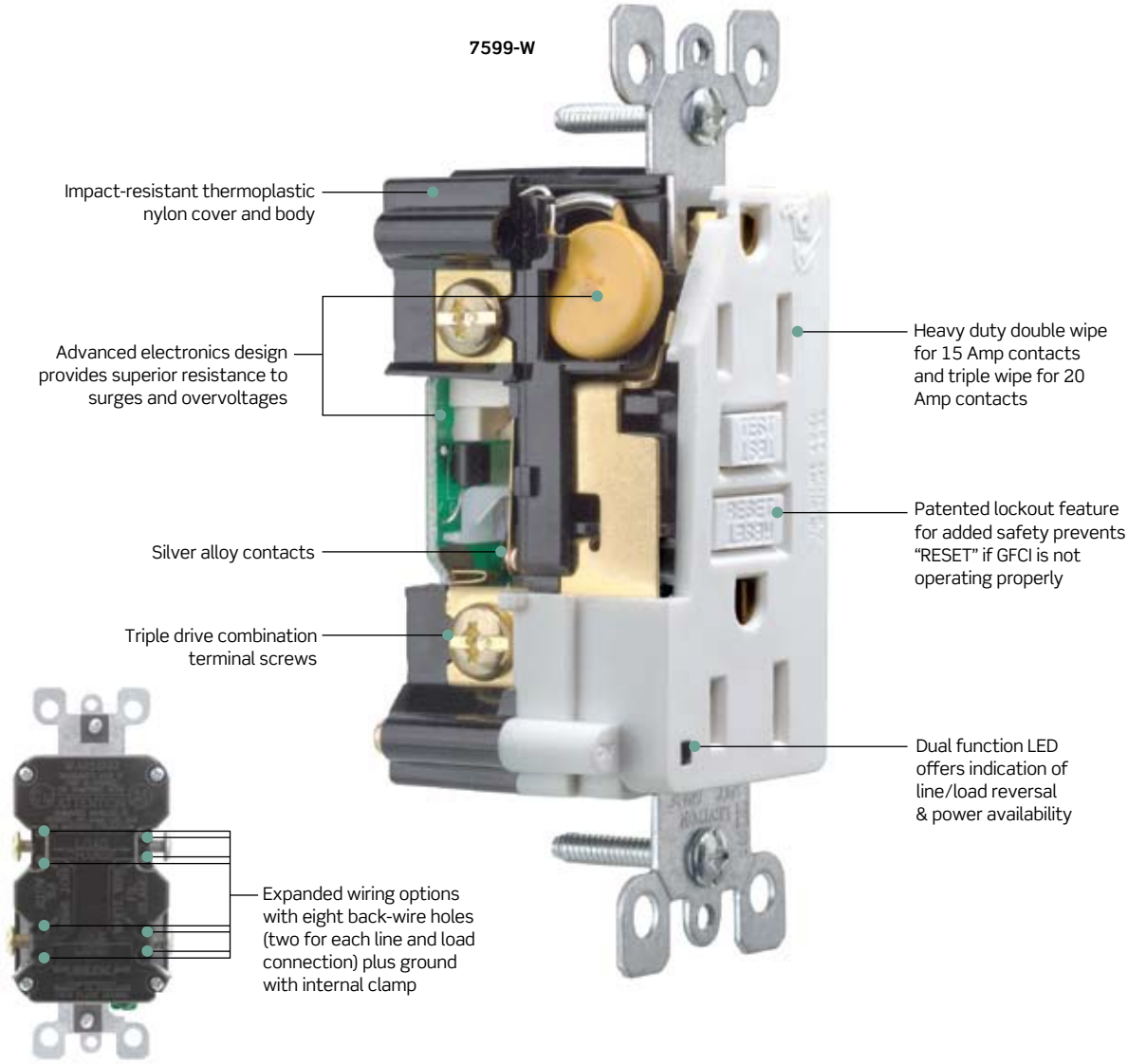
INDEX

Hospital Grade
SmartlockPro® GFCI Receptacles 150

Commercial Grade
SmartlockPro® GFCI Receptacles 153
Cord Sets 155
User-Attachable 160
Panel Mount 162
Power Distribution Box & Power Cords 163

SmartlockPro® GFCI Receptacles

Leviton is the leading manufacturer of Ground Fault Circuit Interrupters (GFCIs) in the electrical industry. Available in Extra Heavy Duty Hospital and Commercial Spec Grade, they are ideal for a wide range of GFCI applications. Our large selection of GFCIs includes Tamper-Resistant (TR) GFCI devices that meet Section 406.11 of the 2008 code and help protect children from electrical shock. For the highest level of ground fault protection, install 2008 NEC® code compliant Weather-Resistant GFCI (WR) receptacles, which meet UL 498 requirements. Built with UV stabilized engineering thermoplastic, the devices have high cold impact resistance and feature stainless steel straps and mounting screws.



Provisions for back- or side-wiring.



Leviton SmartlockPro icon ensures improved GFCI product design.



Lockout action blocks the "RESET" button if GFCI protection has been compromised.



Dual function LED offers indication of line/load reversal and power availability.



TR Symbol on GFCI receptacles assures they meet the 2008 NEC Requirement

SmartlockPro® Heavy-Duty Spec Grade – Back and Side Wired GFCI with Professional Grade Lockout*

Specifications and Features

- Patented bridge contact provides individual sets of contacts for GFCI receptacle face and downstream receptacles; no power to receptacle face if improperly wired (line-load reversal)
- Patented lockout feature for added safety prevents RESET if GFCI is not operating properly
- TEST and RESET button colors match device face (Red and Black button color models available)
- Advanced electronics design provides superior resistance to electrical surges and over-voltages
- Impact-resistant thermoplastic cover and body
- Expanded wiring options with eight back-wire holes (two for each line and load connection) plus ground with an internal clamp
- Silver alloy contacts
- Compatible with all Decora® devices and wallplates; available in select Decora colors
- Packed with coordinating wallplate
- Backed by a Limited Two-Year Warranty

Tamper Resistant

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- Heavy-duty construction offers long, trouble-free service life

NAFTA Compliant

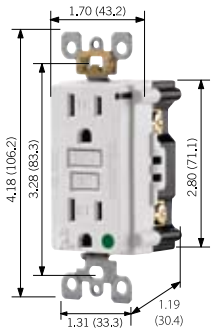
- Ideal for projects subject to the provisions of the Buy American Act

SMARTLOCKPRO HEAVY-DUTY SPEC GRADE

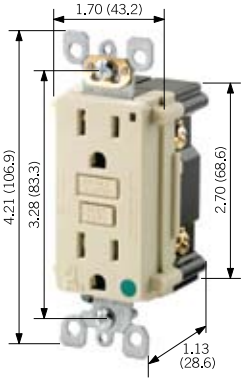
Back and Side Wired GFCI with Professional Grade Lockout

Description	Color	Cat. No.	Cat. No.
NEMA Config.		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
		15A-125V @ Receptacle, 20A-125V Feed-Through	20A-125V @ Receptacle, 20A-125V Feed-Through
Tamper Resistant Duplex, GFCI with LED Indicator Light, buttons match face	White	T7599-HGW	T7899-HGW
	Ivory	T7599-HGI	T7899-HGI
	Light Almond	—	T7899-HGT
	Grey	T7599-HGG	T7899-HGG
	Black	T7599-HGE	T7899-HGE
	Brown	—	T7899-HG
	Red	T7599-HGR	T7899-HGR
Duplex, GFCI with LED Indicator Light, buttons match face	White	7599-HGW	7899-HGW
	Ivory	7599-HGI	7899-HGI
	Light Almond	7599-HGT	7899-HGT
	Grey	7599-HGG	7899-HGG
	Black	7599-HGE	7899-HGE
	Brown	7599-HG	7899-HG
	Red	7599-HGR	7899-HGR

Continued On Next Page >



T7599-HGW

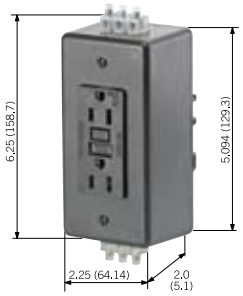


7599-HGI

Hospital and Industrial Grade

Continued From Previous Page >

Description	Color	Cat. No.	Cat. No.
NEMA Config.		 5-15R	 5-20R
Rating		**15A-125V**	**20A-125V**
NAFTA Compliant Duplex, GFCI with LED Indicator Light, buttons match face	White	7599-HFW	7899-HFW
	Ivory	7599-HFI	7899-HFI
	Light Almond	7599-HFT	7899-HFT
	Grey	7599-HFG	7899-HFG
	Black	7599-HFE	7899-HFE
	Brown		7899-HF
	Red	7599-HFR	7899-HFR



7599-DIN

INDUSTRIAL GRADE DIN-RAIL GFCI MODULE

Description	Color	Cat. No.
NEMA Config.	 5-15R	
Rating	**15A-125V**	
Duplex, GFCI with LED Indicator Light, buttons match face. DIN-Rail mounting with terminal wiring block. UL Recognized Component (NEMA 5-15R)	Black	7599-DIN

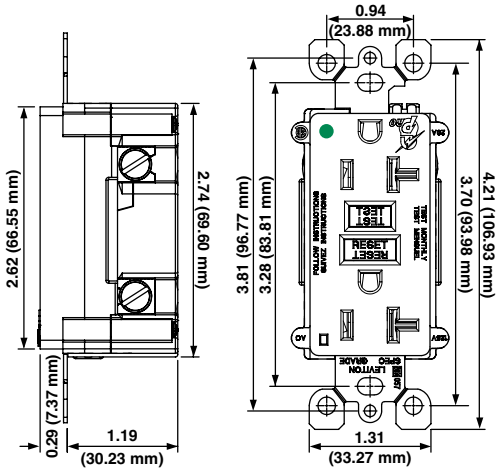
TESTING AND CODE COMPLIANCE
- Meets or exceeds all new UL requirements for February 22, 2008
- UL Standard 943 Class A (GFCI) and 498 (Receptacles)
- NEMA (WD-1 & WD-6)
- ANSI (C- 73)
- UL Listed (File # E-48380)
- CSA Certified (File #LR-57811)
- NOM Certified (File #057)

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -35°C to 66°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DIMENSIONS



7899-HG SERIES

SmartlockPro® Commercial Spec Grade – Back and Side Wired GFCI with Professional Grade Lockout*

Specifications and Features

- Patented bridge contact provides individual sets of contacts for GFCI receptacle face and downstream receptacles; no power to receptacle face if improperly wired (line-load reversal)
- Patented lockout feature for added safety prevents RESET if GFCI is not operating properly
- TEST and RESET button colors match device face (Red and Black button color models available)
- Advanced electronics design provides superior resistance to electrical surges and over-voltages
- Impact-resistant thermoplastic cover and body
- Expanded wiring options with eight back-wire holes (two for each line and load connection) plus ground with an internal clamp
- Silver alloy contacts
- Compatible with all Decora® devices and wallplates; available in select Decora colors
- Packed with coordinating wallplate
- Backed by a Limited Two-Year Warranty

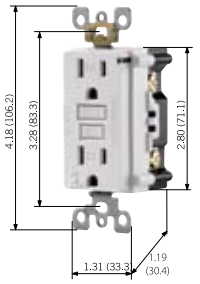
NAFTA Compliant

- Ideal for projects subject to the provisions of the Buy American Act

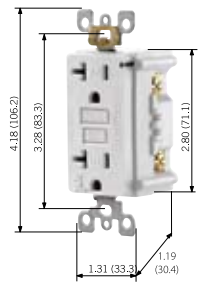
SMARTLOCKPRO COMMERCIAL SPEC GRADE

Back and Side Wired GFCI with Professional Grade Lockout* UL CSA

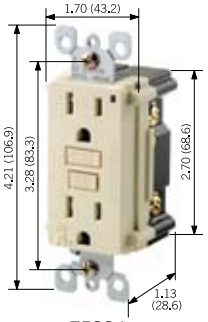
Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A–125V @ Receptacle 20A-125V Feed-Through**	**20A–125V @ Receptacle 20A-125V Feed-Through**
Tamper Resistant GFCI with LED Indicator Light (with self-grounding clips)	White	T7599-W	T7899-W
	Ivory	T7599-I	T7899-I
	Almond	T7599-A	T7899-A
	Light Almond	T7599-T	T7899-T
	Grey	T7599-GY	T7899-GY
	Black	T7599-E	T7899-E
	Brown	T7599	T7899
	Red	T7599-R	T7899-R
GFCI with LED Indicator Light	White	7599-W	7899-W
	Ivory	7599-I	7899-I
	Almond	7599-A	7899-A
	Light Almond	7599-T	7899-T
	Grey	—	7899-GY
	Black	—	7899-E
	Brown	7599	7899
	Red	—	7899-R
GFCI with LED Indicator Light (with self-grounding clips)	White	7599-SGW	7899-SGW
	Ivory	7599-SGI	7899-SGI
	Almond	7599-SGA	7899-SGA
	Light Almond	7599-SGT	7899-SGT
GFCI with LED Indicator Light, with 6" wire leads (Black and Red Buttons)	White	7599-LW	7899-LW
	Ivory	7599-LI	7899-LI



T7599-W



T7899-W



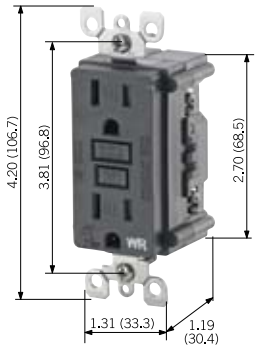
7599-I

*This product is covered by U.S. Patents Nos. 6,040,967; 6,246,558; 6,282,070; 6,381,112; 6,437,953; 6,864,766, as well as other U.S. and foreign patents pending.

Continued On Next Page ›

Commercial Grade

Continued From Previous Page >



W7599-TRE

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**15A-125V @ Receptacle 20A-125V Feed-Through**	**20A-125V @ Receptacle 20A-125V Feed-Through**
NAFTA Compliant GFCI with LED Indicator Light	White	7599-FW	7899-FW
	Ivory	7599-FI	7899-FI
Outdoor Grade GFCI with LED Indicator Light	White	W7599-W	W7899-W
	Black	W7599-E	W7899-E
Tamper Resistant Outdoor Grade GFCI with LED Indicator Light	White	W7599-TRW	W7899-TRW
	Black	W7599-TRE	W7899-TRE
Blank Face, no LED Indicator Light	White	—	7590-W
	Ivory	—	7590-I
	Almond	—	7590-A
	Light Almond	—	7590-T
	Black	—	7590-E

*This product is covered by U.S. Patents Nos. 6,040,967; 6,246,558; 6,282,070; 6,381,112; 6,437,953; 6,864,766, as well as other U.S. and foreign patents pending.

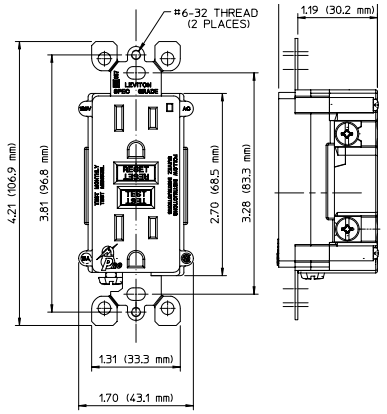
TESTING AND CODE COMPLIANCE
Meets or exceeds all new UL requirements for February 22, 2008
- UL Standard 943 Class A (GFCI) and 498 (Receptacles)
- NEMA (WD-1 & WD-6)
- ANSI (C-73)
- UL Listed (File #E-48380)
- CSA Certified (File #LR-57811)
- NOM Certified (File #057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -35°C to 66°C

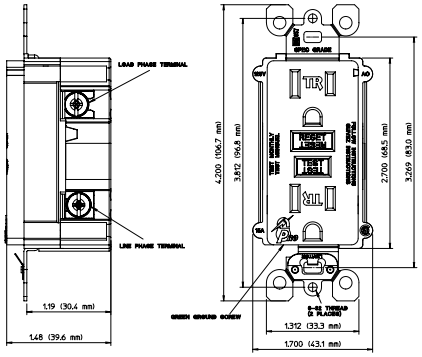
MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 250 cycles overload at 200% of rated current
Meets 10kA supplemental short circuit current test

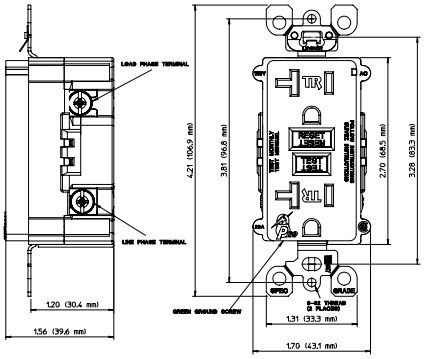
DIMENSIONS



SmartlockPro® GFCI



Tamper Resistant 15A SmartlockPro® GFCI



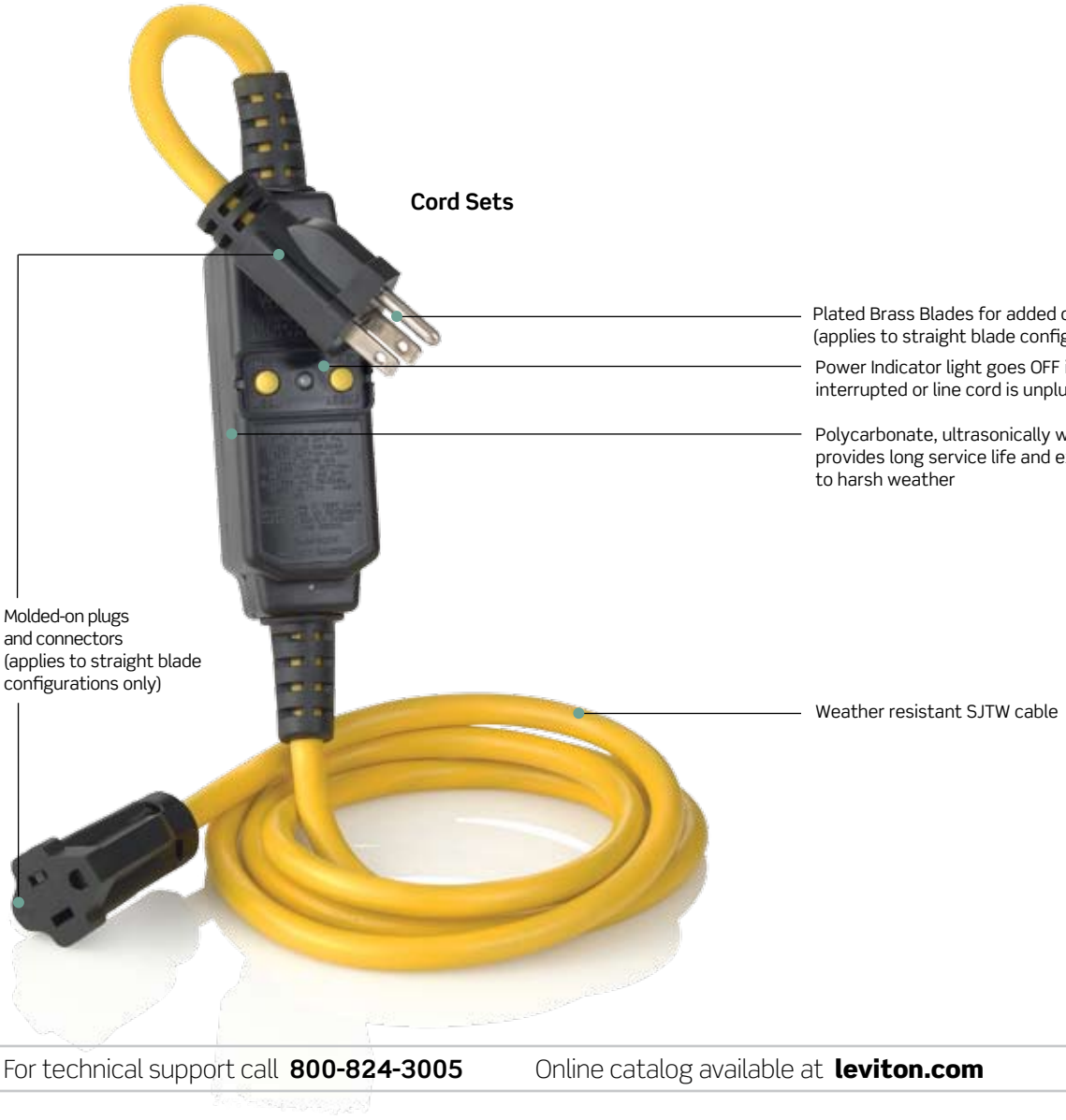
Tamper Resistant 20A SmartlockPro® GFCI

Automatic Reset GFCI Devices

Leviton's Automatic Reset GFCI Devices are now sleeker and more rugged than ever! And, while these devices are fully OSHA compliant for use on job sites, they are also perfect for use in a variety of temporary power applications, such as recreation vehicles, marine vehicles, portable pools, portable generators, submersible pumps, vending machines and more.

Specifications and Features

- Rainproof, outdoor rated GFCI module
- Fully complies with NEC and OSHA regulations for construction sites
- Automatically resets to ON when plugged in or after power interruption
- Power Indicator light goes OFF if GFCI trips, power is interrupted or GFCI is unplugged
- Open-Neutral Protection immediately trips the GFCI if the neutral conductor on the line side is opened, eliminating the possibility of the GFCI having a live hot leg
- Cord Set Models available in Standard Cord Set lengths of 2-ft., 3-ft., 6-ft., 25-ft. and 37-ft. Custom lengths and configurations available as special order
- Specially designed NEMA 3R Raintight While-in-Use covers available for Right Angle Plug Models
- UL listed cord sets and user-attachables; UL recognized power supply cords; complies with UL Standard 943 as a Class A GFCI
- CSA Certified
- Backed by a Two-Year Limited Warranty





Cat No. 86593-1EM
Raintight
While-in-Use
Cover for use with
right angle plugs

User-Attachable Devices

Cat. No. GCA20 shown below

Polycarbonate, ultrasonically welded body provides long service life and excellent resistance to harsh weather

Accepts 12 AWG to 18 AWG 3-wire flexible cord
(SJ or ST Type)

Terminal chamber sealed with silicon and foam rubber gaskets for superior protection against moisture

Cat. No. 16593 shown above

Accepts 12 AWG to 18 AWG 3-wire flexible cord
(SJ or ST Type)

Automatic and Manual Reset GFCI Cord Sets and Power Supply Cords

Specifications and Features

- UL 943 Class A GFCI operation with open-neutral protection
- Impact-resistant thermoplastic cover and body
- Rainproof, Outdoor rated GFCI Module
- Water-resistant enclosure is sealed by ultrasonic welding
- Silver alloy contacts
- Power Indicator light goes OFF if GFCI trips, power is interrupted or line cord is unplugged
- Open-Neutral Protection immediately trips the GFCI if the neutral conductor on the line side is opened, eliminating the possibility of the GFCI Cord Set having a live hot leg
- Fully complies with NEC and OSHA regulations for construction sites
- Manual Reset Cord Sets (yellow body) will not automatically reset ON when power is restored after a power interruption–Reset button must be pushed in
- Automatic Reset Cord Sets (black body) will automatically reset ON when plugged in or power is restored after a power interruption
- Backed by a Two-Year Limited Warranty

AUTOMATIC RESET GFCI CORD SETS AND POWER SUPPLY CORDS

Description	Color	Cat. No.
		5-15P, 5-15R
Rating		**15A-120V**
20 ft Cord Set with Fluorescent Work Light (12 AMP)	Black	66591-WL
2 ft Cord Set, Straight Blade Plug and Connector	Black	GFA15-2C
6 ft Cord Set, Straight Blade Plug and Connector	Black	GFA15-6C
25 ft Cord Set, Straight Blade Plug and Connector	Black	GFA15-25C
3 ft Cord Set, Straight Blade Plug and Triple Tap Connector	Black	GFA15-3TC
		5-15P
Rating		**15A-120V**
37 ft Power Supply Cord, Straight Blade Plug, No Connector*	Black	GFA15-37E
		5-20P, 5-20R
Rating		**20A-120V**
3 ft Cord Set, Straight Blade Plug and Connector	Black	GFA20-3C
37 ft Power Supply Cord*	Black	GFA20-37E
		L5-20P
Rating		**20A-120V**
3 ft Cord Set, Locking Plug and Connector	Black	GFA20-3LC
		6-15P
Rating		**15A-240V**
35 ft GFCI Power Supply Cord, No Connector*	Black	26592-E



GFA20-37E



GFA15-3TC

*UL recognized component

Continued On Next Page >

Continued From Previous Page >

Description	Color	Cat. No.
		 6-20P
Rating		**20A-240V**
35 ft GFCI Power Supply Cord, No Connector*	Black	36592-E

*UL recognized component



69591-W3

MANUAL RESET GFCI CORD SETS

Description	Color	Cat. No.
		 5-15P  5-15R
Rating		**15A-120V**
3 ft Cord Set, Straight Blade Plug and Connector**	Yellow	69591-3
25 ft Cord Set, Straight Blade Plug and Connector	Yellow	69591-25
3 ft Cord Set, Straight Blade Plug and Triple Tap Connector**	Yellow	69593-3

**Heavy-Duty #12/3 Type SJTW Cord

		 5-20P  5-20R
Rating		**20A-120V**
3 ft Cord Set, Straight Blade Plug and Connector	Yellow	69891-3
		 5-15P  5-15R
Rating		**15A-120V**
3 ft Cord Set, Wetguard® Plug and Connector**	Yellow	69591-W3
25 ft Cord Set, Wetguard® Plug and Connector	Yellow	69591-W25

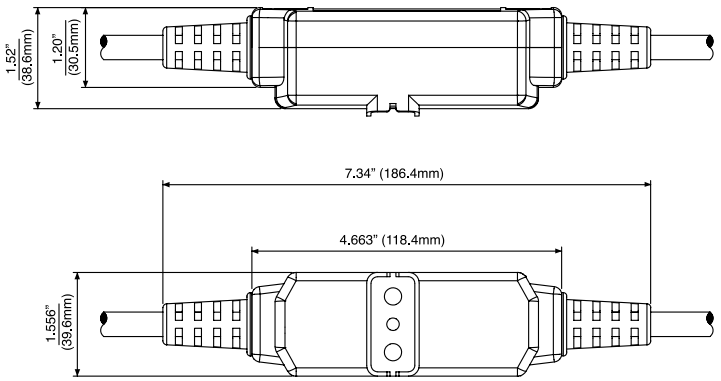
**Heavy-Duty #12/3 Type SJTW Cord

		 5-20P  5-20R
Rating		**20A-120V**
3 ft Cord Set, Wetguard® Plug and Connector†	Yellow	69891-W3

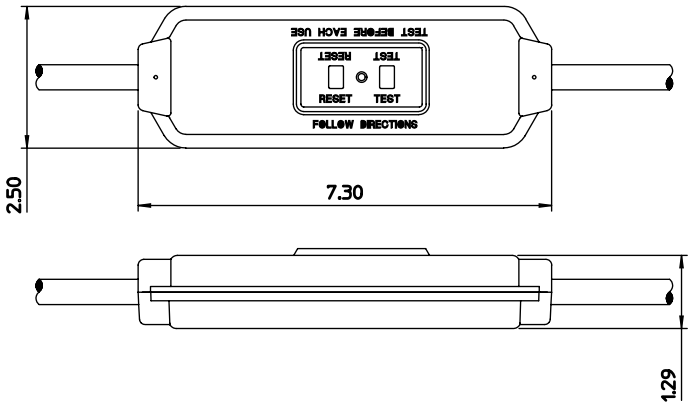
CSA Certified except where indicated by †.

DIMENSIONS

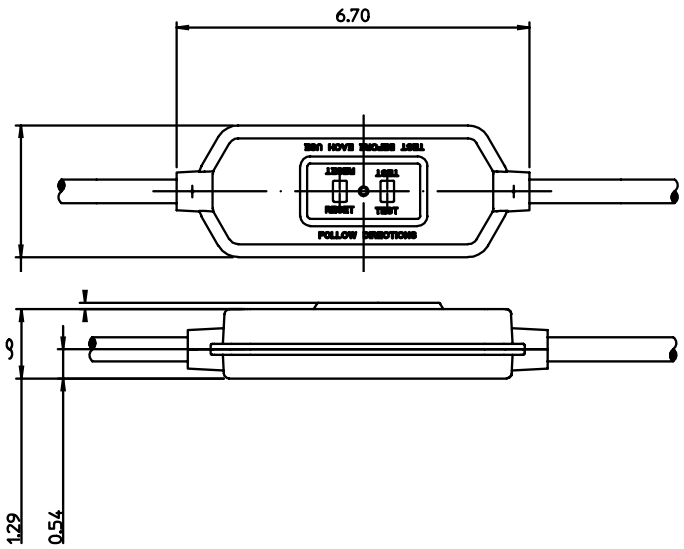
Cat. Nos. GFA15 / GFA20



Cat. Nos. 26592 / 36592 / 69591-3 / 69593-3 / 69891-3 / 69591-W3 / 69891-W3



Cat. Nos. 69591-25 / 69591-W25



User Attachable Devices

Specifications and Features

- UL 943 Class A GFCI operation with open-neutral protection
- May be pre-wired to cable of any specified length up to 50 feet
- Available in wiring modules that accept No. 18 (.300") thru No. 12 (.450") cord sizes Type SJ Only and No. 16 (.300") thru No. 12 (.597") cord sizes Type SJ or ST
- Power indicator light goes off if GFCI trips, power is interrupted or GFCI is unplugged
- Backed by a Two-Year Limited Product Warranty



6594

RIGHT ANGLE GFCI PLUG

Description	Color	Cat. No.	Cat. No.	Cat. No.
		1-15P	5-15P	5-20P
Rating		**15A-120V**	**15A-120V**	**20A-120V**
Automatic Reset - Type SJ Cords Only†	Black	16592	16593	16893
Automatic Reset - Type SJ and ST Cords††	Black	–	16693	16793
Manual Reset†††	Yellow	–	6594	6894

†Wiring module accepts No. 18 (.300") thru No. 12 (.450") cord sizes Type SJ Only.
††Wiring module accepts No. 16 (.300") thru No. 12 (.597") cord sizes Type SJ or ST.
†††Wiring module accepts No. 18 (.300") thru No. 12 (.607") cord sizes.



16593

Description	Color	Cat. No.	Cat. No.	Cat. No.
				5-20P
Rating				**20A-120V**
NEMA 3R While-In-Use Cover for Right Angle GFCI Plugs with ground pin up orientation	Clear/Black Base			86593-0EM
NEMA 3R While-In-Use Cover for Right Angle GFCI Plugs (receptacle included for ground pin up or down mounting)	Clear/Black Base			86593-1EM

IN-LINE GFCI WITH LINE/LOAD WIRING CHAMBERS

Description	Color	Cat. No.	Cat. No.	Cat. No.
In-line GFCI with line/load wiring chambers Type SJ and ST Cords††	Black			GCA20

††Wiring module accepts No. 16 (.300") thru No. 12 (.597") cord sizes Type SJ or ST.

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 1 & 6, and ANSI requirements
- UL Standard 943 Class A (GFCI)
- UL Listed (File #48380)
- CSA Certified (File #LR-57811)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -35°C to 66°C

MISC MOTOR CONTROL RATING

3/4 HP @ Rated voltage

ELECTRICAL

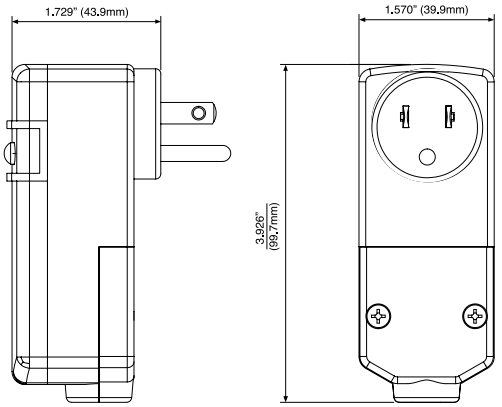
Dielectric Voltage: 1250V Line-to-load and 2500V line/load-to-ground
4000V conductor-to-enclosure extendor
Current Interr.: 2kA
Trip Level: 5 ± 1 mA

MECHANICAL

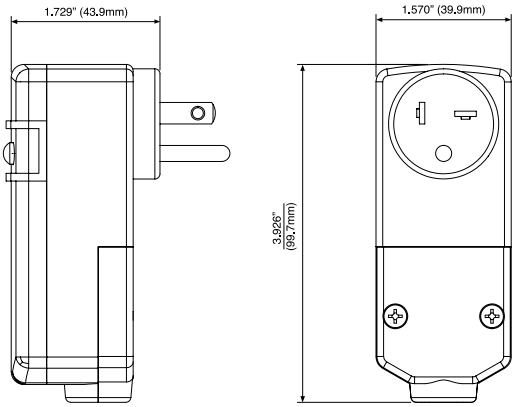
Terminal I.D.: Brass-Hot, Silver-Neutral, Green-Grounding
Terminal Accomm.: #18-#12 AWG (exceptions where noted)
Product I.D.: Ratings are permanently marked on device

DIMENSIONS

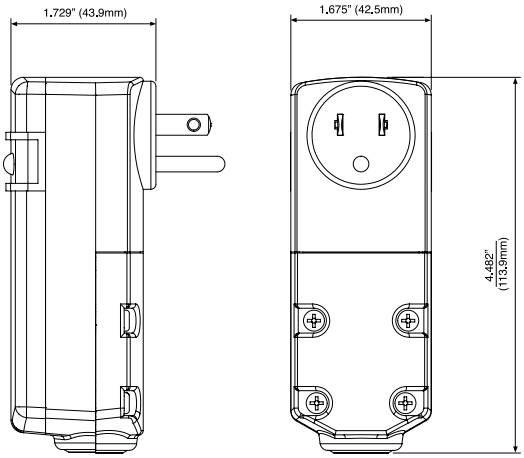
Cat No 16593



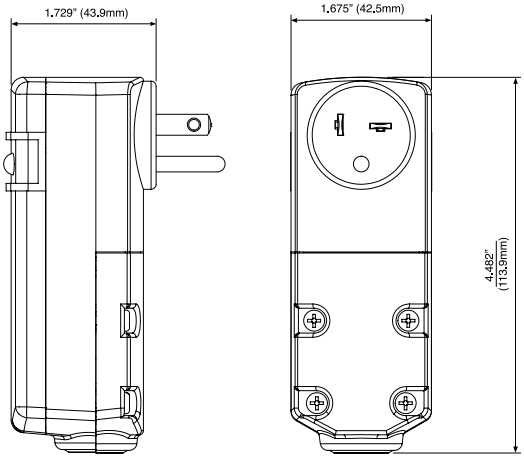
Cat No 16893



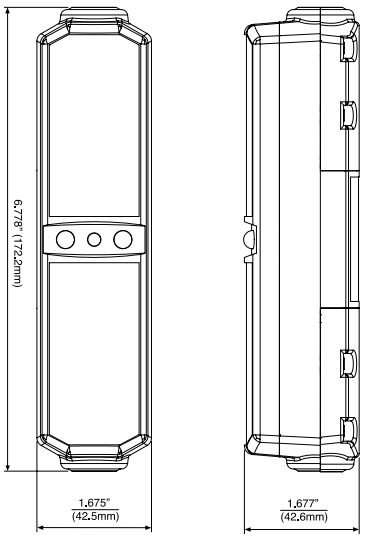
Cat No 16693



Cat No 16793



Cat. No. GCA20



Commercial Grade

Panel Mount GFCI

Specifications and Features

- Moisture and Impact-Resistant Housing and TEST and RESET Buttons
- Automatic resets to ON when energized or after power interruption
- UL 943 Class A GFCI operation with open-neutral protection
- Open-Neutral Protection immediately trips the GFCI if the neutral conductor on the line side is opened, eliminating the possibility of the GFCI Cord Set having a live hot leg
- UL recognized component
- CSA Certified
- Power Indicator light goes OFF if GFCI trips, power is interrupted or line cord is unplugged
- Backed by a Two-Year Limited Warranty

PANEL MOUNT GFCI

Description	Color	Cat. No.
Rating		**20A-120V**
Automatic Reset GFCI for Control Panels, Pedestals and other applications	Black	36596-E
	Yellow	36596-Y
Automatic Reset GFCI - Configured for Temporary Distribution Boxes	Yellow	36597-Y
Automatic Reset GFCI for Phase-Control Theatre Dimming Systems	Yellow	36895-DIM

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 1 & 6, and ANSI requirements

- UL Standard 943 Class A (GFCI)
- UL Listed (File #48380)
- CSA Certified (File #LR-57811)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -35°C to 66°C

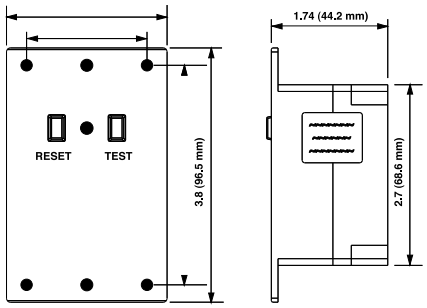
ELECTRICAL

Dielectric Voltage: 1250V Line-to-load and
2500V line/load-to-ground
4000V conductor-to-enclosure extendor
Current Interr.: 2kA
Trip Level: 5 ± 1 mA

MECHANICAL

Product I.D.: Ratings are permanently marked on device

DIMENSIONS



36596, 36597, 36895

Power Distribution Box and Power Cords

Specifications and Features

The Box

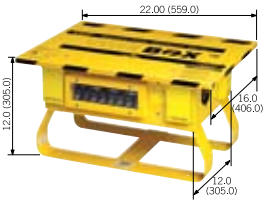
- For temporary use in industrial and commercial maintenance and repair stations (construction, entertainment, amusement sites, trade shows, convention halls) where portable power is needed
- Weatherproof covers prevent nuisance tripping; prevent moisture from entering contacts
- Clear port hole panel for circuit breaker viewing
- Reinforced metal housing and legs withstand abuse
- Backed by a limited one-year warranty

Power Cords

- Flexible, abrasion-resistant construction for reliable performance to -31°F
- Raintight covers satisfy NEC Article 410-57(b) requirements
- Raintight covers are rated NEMA 3R

TEMPORARY PORTABLE POWER DISTRIBUTION CENTER/GFCI (THE BOX)

Description	Cat. No.	Inlet	Outlet
		 6: L5-20R	 1:L 6-30R
Rating		**50A 120/250V**	**50A 120/250V**
(6) 20A/120V Locking, GFCI Protected (1) 30A/250V Locking, GFCI Protected	PB101-SGF		
(6) 20A/120V Locking, GFCI Protected (1) 30A/250V Locking, Non-GFCI Protected	PB101-000		
(6) 20A/120V Straight Blade, GFCI Protected (1) 30A/250V Locking, GFCI Protected	PB103-SGF		
(6) 20A/120V Straight Blade, GFCI Protected (1) 30A/250V Locking, Non-GFCI Protected	PB103-000		



PB101-SGF

POWER CORDS

Description	Cat. No.	Inlet	Outlet
		 Non-NEMA	 Non-NEMA
100 ft. Temporary Power Cord w/Weather-Resistant 50A, 120/250 Plug and Connector	KUS-A9519		
50 ft. Temporary Power Cord w/Weather-Resistant 50A, 120/250 Plug and Connector	KRS-A9519		



KRS-A9519

Commercial Grade

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 1 & 6, and ANSI requirements
- UL Standard 943 Class A (GFCI) and 498 (receptacles)
- CSA Certified (File #LR-57811)
- NOM Certified (#057)
- Meets OSHA Regulation 20, Part 1926, Subpart K Standards

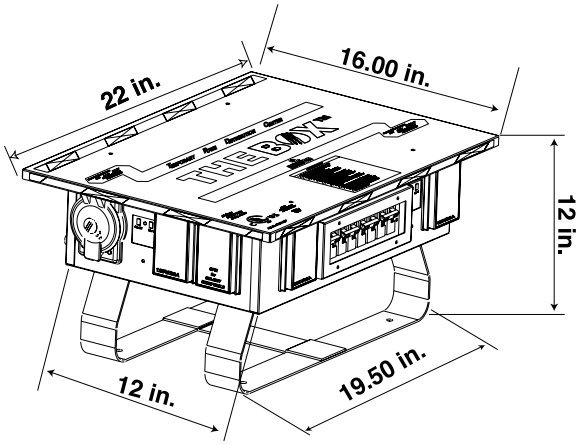
MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -35°C to 66°C

POWER CORDS
- UL Listed (File #E-48380)

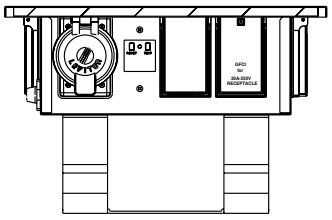
ELECTRICAL
Dielectric Voltage: Withstands 1500V per UL 498
Current Interr.: 2kA
Temp. Rise: 30°C max at full rated current after 50 cycles overload at 150% rated current for both AC and DC per UL 498
Trip Level: 5 ± 1 mA

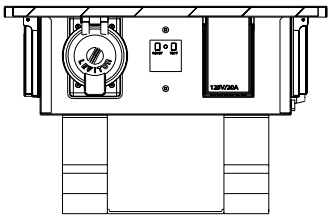
MECHANICAL
Terminal I.D.: Brass-Hot, Silver-Neutral, Green-Grounding
Terminal Accomm.: N/A
Product I.D.: Ratings are permanently marked on device

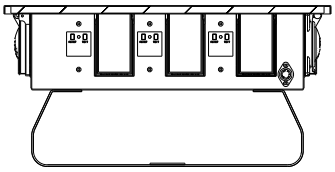
DIMENSIONS

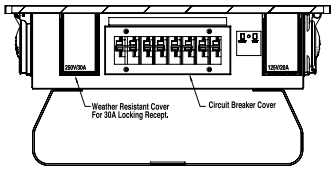


TOP VIEW


END VIEW 1


END VIEW 2


SIDE VIEW 1



SIDE VIEW 2



Home Automation

INDEX

Residential Grade

Vizia RF +® Home Controls 166
Vizia RF + Dimmers 167
Vizia RF + Switches 169
Vizia RF + Controllers 170
Vizia RF + Plug-In Modules 173
Vizia RF + Custom Engraved Form 172
Vizia RF + Programming & Handheld Remotes .. 175

Decora® Home Controls 176
Decora Controllers – Green Line 177
Decora Controllers – Red Line 180
Decora Wall Dimmers & Switches 181
Decora Receivers – Red Line 184
Decora RF Products,
Amplifiers & Noise Filters 187

Residential Grade

Vizia RF +® Home Controls

Join a revolution in the home automation industry with Vizia RF +® wireless lighting and home control technology. Innovative and affordable, with features that are desired by professional installers and appreciated by homeowners, Vizia RF + helps reduce energy consumption. It provides dramatic scene transitions, extended zone lighting control, industry standard 2-way status updating and true integration of household electrical devices. Use Vizia RF + to enhance new construction or to refresh existing homes and residences.

Equipped with Z-Wave®, the leading home automation technology, Vizia RF + allows tailoring of the perfect home control solution. Imagine a home in which the lighting automatically adapts to your needs. With Vizia RF +, this dream can become reality without straining your energy resources or budget.

For example, in the kitchen one button can slowly dim the ceiling light while subtly brightening the chandelier over the kitchen table. Vizia RF + can control other rooms just as impressively. It also works well with exterior fixtures, enabling them to be controlled throughout the house.

The Vizia RF + product line includes new customer-requested features that increase its options, such as 49 selectable fade rates, an Energy Save mode, customizable preset maximum and minimum brightness levels, and more control of locator LED activity.

Matching an automation system to a homeowner's lifestyle is easy with Vizia RF +, the wireless home control system preferred by professionals. Vizia RF + is simply brilliant inside and out.



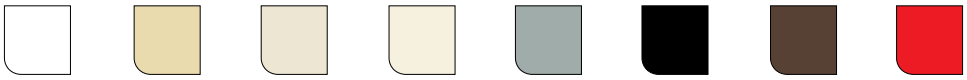
Dimmers

Specifications and Features

- Universal design provides crisp actuation and minimal travel
- 49 possible combinations of fade rates, from soft to instant
- Separate fade up and fade down speeds
- Energy Save option reduces power consumption and extends bulb life
- Preset On Level option sets the brightness level when the device is turned on, regardless of the previous level
- Minimum Brightness Level option sets the minimum brightness level the dimmer will output prior to turning completely off
- LED Display options control the length of time they remain lit
- Push pad always returns to neutral position regardless of load status
- Compatible with Decora Plus™ screwless wallplates and Decora® wallplates
- Complements Vizia +® Lighting Controls
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Manual and remote ON/OFF/DIM/BRIGHT control of connected loads
- ON/OFF/DIM/BRIGHT scene and zone control capability
- Responds to Vizia RF + Controllers as well as selected Z-Wave certified controllers from other manufacturers
- Works with the Vizia RF + 1-Zone Controller/Virtual Dimmer Remote (VRCZ1-1L) for RF virtual 3-way control without the need for traditional 3-way wiring or for a dedicated traveler wire
- Works with Vizia +® (non-RF) Matching and Coordinating Remotes (VP00R) for hardwired 3-way or up to 10-location control
- 2-way status
- Easy to clean, high gloss finish complements a wide range of décors
- DIM/BRIGHT bar allows user to select brightness level when lights are ON or OFF – green LED displays brightness level
- Power-failure memory allows light levels to return to the same levels set prior to a power interruption
- RFI filtering for radio, audio and video equipment
- Air gap switch disconnects power from load locally. It is concealed during normal operation and is accessible without removing the wallplate
- Limited Five-Year Warranty

COLOR CHOICES

To order colors, add suffix to Cat No.

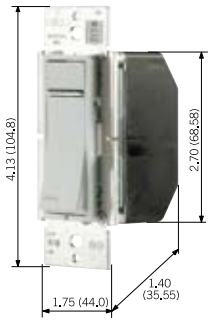


White (-W) | Ivory (-I) | Almond (-A) | Lt. Almond (-T) | Grey (-G) | Black (-E) | Brown (-B) | Red (-R)

VIZIA RF +® SCENE CAPABLE DIMMERS FOR SINGLE POLE, 3-WAY OR MULTI-LOCATION APPLICATIONS



VR106-1L



VRM10-1L

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator and brightness display	600W – 120VAC 60Hz	VRI06-1L	X, Z
Incandescent Dimmer with LED locator and brightness display	1000W – 120VAC 60Hz	VRI10-1L	X, Z
Magnetic Low Voltage Dimmer with LED locator and brightness display	1000VA – 120VAC 60Hz	VRM10-1L	X, Z
Electronic Low Voltage Dimmer with LED locator and brightness display	600W – 120VAC 60Hz	VRE06-1L	X, Z

Fan Speed Controls

Quiet Fan Speed Control with LED locator and fan speed display	1.5A – 120VAC 60Hz	VRF01-1L	X, Z

COLOR CHANGE KIT FOR VIZIA RF + DIMMERS

Description	Cat. No.	Color
Matching Dimmer/Fan Speed Control Color Change Kit with LED locator and brightness display	VPKIT-MD	W, I, A,T, G, E, B, R

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 55°C
Relative Humidity less than 20% to 90% (non-condensing)

COLOR

Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

Related Products

Use Leviton Power Extenders to extend the load capacity of Vizia RF + dimming wall switch receivers. **See page 227 for more information.**

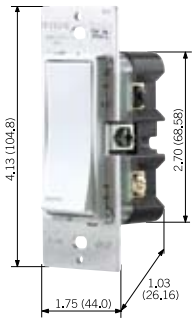
Switches

Specifications and Features

- Push pad always returns to neutral regardless of load status
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Vizia RF +® style push pad blends seamlessly with other devices in the Vizia +® collection
- Manual and remote ON/OFF control of connected loads
- ON/OFF scene and zone control compatibility
- LED Display options control the length of time they remain lit
- Universal design provides crisp actuation and minimal travel
- Responds to Vizia RF + Controllers as well as selected Z-Wave certified controllers from other manufacturers
- Works with the Vizia RF + 1-Scene Controller/Virtual Switch Remote (VRCS1-1L) for wireless RF virtual 3-way control without the need for traditional 3-way wiring or for a dedicated traveler wire
- Works with Vizia + (non-RF) Matching and Coordinating Remote (VP0SR-10) for hardwired 3-way or up to 10-location control
- 2-way status
- Pro Level integration with selected products and brands
- UL required air gap switch disconnects power from load locally. It is concealed during normal operation and is accessible without removing the wallplate
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Limited Five-Year Warranty

VIZIA RF + SCENE CAPABLE SWITCH FOR SINGLE POLE, 3-WAY OR MULTI-LOCATION APPLICATIONS

Description	Rating	Cat. No.	Color
Scene Capable Switch with LED locator	15A 1800W Resistive 1800W Incandescent 1800VA Fluorescent 1800VA Inductive 1/2 HP Motor (9.8A)	VRS15-1L	X, Z
Incandescent Scene Capable Switch with LED locator	5A Incandescent only (no neutral required)	VRS05-1L	X, Z



VRS15-1L

COLOR CHANGE KIT FOR VIZIA RF SWITCH

Description	Cat. No.	Color
Matching Switch Color Change Kit with LED locator	VPKIT-MS	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 55°C
Relative Humidity less than 20% to 90% (non-condensing)

COLOR

Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

Controllers

Specifications and Features

- Easy to clean, high gloss finish complements a wide range of décors
- Controller fits in standard wall box and utilizes existing 120VAC 60Hz wiring to replace a regular switch (when neutral wire is present) for easy "no-new-wires" installation
- 2-way status updates
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Popular Vizia + style push pad blends seamlessly with other devices in the Vizia + collection
- Custom Engraving available on VR6C52, VRC54 and VRCZ4
- Limited Five-Year Warranty

Vizia RF +® 1-Button Scene Controller/Virtual Switch Remote (VRCS1)

- Consistent form factor, excellent ergonomic traits and appealing tactile touch and feel
- Provides remote ON/OFF control of one scene
- Virtual 3-way and multi-location remote ON/OFF control of selected Vizia RF + switches without the need for traditional 3-way wiring or a dedicated traveler wire
- Green LED illuminates to indicate controlled scene. When acting as a virtual remote, LED will illuminate when the load is OFF
- LED Display options control the length of time they remain lit

Vizia RF + 1-Button Zone Dimming Controller (VRCZ1)

- Provides remote ON/OFF/DIM/BRIGHT control of one Vizia RF + Dimmer
- Virtual 3-way remote dimming control of selected Vizia RF + dimmers without the need for traditional 3-way wiring or a dedicated traveler wire
- DIM/BRIGHT bar allows user to select brightness level when lights are ON or OFF – green LED displays brightness level
- Green LED locator illuminates to indicate controlled zone or load is OFF
- LED Display options control the length of time they remain lit

Vizia RF + 4-Button Scene Controller (VRCS4)

- Provides remote ON/OFF/DIM/BRIGHT control of four scenes of selected Vizia RF + devices
- Integrated infrared (IR) port
- Green LED illuminates when the assigned scene is ACTIVE

Vizia RF + 4-Button Zone Controller (VRCZ4)

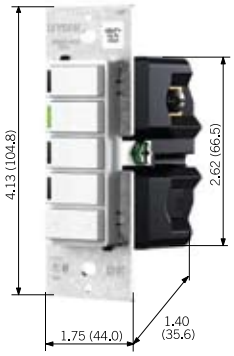
- Provides remote ON/OFF/DIM/BRIGHT control of four zones/areas of selected Vizia RF + devices
- Integrated infrared (IR) port
- Green LED illuminates when assigned zone/area is ACTIVE

Combination Controllers

- Perfect for retrofit applications — local control of load and scene or zone capability
- Controller fits in standard wallbox and utilizes 120VAC-240VAC, 50/60Hz wiring
- Local and remote control of two loads in one wallbox (VRCS2)
- Button label kits available for VRCZ4-MR and VRCS4-MR

VIZIA RF + WALL CONTROLLERS

Description	Rating	Cat. No.	Color
1-Button Scene Controller/ Virtual Switch Remote	No Load Rating 120VAC-60Hz	VRCS1-1L	X, Z
Vizia RF + 1-Button Zone Controller/ Virtual Dimmer Remote	No Load Rating 120VAC-60Hz	VRCZ1-1L	X, Z
Vizia RF + 4-Button Scene Controller	No Load Rating 120VAC-60Hz	VRCS4-1L	X, Z
Vizia RF + 4-Button Zone Controller	No Load Rating 120VAC-60Hz	VRCZ4-1L	X, Z



VRCZ4-MR

VIZIA RF + COMBINATION CONTROLLERS

Description	Rating	Cat. No.	Color
4-Button Zone Controller with Switch and IR Remote Capability	1800W/1800VA 1/2 HP 120-240VAC 50/60 Hz	VRCZ4-MR	X, Z
4-Button Scene Controller with Switch and IR Remote Capability	1800W/1800VA 1/2 HP 120-240VAC 50/60 Hz	VRCS4-MR	X, Z
2-Button Scene Controller with Switches with LEDs	1000W/1000VA 1/4 HP (per switch) 120-240VAC 50/60 Hz	VRCS2-MR	X, Z



VRCS4-MR

COLOR CHANGE KITS FOR VIZIA RF CONTROLLERS

Description	Cat. No.	Color
1-Button Zone Controller/Virtual Dimmer Remote Color Change Kit with LED locator and brightness display for VRCZ1	VPKIT-MD	W, I, A, T, G, E, B, R
1-Button Scene Controller/Virtual Switch Remote Color Change Kit with LED locator for VRCS1	VPKIT-MS	W, I, A, T, G, E, B, R
4-Button Scene Controller Color Change Kit with LED locator for VRCS4	VPKIT-S4	W, I, A, T, G, E, B, R
4-Button Zone Controller Color Change Kit with LED for VRCZ4	VPKIT-Z4	W, I, A, T, G, E, B, R
4-Button Scene Controller Label Kit with LED locator for VRCS4	VPSLB-S4	W, I, A, T, G, E, B, R
4-Button Zone Controller Label Kit with LED for VRCZ4	VPZLB-Z4	W, I, A, T, G, E, B, R
2-Button Scene Controller with Switches Color Change Kit with LED for VRCS2	VRKIT-DS	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS
Operating Temperature: 0°C to 55°C
Relative Humidity less than 20% to 90% (non-condensing)

COLOR
Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

vizia rf +®

Custom Engraved Button Order Form

To order Vizia RF + Custom Engraved Buttons, please complete order form and submit to a Leviton distributor for order processing.

Please check one category: ☐ **Installer** ☐ **Homeowner** ☐ **Distributor**

Bill To:

Name: _____

Company: _____

Customer Account Number: _____

Address: _____

City, State, Zip: _____

Ship To: ☐ Same as Billing Address

Name: _____

Company: _____

Address: _____

City, State, Zip: _____

Color: ☐ White ☐ Ivory ☐ Light Almond ☐ Gray ☐ Black ☐ Brown ☐ Red

Button Configuration:



or



or



☐ 4-Button Scene (VPKIT-0S4) ☐ 4-Button Zone (VPKIT-0Z4) ☐ 2-Button Scene (VRKIT-0DS)

Engraving Options:

☐ Initial Caps

☐ ALL UPPER CASE

☐ all lower case

Maximum of 10 characters including spaces

1 ☐☐☐☐☐☐☐☐☐☐

2 ☐☐☐☐☐☐☐☐☐☐

3 ☐☐☐☐☐☐☐☐☐☐

4 ☐☐☐☐☐☐☐☐☐☐

Terms:

Please verify that the form is filled out completely and correctly before submitting. Leviton is not responsible for incomplete or misspelled words. Custom engraved buttons cannot be returned.

Copy form if additional custom engraved controller buttons are needed.

Form must be submitted by a Leviton Distributor

Please allow 4-6 weeks for processing and delivery.

Send completed forms to:

Email to customerservice@leviton.com or
Fax to 1-800-832-9538

Vizia RF + is a registered trademark of Leviton Manufacturing Co., Inc.
© 2010 Leviton Manufacturing Co., Inc. All rights reserved.
Subject to change without notice. G-8258/L09-tp

Plug-In Modules

Specifications and Features
- Green Locator LED
- Limited Five-Year Warranty

Vizia RF +® Scene Capable Plug-in Appliance Module (VRP15)
- Provides 15A-120VAC NEMA 5-15R grounding receptacle for use with a wide variety of lamps and appliances
- Provides manual ON/OFF switching of plug-in load and remote scene and zone control compatibility
- 2-way status
- Protected memory maintains ON/OFF status of loads and during minor power fluctuations

Vizia RF + Scene Capable Plug-in Lamp Dimming Module (VRP03)
- Provides NEMA polarized 1-15R 2-blade receptacle for use with incandescent lamps
- Load Sensing feature allows lamp to be turned ON manually using the lamp's switch or the integrated ON/OFF button
- Provides manual and remote ON/OFF/ DIM/BRIGHT control of plug-in lamps
- 2-way status
- Provides ON/OFF/DIM/BRIGHT scene and zone control capability
- Protected memory maintains ON/OFF/Brightness level status of connected loads and device ID programming during minor power fluctuations

Vizia RF + Plug-In Serial Interface Module, ASCII to Z-Wave Interface (VRC0P)
- Provides RJ11 connector for RS232 or selected HAI® component connection
- Two-way communication between related Controller(s) and Module
- Protected memory and device ID programming during minor power fluctuations
- Transient surge protection to IEC Level 4
- ESD protection to IEC 1000 4-2 Level 4 to protect against damage and memory loss due to static discharges
- Includes serial cable
- Z-Wave® compatible

Vizia RF+ Scene Capable Receptacle
- LED display option allows the green LED to be turned OFF
- Load sensing option allows a lamp or other device plugged into the controlled side to be turned ON manually using the lamp's integrated ON/OFF button
- Controlled side can be used for wireless ON/OFF control of plugged-in electrical loads, such as lamps, appliances and electronics
- Non-controlled side is a tamper-resistant receptacle that provides constant power
- TR symbol on receptacle strap assures that it meets the 2008 NEC® code requirement
- Split Duplex tamper resistent receptacle

VIZIA RF +® SCENE CAPABLE PLUG-IN MODULES



VRP15-1L

Description	Rating	Cat. No.	Color
Vizia RF + Scene Capable Plug-In Appliance Module	15A 1800W Incandescent, 1800VA Fluorescent, 1800W Resistive, 1800VA Inductive and 1/2 HP motor loads @ 120VAC-60Hz	VRP15-1L	W
Vizia RF + Scene Capable Plug-In Lamp Dimming Module	300W Incandescent @ 120VAC-60Hz	VRP03-1L	W
Vizia RF + Plug-In Serial Interface Module, ASCII to Z-Wave Interface	No Load Rating 120VAC-60Hz	VRC0P-1L	W
Vizia RF + Split Duplex TR Receptacle with LED Locator	1800W, 1800VA, 1/2 HP motor loads @: 120VAC- 60Hz	VRR15-1L	Z



VRP03-1L

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Receptacle: Operating Temperature: 0°C to 55°C

COLOR

White (-W). Some products come packaged with three colors. Products with suffix (-Z) clude White, Ivory and Light Almond

HAZ is a registered trademark of Home Automation, Inc.

Programming and Handheld Remotes

Specifications and Features

Remote Controller/Programmer (VRCPG)

- Primary device for creating and programming a Vizia RF + system
- Provides user-level control of up to 128 devices
- Creates up to 128 areas
- Customizes up to 16 profiles
- Creates up to 255 scenes
- Integrated step-by-step setup guide
- Can operate as a secondary remote control
- Creates scheduled events including dusk and dawn (timer version VRCPG-0SG only)
- Provides remote control (ON/OFF/DIM/BRIGHT/SCENE/ZONE) of devices in the Vizia RF + network

IR Remote Controller (VRMR1)

- Works with Vizia RF + IR compatible controllers
- Controls four scenes and four zones

ThinkEssentials® Pro Edition Software by ControlThink® (CTTEP-20W)

- Self-tuning optimization for premium Z-Wave performance
- Professional Z-Wave system programming
- Superior integration with Vizia RF + products
- Install, optimize, integrate and maintain a high performance Z-Wave network
- Patent pending disaster recovery for many Z-Wave system repairs
- Installer software requires Windows XP® or Vista® (32-bit and 64-bit)

VIZIA RF + PROGRAMMING AND HANDHELD REMOTE CONTROLLERS

Description	Cat. No.
RF Handheld Remote Controller, Programmer (Basic)	VRCPG-BSG
RF Handheld Remote Controller Programmer/Timer (Internal astronomical clock)	VRCPG-0SG
Vizia RF + IR Handheld Remote Controller	VRMR1-0SG
ThinkEssentials® Professional Edition for installers	CTTEP-20W



VRCPG-SG

TESTING AND CODE COMPLIANCE

- Complies with FCC Part 15, Class B
- Z-Wave Certified

Windows XP® and Windows Vista® are registered trademarks of the Microsoft Corporation, Inc.
ThinkEssentials is a registered trademark of ControlThink® Inc.

LEVITON

Residential Grade

Decora® Home Controls

How often does home control require a simple solution? Not the complexity of a whole house integration, rather the ability to simply control a light from across a room, or turn on a fan in another room. DHC is the ideal solution for such a task. There are wireless solutions that are well suited for whole house integrations, but the traditional power line protocol is still an ideal solution for many common household tasks. And it peacefully coexists with modern wireless home control technologies. DHC is extraordinarily flexible. By remote or keypad, it allows you to turn lights and appliances on and off, dim lights or make them brighter, or create a mood by commanding certain lights to work together. DHC incorporates X10 Power Line Carrier (PLC) technology. And DHC is equipped with Intellisense™ circuitry to overcome some of the more common interference problems in other X10 based systems. This exclusive Leviton innovation allows DHC Receivers to ignore most of the noise that is on your power line to maintain the integrity of your commands.

In performance, in appearance, in installation, DHC is a truly elegant solution.



Intellisense™ is a trademark of Leviton Manufacturing Co., Inc.

DHC Controllers — Green Line

Specifications and Features

Toscana™ Deluxe Programmer

- Central access station for manual control of the system
- No programming experience required – use simple wizards for setup
- Automatically turns appliances ON/OFF and lights ON/OFF/DIM/BRIGHT
- Controls up to 256 devices in a DHC home system
- Leviton's patented Intellisense technology reduces signal problems due to line noise
- 2-way communication capability registers status changes when receivers with 2-way communications are manually changed
- Permits input of real device names to specify control (such as "wall sconce") rather than cryptic house and device codes (e.g. B5)
- Automatically turns lights ON/OFF at dusk and/or at dawn (astronomical clock)
- Allows creation of up to 64 timed events that can reoccur annually
- Creates and downloads complex timed events and macros using a PC with RS-232 port
- Backs up and restores all system data; allows cloning of devices using a PC with RS-232 port
- Mounts in standard 4-gang box
- No external wall transformer or power line interface required
- Creates up to 64 lighting scenes to create lighting moods
- Accesses any of the 64 scenes from the Toscana front panel (eight at any single time)
- Accesses any of the scenes remotely with the HXC7S-1TW scene keypads
- Accesses any of the scenes using ten learned infrared codes
- Learned infrared codes can be taught using any standard IR remote

Wall Switch Controllers

- Fits in standard wallboxes and replaces regular switches to provide DHC control capability as indicated in "Description"
- Power line based 2-way communication allows status of receivers changed manually to be reflected in the controller
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Uses existing 120VAC 60Hz wiring to send command signals
- Compatible with Decora *PLUS*™ screwless wallplates and Decora wallplates
- Green LED illuminates to confirm ON command sent or STATUS ON report received
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

RF Components

- Ultra-compact key chain remote adds to home security by allowing users to turn lighting ON as they approach entranceway, garage or driveway
- Plug-in transceiver features Intellisense technology for optimum reliability, power line based 2-way signaling capability and easy one button programming. Must be used with universal remote and key chain remote
- Limited Two-Year Warranty

Toscana™ is a trademark of Leviton Manufacturing Co., Inc.



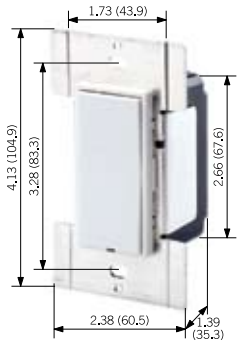
HCCPG-1TW

Toscana™ Deluxe Programmer

Toscana is a simple central access station that expands DHC control capability with easy one touch access for up to 64 lighting scenes along with direct remote control of up to 256 devices. Scenes can be accessed by an IR remote or from remote scene lighting control keypads. Toscana provides complex date/time and macro automated programming of lights and appliances. Timed events (up to eight groups) can be selected and run on a recurring basis using a highly accurate internal astronomical clock. Toscana registers status changes when DHC receivers with 2-way communication are manually changed.

TOSCANA™ DELUXE PROGRAMMER

Description	Rating	Cat. No.
Toscana Deluxe Programmer – white frame and white cover; neutral required	No Load Rating 120VAC 60Hz	HCCPG-1TW



HXC10-1TW

COLOR CHANGE KITS

Description	Cat. No.
Smoke Cover/White Frame	DCKPG-0SW

TESTING AND CODE COMPLIANCE

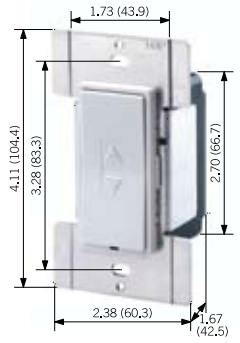
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

Shipped with white frame and white cover
See chart for color change kits



HXC1D-1TW

WALL SWITCH CONTROLLERS WITH 2-WAY COMMUNICATION

Description	Cat. No.
1-Address ON/OFF Controller – One ON/OFF rocker transmits ON/OFF commands to one address	HXC10-1TW
ALL LIGHTS ON/ALL OFF Controller – One ALL LIGHTS ON/ALL OFF rocker transmits commands to all receivers set to the same letter code as this controller. Provides "Panic Button" lighting control for safety and security. NOTE: Receptacle receivers and 6337 Universal Low Voltage Module do not respond to ALL ON command.	HXC1A-1TW
1-Address Dimming Controller – One ON/OFF rocker transmits ON/OFF commands to one address in the same letter code as this controller. Built-in arrow-shaped rocker transmits DIM/BRIGHT commands to that same address.	HXC1D-1TW
2-Address Dimming Controller – Two sets of ON/OFF buttons transmit ON/OFF commands to two sequential addresses in the same letter code as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.	HXC2D-1TW
3-Address Dimming Controller – Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group established on this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.	HXC3D-1TW



HXC2D-1TW

Description	Cat. No.
4-Address Dimming Controller – Four sets of ON/OFF buttons transmit ON/OFF commands to four sequential addresses in the same letter code group as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.	HXC4D-1TW
3-Address Dimming, ALL LIGHTS ON/ALL OFF Controller – Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address. One set of ALL LIGHTS ON/ALL OFF buttons transmits commands to all receivers set to the same letter code as this transmitter. NOTE: Receptacle receivers and 6337 Universal Low Voltage Module will not respond to ALL ON command.	HXC4A-1TW
7-Scene Dimming Controller – Each of 7 SCENE buttons transmits ON commands at preset levels to 12 sequential addresses in the same letter code as this controller. NOTE: 12-address sequence continues at address 1 if address 16 is reached before all sequential addresses are completed. May be used with all Leviton scene capable receivers. One set of SCENE BRIGHT/SCENE DIM buttons transmits SCENE DIM/BRIGHT commands to most recently selected scene. One OFF button transmits OFF command to most recently selected scene. Green LEDs illuminate to indicate ON command sent or SCENE ON command detected. Green LED illuminates to indicate OFF command sent. NOTE: The HXC7S-1TW utilizes extended code format. This command structure is compatible with HCA02-10E DHC System Amplifier/Coupler/Repeater but is not compatible with the older version of the System Amplifier (6201).	HXC7S-1TW

No more than four controllers should be installed on a single branch circuit.



HXC3D-1TW



HXC4A-1TW

COLOR CHANGE KITS

Controller	White	Ivory	Almond	Gray	Black
HXC10-1TW, HXC1A-1TW	DRK0S-0LW	DRK0S-0LI	DRK0S-0LA	DRK0S-0LG	DRK0S-0LE
HXC1D-1TW	DRK1D-00W	DRK1D-00I	DRK1D-00A	—	—
HXC2D-1TW	DCK2D-0CW*	DCK2D-00I*	—	—	—
HXC3D-1TW	—	DCK3D-00I	DCK3D-00A	—	—
HXC4A-1TW	DCK4A-00W	DCK4A-00I	DCK4A-00A	—	—
	DCK4A-0CW*	DCK4A-0CI*	—	—	—
HXC4D-1TW	DCK4D-00W	DCK4D-00I	DCK4D-00A	—	—
	DCK4D-0CW*	DCK4D-0CI*	DCK4D-0CA*	—	—
HXC7S-1TW	DCKS7-00W	DCKS7-00I	DCKS7-00A	DCKS7-00G	DCKS7-00E
	DCKS7-0CW*	DCKS7-0CI*	DCKS7-0CA*	DCKS7-0CG*	DCKS7-0CE*

*With printable labels.



HXC7S-1TW

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR
All devices are shipped in white only.
See chart for compatible color change kits



HCPRF-1TW



HCCKR-E

RF COMPONENTS

Description	Cat. No.
HCCKR Plug-In Transceiver – Accepts RF (radio frequency) DHC commands from the ON/OFF commands. Plugs into any standard receptacle and provides a built-in outlet for ON/OFF switching of incandescent lamps rated 300W max. @ 120VAC. Two-way communication permits local status of attached lamp to show on all 2-way capable DHC controllers. Unit will re-transmit commands for up to 256 DHC addresses. Color: White	HCPRF-1TW
Key Chain Remote Controller – Designed to fit on a key chain and send RF (radio frequency) command signals to HCPRF DHC Plug-In Transceiver. With an operating range of up to 50 ft. through walls and ceilings, it sends ON/OFF commands for any two sequential DHC addresses (addresses are user programmable). Ideal for control of home lighting from a vehicle when entering garage or driveway. Uses long-life 3V CR2032 lithium battery (included). Must be used with HCPRF Transceiver. Color: Black	HCCKR-E

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-69519)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
  Note: HCCUR is CSA Certified only.
  HCPRF - 1TW is UL Listed, CSA Certified and NOM Certified. UL and CSA not required for 1HCCKR-E

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

DHC Controllers — Red Line

Specifications and Features

- Programmer adds user devised scheduling to DHC automated control of lights and appliances for greater convenience, energy savings and security
- Programmer and controllers send DHC switching commands over existing 60Hz 120VAC house wiring
- Limited Two-Year Warranty



6320

PROGRAMMER/CONTROLLER PRODUCTS

Description	Cat. No.
Table Top Controller** – Provides manual remote control for all 256 DHC addresses. Command functions include ON/OFF, ALL LIGHTS ON/ALL OFF and DIM/BRIGHT. The 6320 plugs into any 120VAC receptacle to transmit command signals over existing AC wiring.	6320

POWER TO CONTROL SIDE: 125V 60HZ AC ONLY

LV Lead Color	Transmits To
Brown	A4*
Blue	A1*
Orange	A2*
Yellow	A3*

*Of any four sequential address codes within the same letter code group as the transmitter. CSA Certified except where indicated by **.
No more than four controllers should be installed on a single branch circuit.
NOTE: An HCA02-10E System Amplifier must be installed in all panels in every DHC installation to ensure adequate signal strength.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

DHC Receivers — Green Line

Scene Capable Wall Dimmers and Switches

Dimming wall switch receivers provide manual and remote ON/OFF switching and full range dimming for incandescent and magnetic low voltage loads. All feature Leviton's exclusive Intellisense technology to ensure top performance and reliability, even when noise is present on the AC power line. The preset feature turns lights ON at the last selected brightness level. And the soft ON/fade OFF feature provides an eye-pleasing effect and extended bulb life. Receivers are scene capable when used with HCCPG-1TW Toscana Programmer and HXC7S 7-Scene Controller and will respond to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE commands.

Scene Capable Wall Dimmers (with LED Locator)

These scene capable receivers also provide 1-button programming for scene and address capturing and feature an LED brightness level display. Double Tap feature immediately adjusts light to full brightness without affecting the last selected brightness level. The HXS08-1TW Electronic Switch Receiver (2-way non-dimming) provides manual and remote ON/OFF switching for incandescent, magnetic low voltage, fluorescent and compact fluorescent lighting. Plus all 2-way receivers allow power line based 2-way status tracking with the DHC Toscana Deluxe Programmer and new 2-way capable controllers when receivers are changed locally.

Specifications and Features

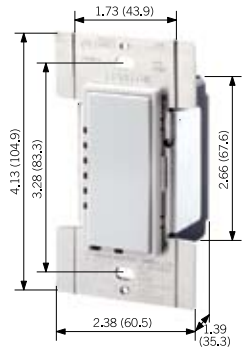
Wall Dimmers and Switches

- 1-button programming
- Provides scene control capability when used with HXC7S-1TW DHC Scene Controller and HCCPG-1TW Toscana Programmer. Also backward compatible with 16400/16450-S and 16400/16450-SD Scene Controllers
- Soft ON/fade OFF brightness levels extend bulb life
- LED locator and brightness display alongside rocker (LED models only)
- Fits in standard wall boxes
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Protected memory during minor power fluctuations
- Packed with ivory and white snap-on rocker/frame kit; optional snap-on rocker/frame color change kits sold separately. See color change kit chart
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

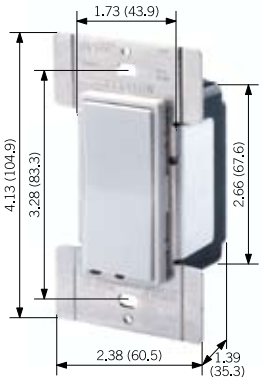
Modules

- Plug-in design requires no wiring
- HXP15-1TW provides manual and remote ON/OFF switching of plug-in lamps and appliances
- HCP03-10W provides manual and remote ON/OFF switching and full-range dimming for plug-in incandescent lamps
- 1-button programming through address capturing
- Scene capable when used with HXC7S-1TW 7-Scene Controller and HCCPG-1TW Toscana Deluxe Programmer
- Protected memory maintains status of plug-in loads and address programming during minor power fluctuations
- HXP15-1TW provides status tracking to notify power line based 2-way capable controllers of manual status changes
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Limited Two-Year Warranty

SCENE CAPABLE WALL DIMMERS AND SWITCHES



HCM06-1D



HCM06-1S

Description	Rating	Cat. No.	Color
Dimming Wall Switch Receiver with 1-button programming, LED locator and LED brightness display; 3-way capable when used with MS00R-10 Remote	Incandescent: 600W Magnetic Low Voltage: 600VA (450W) 120VAC 60Hz	HCM06-1D	W
Dimming Wall Switch Receiver with 1-button programming, LED locator and LED brightness display; 3-way capable when used with MS00R-10 Remote	Incandescent: 1000W Magnetic Low Voltage: 1000VA (750W) 120VAC 60Hz	HCM10-1D	W
10 Amp Switch (non-dimming) with LED locator – Single pole and 3-way (multi-location) when used with MS00R-10 Remote; neutral required; requires 6287 when used with electronic loads such as compact fluorescent lamps	Incandescent: 1200W Fluorescent and Magnetic Low Voltage: 1200VA 10A-120VAC 60Hz	HCS10-1S	W
8 Amp Electronic Switch Receiver (non-dimming) with LED locator, 1-button programming and 2-way communication; neutral required	8A Incandescent: 1000W Fluorescent and Magnetic Low Voltage: 1000VA (750W)	HXS08-1T	W
Dimming Switch – Single pole and 3-way (multi-location) when used with MS00R-10 Remote, no LEDs; no neutral required for incandescent loads	Incandescent: 600W Magnetic Low Voltage: 600VA (450W) 120VAC 60Hz	HCM06-1S	W
Dimming Switch – Single pole and 3-way (multi-location) when used with MS00R-10 Remote, no LEDs; no neutral required for incandescent loads	Incandescent: 1000W Magnetic Low Voltage: 1000VA (750W) 120VAC 60Hz	HCM10-1S	W

Related Products

Use Leviton Power Extenders to extend the load capacity of DHC dimming wall switch receivers. **See page 227 for more information.**

COLOR CHANGE KITS FOR WALL DIMMERS AND SWITCHES

Rocker and Frame

Receiver	White	Ivory	Almond	Gray	Black
HCM06/10-1D	DRKDD-1LW	DRKDD-1LI	DRKDD-1LA	DRKDD-1LG	DRKDD-1LE
HXM06/10-1T	DRKDD-1LW	DRKDD-1LI	DRKDD-1LA	DRKDD-1LG	DRKDD-1LE
HXS08-1T	—	DRK0D-1LI	DRK0D-1LA	DRK0D-1LG	DRK0D-1LE
HCS10-1S	DRK0S-0LW	DRK0S-0LI	DRK0S-0LA	DRK0S-0LG	DRK0S-0LE
HCM06/10-1S	—	DRK0D-1LI	DRK0D-1LA	DRK0D-1LG	DRK0D-1LE

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- UL 1472 Listed

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR
Colors available as listed. See chart for rocker and frame kits (available separately). Ivory kit included

SCENE CAPABLE PLUG-IN RECEIVER MODULES

Description	Rating	Cat. No.
Plug-In Appliance Module with 1-Button Programming and 2-Way Communication – It responds to ON, OFF, ALL LIGHTS ON/ALL OFF and SCENE COMMANDS, and its push button allows manual ON/OFF control. A status tracking feature notifies 2-way capable controllers of manual status changes, and Intellisense technology delivers the utmost in reliability, even with constant noise on the AC power line. With LED locator light.	120VAC 60Hz	HXP15-1TW
Plug-In Lamp Module with 1-Button Programming – HCP03 is also backward compatible with 16400/16450-S and 16400/16450-SD DHC Scene Controllers. The HCP03 responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands, and it features "load sensing", which allows a lamp to be turned ON manually using the lamp's own switch or the ON/OFF button on the module.	120VAC 60Hz	HCP03-10W



HXP15-1TW

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



HCP03-10W

DHC Receivers — Red Line

Specifications and Features

Wall Switch Receivers
- Fits in standard wall boxes and replaces regular switches to provide manual and remote ON/OFF switching of lighting and appliances. 6381-WI dimming switch rated for incandescent lighting only
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Uses existing 60Hz 120VAC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Wall Switch Remotes and Receivers
- Remote units provide multi-location capability to dimmer and switch receivers
- Fits in standard wall boxes to replace regular switches
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- 6371 heavy duty appliance switch available for automated control of heavy duty loads such as air conditioning and pool pumps
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Receptacle Receivers
- Available in commonly used NEMA configurations
- Fits in standard wall boxes to replace regular receptacles
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Receiver Modules
- Universal low voltage module can automate devices operated at low voltages such as sprinklers, skylights and heating/AC systems
- Fixture modules provide direct control for fixtures where only remote control is necessary
- Limited Two-Year Warranty

WALL SWITCH RECEIVERS

Description	Rating	Cat. No.
Single Pole Switch provides manual and remote ON/OFF control. Neutral connection required. The pilot light is ON when switch is ON. Packed with ivory and white rocker and frame. Kits for other colors must be purchased separately (see chart). Requires 6287 when used with electronic loads such as compact fluorescent lamps.	15A-120 60 Hz Incandescent, Inductive or Resistive	6291-WI
3-Way (Multi-Location) Switch provides manual and remote ON/OFF control in multi-station switching circuits when used in conjunction with one or more Remote Switches. Neutral connection required. The pilot light is ON when switch is ON. Packed with ivory and white rocker and frame. Kits for other colors must be purchased separately.	15A-120VAC 60Hz Incandescent, Inductive or Resistive	6293-WI

COLOR CHANGE KITS FOR WALL SWITCH RECEIVERS

Rocker and Frame

White	Ivory	Almond	Gray	Black
DRK0R-00W	DRK0R-00I	DRK0R-00A	DRK0R-00G	DRK0R-00E

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



6293-WI

WALL SWITCH REMOTES AND RECEIVERS

Description	Rating	Cat. No.	Color
3-Way and 4-Way (Multi-Location) Remote Switch — For use with 6293 DHC Multi-Location Switch as a remote switch. The 6294 provides 3-way, 4-way and higher-level control in conjunction with these units. It cannot be used for any other purpose in the DHC network. For use with 6293 unit only.	No Load Rating - 120VAC	6294	W, I, A
Double Pole Wall Switch - provides local and remote ON/OFF control. Intended for control of pool pumps, air conditioning units, spa heaters and pumps and other large residential loads.	20A 2HP 250VAC 60Hz	6371	I

COLOR CHANGE KITS FOR WALL SWITCH RECEIVERS

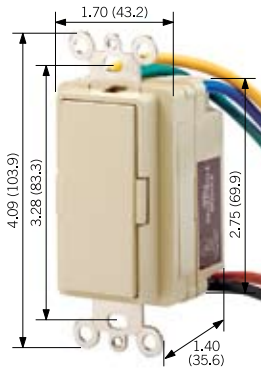
Rocker and Frame

Ivory	White	Almond	Gray	Black
DRK0R-00I	DRK0R-00W	DRK0R-00A	DRK0R-00G	DRK0R-00E

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

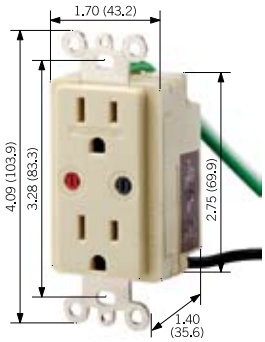
MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR
To order specific colors, add suffix to Cat. No. as follows: White (-W), Ivory, (-I), Almond (-A)

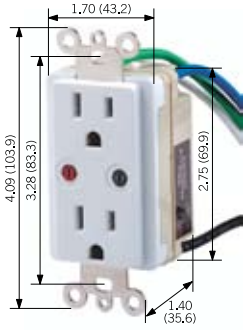


6371-1

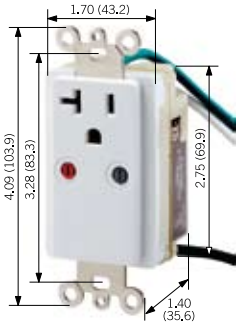
RECEPTACLE RECEIVERS



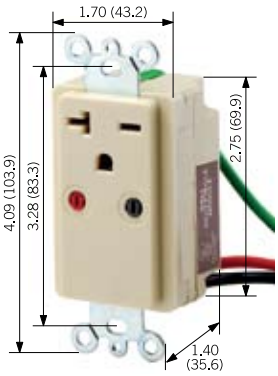
6227



6280



6296



6298

Description	Rating	Cat. No.	Color
Split Duplex Wall Receptacle – Its top outlet provides remote ON/OFF load control in response to controller command signals, and its bottom outlet is continuously live. The 6227 will not respond to ALL LIGHTS ON command.	15A-120VAC 60Hz AC only; NEMA 5-15R 	6227	W, I, A
Duplex Wall Receptacle – Same as 6227, but with both top and bottom outlets providing ON/OFF control in response to controller command signals. Feed-through load lead allows control of receptacles downstream. No local control available.	15A-120VAC 60Hz AC only; NEMA 5-15R 	6280	W
Single Wall Receptacle** - provides ON/OFF control, and no local control is available. ALL LIGHTS ON command.	15A-120VAC 60Hz AC only; NEMA 5-20R 	6296	W, I
Single Wall Receptacle** - Equipped with Intellisense (gated automatic gain control). The 6298 provides ON/OFF control, and no local control is available. It wires easily into any standard wall box using supplied 6-inch leads. It will not respond to ALL LIGHTS ON command.	20A-250VAC 60Hz AC only; NEMA 6-20R	6298	W

CSA Certified except where indicated by **.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

To order specific colors, add suffix to Cat. No. as follows: White (-W), Ivory, (-I), Almond (-A)

RECEIVER MODULES

Description	Rating	Cat. No.
Universal Low Voltage Module – This receiver interfaces between the low voltage device and the 120VAC wiring network. It can operate sprinkler systems, designated lighting, skylight closures, heating systems, garage door openers and other lighting and motor loads. The 6337 can be set to operate the relay only, the alarm only, or both the relay and the alarm. Can also be set for momentary operation so that the relay and/or the alarm will be turned on for approximately 2 seconds in response to any ON command. Does not respond to ALL LIGHTS ON or DIM/BRIGHT commands. Contacts: 5A 12V DC, 100VA 30V DC Inductive	No Load Rating 120VAC 60Hz AC only	6337
Fixture Relay Module – Can be mounted at either an incandescent or fluorescent fixture by means of adhesive strips. Responds to ON/OFF commands from controllers. Equipped with leads for easy installation.	15A-120VAC 60Hz AC only, Incandescent, Inductive or Resistive	6375
Dimming Fixture Module – Can be mounted at an incandescent fixture by means of adhesive strips. Responds to ON/OFF, DIM/BRIGHTEN and ALL LIGHTS ON/ALL OFF commands from controllers. Equipped with leads for easy installation.	300W Incandescent 120VAC 60Hz AC only	6376



6337



6375

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

Related Products
Use Leviton Power Extenders to extend the load capacity of DHC dimming wall switch receivers. **See page 227 for more information.**

DHC RF Products, Amplifiers and Noise Filters

Specifications and Features

Surge Protective Devices
- Real time diagnostic visual indicator shows power and suppression status for each protected phase
- 51110-PTC Multi-Media Panel protects AC, phone/fax/modem and CATV/satellite lines from transient voltage surges
- 52120-M2H features user-replaceable surge modules
- Limited Ten-Year Warranty

Couplers and Attenuator
- HCA02-10E System Amplifier/Coupler/Repeater must be installed in all DHC installations to ensure adequate signal strength
- 6284 and 6285 are used to stop extraneous noise and signals from degrading DHC network operation.
- Limited Two-Year Warranty

Wall Switch Receiver
- These devices are designed to eliminate interference from appliances, electronic ballasts and home electronics in order to ensure top performance from DHC systems
- Limited Two-Year Warranty

Network Integrity Products

Panel-Mounted Surge Protective Devices (SPD) – Provides homes with protection from high-energy transient voltage surges that can damage sensitive electronic circuits in computers, audio and video components and electronic appliances. DHC components incorporate micro-circuitry and Leviton highly recommends protecting the DHC network from power line surges. Leviton panel-mounted surge protective devices feature unique hybrid suppression circuitry for outstanding surge protection. The following devices are compatible with all DHC components.



51120-1



51110-PTC

NETWORK INTEGRITY PRODUCTS

Description	Max. Surge Current (8 X 20µs wave) L-N	UL1449 Rating L-N	Rating	Cat. No.
Single Phase – Standard J-box metal enclosure with pre-punched standard knockouts	50kA	500V	120/240VAC	51120-1
3 Phase WYE – Standard J-box metal enclosure with pre-punched standard knockouts	50kA	500V	120/208VAC	51120-3
Single Phase – NEMA 3R enclosure suitable for outdoor use	50kA	800V	120/240VAC	51120-3R
Single Phase – Features sine wave tracking, redundant protection and replaceable/surge modules; NEMA 12 enclosure with hinged cover	100kA	400V	120/240VAC	51120-M2H
Single Phase Multi-Media Panel – Provides surge protection for AC power line, 2 pairs of phone/fax/ modem connections and dual CATV/satellite feeds using F connectors; painted steel NEMA 1 enclosure with 4 perforated 7/8" knockouts	AC: 48kA Tel: 1.9kA @ 3.8kV CATV: 2kA	AC: 400V Tel: 220V CATV: 25V	120/240VAC	51110-PTC

Note: A panel-mounted surge protective device should be installed at the service panel in every DHC installation.

TESTING AND CODE COMPLIANCE
- Listed to UL 1449 (2nd Edition) Standards
- UL Listed (File #E-146315)
- CSA Certified (File #LR-94773)
- NOM Certified (#057)

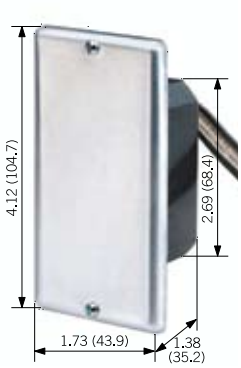
MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

NETWORK INTEGRITY PRODUCTS

Description	Rating	Cat. No.
System Amplifier/Coupler/Repeater with Built-In Test Signal Generator – Performs a variety of functions to ensure outstanding DHC system performance and reliability. Couples transmitter (programmer and controller) signals generated on the 120V leg where the transmitter draws power onto the other leg in a 120/240V single phase 3-wire residential wiring system. The HCA02-10E also amplifies and repeats command signals to maintain proper signal strength through the DHC system. Green pilot light indicates unit has power. Lamp will indicate when signal is being transmitted. A red error LED indicates the Intellisense feature is activated. The unit provides convenient test signal transmission for easy signal strength verification at individual DHC module locations using the 6386 Signal Strength Indicator. The HCA02-10E should be installed at the main panel on its own dedicated 15A breaker in accordance with NEC requirements. The HCA02-10E cannot be used in a 3-phase system.	—	HCA02-10E
Signal Bridge/Passive System Coupler – Couples the DHC command signal onto the 120V legs of the power system to ensure sufficient command signal strength throughout the DHC network. (NOTE: 6299 should NOT be installed in the same panel as HCA02-10E).	120/240V 60Hz AC only	6299
Signal Attenuator, 2-Phase – Attenuates ("knocks down") external noise and signal levels entering the DHC network. The 6285 can be used to block interference from appliances, electronic ballasts and home electronics to ensure top performance from the DHC network. Also used to block signal leakage (attenuation) caused by capacitive filters and electronic power supplies.	2-Phase 120/240V and 120/208V 60Hz AC only	6285
Multi-Phase Blocking Coupler – The 6284 is installed between the incoming electrical service and the service panel in apartment buildings, condominiums, attached-unit dwellings and homes sharing the same side of the electrical transformer. Keeps extraneous electronic noise and signals from entering or leaving the DHC network.	120V, 120/240V and 120/208V 60Hz AC – Max. 200 Amp panel	6284



HCA02-10E



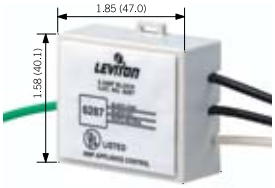
6299

Note: An HCA02-10E System Amplifier must be installed in all panels in every DHC installation to ensure adequate signal strength.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

NETWORK INTEGRITY PRODUCTS



6287



6288



6289



6386

Description	Rating	Cat. No.
Noise Block- The 6287 is designed for use with DHC switch modules that include a means for connection to neutral. This device may be wired on the LOAD side of a DHC switch module (except 6383), or on the LINE side of any fixture using an electronic ballast, a low voltage ballast or any noise generating source that does not require more than 5A 120VAC. The 6287 prevents interference generated by fixture components from interfering with DHC signals.	5A-120V 60Hz AC only	6287
Plug-In Noise Filter – Electrical appliances may generate "noise" that could interfere with proper signal transmission. When the offending appliance is isolated and plugged into the 6288 Noise Filter, which is in turn plugged into a receptacle, stray noise is filtered out, ensuring a clear signal. Color: Brown	5A-120V 60Hz AC only	6288
In-Line Noise Reducer – The 6289 Noise Reducer filters electrical "noise" and signals with frequencies above and below the 121 kHz signal. The 6289 may be installed at the "noise" or signal source or at the module affected by the interference. Depending on the source of the interference, the 6289 may be wired phase to neutral or phase to phase.	—	6289
DHC Power Line Carrier Test Equipment Signal Strength Indicator – Measures command signal strength at individual module locations. Minimum signal strength required for proper DHC Power Line Carrier component operation is 100mV.	—	6386

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



Lampholders

INDEX

Commercial Grade

Medium Base Incandescent Outlet Box 192
Metal Shell 194
Multi-Lampholder Clusters 195
Mogul Base Incandescent 197
Medium Base Incandescent 199
Cadelabra Medium Base Incandescent 202
Keyless Fluorescent Ceiling Lampholders..... 204
Medium, High Output and Slimline 205
Medium and Miniature Bi-Pin Lamps 206
Medium Bi-Pin Lamps 208
Long Twin Tube With 2G11 Base 212
Lamp Support Clips for
Long Twin Tube 2G11 Base 214
Compact Fluorescent Lampholders (CFLs) 215
“Smart” CFL Lampholders 217
GU24 Base Fluorescent 221

Medium Base Incandescent Outlet Box Lampholders

Specifications and Features

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base



8827-CW2



9875-2



29816-C

MEDIUM BASE INCANDESCENT OUTLET BOX LAMPHOLDERS

White Urea One-Piece Keyless Top Wired

Description/Terminals	Rating	Cat. No.	OD	Fits Box Size
2 Terminal Screws	600 WATT/600V	8829-CW1	4 1/2"	3 1/4" or 4"
6" Pigtail Leads	600 WATT/600V	8829-CW2	4 1/2"	3 1/4" or 4"
4 Terminal Screws	600 WATT/600V	8829-CW4	4 1/2"	3 1/4" or 4"

White Urea One-Piece Pull Chain Top Wired

Description/Terminals	Rating	Cat. No	OD	Fits Box Size
2 Terminal Screws	660 WATT/250V	8827-CW1	4 1/2"	3 1/4" or 4"
6" Pigtail Leads	660 WATT/250V	8827-CW2	4 1/2"	3 1/4" or 4"
2 Terminal Screws with Captive Clamps	660 WATT/250V	8827-CW4	4 1/2"	3 1/4" or 4"

Porcelain One-Piece Keyless Top Wired

Description/Terminals	Rating	Cat. No	OD	Fits Box Size
2 Screws◊	660 WATT/250V	9874	3 3/4"	3 1/4"
2 Screws, no Cage Lip	660 WATT/250V	9875	4 1/2"	3 1/4" or 4"
6" Pigtail Leads, no Cage Lip	660 WATT/250V	9875-2	4 1/2"	3 1/4" or 4"
4 Screws	660 WATT/250V	49875	4 1/2"	3 1/4" or 4"
4 Quickwire Push-In◊	660 WATT/250V	9883	4 1/2"	3 1/4" or 4"

Porcelain One-Piece Pull Chain Top Wired

Description/Terminals	Rating	Cat. No	OD	Fits Box Size
2 Screws	660 WATT/250V	29816-C	4 1/2"	3 1/4" or 4"
6" Pigtail Leads	660 WATT/250V	29816-C2	4 1/2"	3 1/4" or 4"
2 Screws w/Captive Clamps for 4-Wire Terminals	660 WATT/250V	49816-C	4 1/2"	3 1/4" or 4"
Interior Mechanism for 2-Piece Outlet Box Lampholders◊	660 WATT/250V	29816-CM*		

*When existing stock is depleted, this item will be DISCONTINUED.
CSA Certified except where indicated by ◊.

Porcelain One-Piece Pull Chain Side Wired

1-15R

Description/Terminals	Rating	Cat. No.	OD	Fits Box Size
2 Screws◊	15 Amp/125V	9716-C	4½"	3¼" or 4"



9716-C

Porcelain One-Piece Pull Chain Top Wired

5-15R

Description/Terminals	Rating	Cat. No.	OD	Fits Box Size
2 Screws◊	15 Amp/125V	9726-C	4½"	3¼" or 4"

*When existing stock is depleted, this item will be DISCONTINUED.
CSA Certified except where indicated by◊.



9726-C

BALL AND CHAIN ACCESSORIES

Description	Color	Cat. No.
No. 6 Chain; ⅛" Dia. Balls	Brass Finish	18302-1
	Nickel Finish	18302-1N
Connector for No. 6 Chain	Brass Finish	9820
	Nickel Finish	9820-N
Chain, 3 feet long, End Bell and Connector use as extension or replacement; 1/25" Dia. Balls	Brass Finish	6
	Nickel Finish	6-N

Description	Color	Cat. No.
Insulating Link; Thermoplastic 1¾" Total Length	White	9839


18302-1N

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)


9820

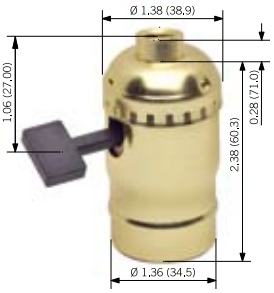

6


9839

Metal Shell Lampholders

Specifications and Features

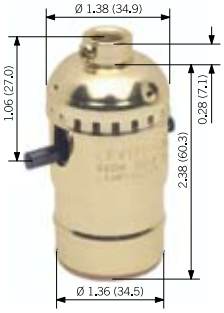
- Phenolic interior with aluminum screwshell
- 2-Circuit lampholders operate dual-filament lamps in sequence of Low-Medium-High-Off
- Cat. No. 7070 (2-Circuit, 3-Terminal) is wired in series with keyless lampholder



9346



7090



7080



95110

METAL SHELL LAMPHOLDERS

Medium Base, Choice of Finishes*

Description	Rating	Cat. No.
Key—Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screw	250W 250V	9346
Removable Turn Knob—Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screw	250W 250V	10083-16
Removable Turn Knob—Electrolier; 2-Circuit; 3 Terminal; 1/8 IPS Tapped Bushing less Set Screw	250W 250V	7070
Removable Turn Knob—Electrolier; 2-Circuit; 1/8 IPS Tapped Bushing	250W 250V	7090
Pull Chain—Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screws	660W 250V	19980
Push Through—Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screw	660W 250V	7080
Keyless—Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screw	660W 250V	8004
Keyless—Short Electrolier; Single Circuit; 1/8 IPS Tapped Bushing w/Set Screw	660W 250V	9347

INTERIORS

Medium Base, Phenolic Body, Aluminum Screw Shell†

Lampholder	Cat. No. Interior†
19980	19980-M†
10083-16	10083-M†
7070	7070-M†
7090	7090-M†
9346	9346-M†
6098	7080-M†
8004	8004-M†

BROWN PHENOLIC CAP AND SHELL LAMPHOLDERS

Two-Piece, Medium Base Electrolier Interiors

Description	Rating	Cat. No.	Interiors†
Pull Cord (nylon); 2-Circuit, 1/8 IPS Threaded Cap w/Set Screw	250W 250V	97092	7092-2M†
Push-Through; 1/8 IPS Threaded Cap w/Set Screw	660W 250V	95110	7080-M†
Keyless; 1/8 IPS Threaded Cap w/Set Screw		95080	8004-M†

* FINISH: A suffix must be added to each basic catalog number to indicate the finish desired. For Polished Gilt/Brass finish, add -PG; for Unfinished Aluminum, add -AL; for Polished Aluminum, add -NI (finishes on aluminum). For bright dip/Brass, add -BR (finish on brass). CONSULT LEVITON REPRESENTATIVE FOR AVAILABILITY OF FINISHES.
† UL Recognized component.
NOM Certified except where indicated by †.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057), except interiors

Multi-Lampholder Clusters

Specifications and Features
- Pull chain models have bell at end of chain on 3 foot cord
- Medium and Candelabra bases
- Par connectors have white, unglazed porcelain body

MEDIUM BASE MULTI-LAMPHOLDER CLUSTERS

Treated Aluminum Screw Shell

Description	Rating	Cat. No.	T	TA	B	BA	OAH T+B
2-Light Twin 1/8 IPS Male Top Bracket Only	660W 250V	4020-A3A	1 5/16	5/16	—	—	—
2-Light Twin 1/8 IPS Male (top & bottom)	660W 250V	4015-D4F	1 11/16	5/16	1 11/16	7/16	3 3/8
2-Light Offset 1/8 IPS Male (top & bottom)	660W 250V	4032-E5F	1 3/4	5/16	1 3/4	7/16	3 11/16
3-Light 1/8 IPS Male (top & bottom)‡	660W 250V	341-D4U	1 3/4	1/2	1 3/4	7/16	3 1/2
2-Light Offset 1/8 IPS Male (top); Pullchain Switch (bottom) with 1/2" usable shank◊	660W 250V 1A 125V T	4034-F5A	1 3/4	5/16	1 15/16	1/2	3 3/4+
2-Light Twin 1/8 IPS Male (top); Pullchain Switch (bottom) 3/8" usable shank◊	660W 250V 1A 125V T	4017-D2F	1 1/16	5/16	1 11/16	3/8	2 13/16 +



4034-F5A

+Includes nut. Leads are No. 18 AWG 105°C plastic; 9" long, stripped 3/4"; untinned and pulled through top bracket.
All devices are UL Listed except Cat. No. 905. Also CSA Certified except where indicated by ◊, and NOM Certified except where indicated by ‡.

PORCELAIN PAR CONNECTORS

Description	Rating	Cat. No.
Medium Base for PAR #46 and #38 lamps. Leads are No. 14 AWG 200°C SEW-2 Silicone Rubber Insulated; 18" Long, Stripped 3/4". Others available on inquiry‡	660W 125V	368-1
Mogul Base for PAR #56 and #64 lamps. Leads are No. 14 150°C SEWF-2; 18" Long, Stripped 3/4". Others available upon request	1000W 125V	357-8



341-D4U

All devices are UL Listed except Cat. No. 905. Also CSA Certified except where indicated by ◊, and NOM Certified except where indicated by ‡.

BAYONET SOCKET — SINGLE CONTACT

Candelabra Base

Description	Rating	Cat. No.
Flat Bracket. Leads are No. 18 AWG, 105°C Plastic; 6" Long, Stripped 3/4" (one black, one white)◊‡	Low Voltage	905

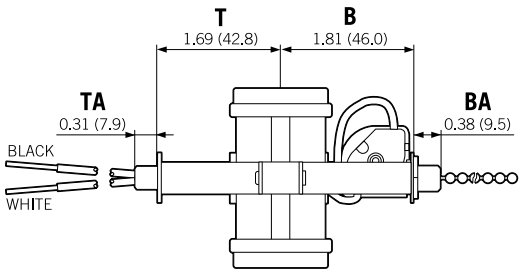


4032-E5F

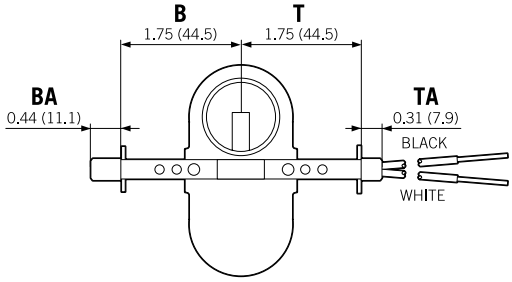
All devices are UL Listed except Cat. No. 905. Also CSA Certified except where indicated by ◊, and NOM Certified except where indicated by ‡.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-13405, E-3810)
- CSA Certified (File #LR-5863, LR-1863)
- NOM Certified (File #057)

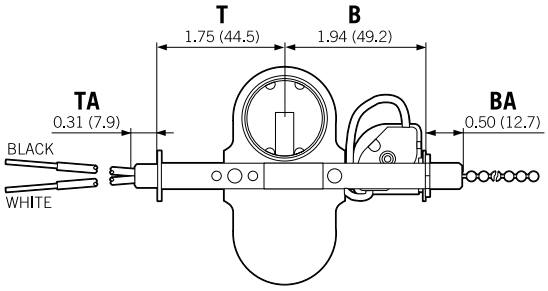
DIMENSIONS



4017-D2F



4032-E5F



4034-F5A

Mogul Base Incandescent Lampholders

Specifications and Features

- Cat. No. 8746 – Porcelain body gray glazed with ceramic arc shield; Cat. No. 8750 – Porcelain body yellow glazed; Cat. No. 8751 – Porcelain body pink glazed
- All other moguls listed have white glazed porcelain body
- Copper-alloy nickel-plated screw shell

PORCELAIN MOGUL BASE LAMPHOLDERS

With Leads UL CSA

Description	Rating	Cat. No.	OD	OH
Keyless, Single Circuit. For high pressure sodium lamps up to 1000 watts. 8-32 Mounting Screws on 1 3/8" Centers	1500W 600V 5KV Pulse-rated	8746	2 1/8	3 1/64
Keyless, Single Circuit. Positon-oriented. For Super Metalarc HID lamps. 8-32 Mounting Screws on 1 3/8" Centers	1500W 600V	8750	2 5/32	2 39/64
Keyless, Single Circuit. For high-pressure sodium lamps up to 400 watts. 8-32 Mounting Screws on 1 3/8" Centers	1500W 600V 4KV Pulse-rated	8756	2 5/32	2 39/64
Low Pressure Sodium. For use with all single-end bayonet base low pressure sodium lamps◇‡	660W 1000V	8806	1 3/8	1 5/8
Designed for Open-Fixture Shielded Metal Halide Lamps. Complies with NFPA 70-2005 for Open-Rated Fixtures. 8-32 Mounting Screws on 1 3/8" Centers	1500W 600V 4KV Pulse Rated	8751	2 5/32	2 39/64

Leads types, lengths and ratings vary with the end use applications. Standard leads as well as variations available on inquiry.
CSA Certified except where indicated by ◇, and NOM Certified except where indicated by ‡.



8746



8750

SCREW TERMINALS UL CSA

Description	Rating	Cat. No.	OD	OH
Keyless; 2-Piece; Single-Pole◇	1500W 600V	8765	2 5/16	2 23/64
Keyless;. Single Circuit with 8-32 Lock Nuts on 1 3/8" Centers. Die-cast caps available upon request	1500W 600V	8694	2 5/32	2 39/64

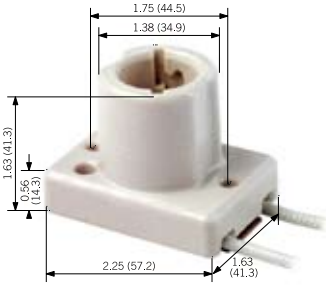
CSA Certified except where indicated by ◇.



8694

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-13402)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)
- Cat. No. 8751 complies with NFPA 70-2005 requirements for open-rated fixtures



8806

Medium, Mogul and Candelabra Base Incandescent Lampholders

Specifications and Features

- Medium-to-Medium Extenders available in phenolic and porcelain
- Pony Cleat Receptacles have open wiring terminals
- Two-piece surface-type lampholders have concealed wiring terminals with wireways for top and continuous wiring



2005

SOCKET EXTENSIONS — SINGLE CIRCUIT

Medium-Medium

Description	Rating	Cat. No.
2-Piece Porcelain; Mounting Hole 1 3/8" Dia. Extension 1 1/4"*	660W 250V	2004
1-Piece Porcelain; Slotted Mounting Hole 1 3/8" Dia. Extension 1 1/4"*	660W 250V	2005
1-Piece Phenolic. Extension 1 3/16"**	660W 250V	2006

*To be used with porcelain sockets only.
**To be used with phenolic sockets only.

Mogul-Mogul

Description	Rating	Cat. No.
1-Piece Porcelain. Extension 2 3/8"‡	1500W 600V	8647

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.



19062

SOCKET ADAPTER

Mogul-To-Porcelain Medium

Description	Rating	Cat. No.
1-piece. Meets Fed. Spec. W-L-142a‡	660W 250V	8681-
Same as above, except 4 KV Pulse-Rated‡	660W 250V 4 KV Pulse-Rated	8681-400

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.

APPLIANCE HEATING RECEPTACLE

Porcelain Two-Piece

Description	Rating	Cat. No.
2-piece Heating Receptacle. Gasket Furnished‡	660W 250V	8110

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.

PORCELAIN AND PHENOLIC LAMPHOLDERS

Pony Cleat Type

Description	Rating	Cat. No.	OD	OH	C
Candelabra Base; Plastic. Not UL Listed◊ ‡	75W 125V	10028	1 7/16	7/8	1 1/8
Miniature Base, Plastic. Not UL Listed◊ ‡	75W 125V	10020	1 5/16	7/8	3 1/32
Medium Base, Phenolic	660W 250V	9063	1 7/8	1 1/2	1 15/16
Medium Base, Porcelain	660W 250V	19062	1 7/8	1 1/2	1 15/16

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.

Surface Type

Description	Rating	Cat. No.	OD	OH	C
Medium Base; Porcelain; Low 2-Piece	660W 250V	9880	2 5/16	1 1/2	1 3/8
Medium Base; Porcelain; High 2-Piece◊‡	660W 250V	9882	2 5/16	1 7/8	1 3/8

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.



9880

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-3810; E-13396)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

Medium Base Incandescent Lampholders

Specifications and Features
- Suitable for a wide variety of fixtures, signs and displays
- Unglazed base and ring on two-piece lampholders
- Gasket supplied with two-piece ring type rated at 90°C dry maximum

PORCELAIN SNAP-IN LAMPHOLDERS

Medium Base Screw Terminals

Description	Rating	Cat. No.	OD	OH
1-Piece, Front Mounted 1/4" Shoulder Panel Thickness: .025 –.062"	660W 250V	8880	1 11/16	1 1/2
1-Piece, Front Mounted Shallow Back. Panel Thickness: .030 –.062"	660W 250V	8875	1 11/16	1 11/16

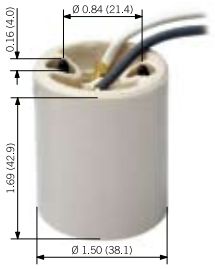


8880

PORCELAIN KEYLESS LAMPHOLDERS COMMERCIAL UNITS

Medium Base Single Circuit Screw Terminals

Description	Rating	Cat. No.	OD	OH
Straight Body with Cap. Screw Terminals	660W 250V	10045	1 1/2	2 1/8
Beaded Body for 1 1/2" Clamp Style Shadeholder with Cap Screw Terminals	660W 250V	10065	Body 1 1/2 Bead 1 5/8	2 1/8
Adjustable Glass Retaining Ring with Cap and Ring Nut. Screw Terminals	660W 250V	20070	2 1/4 ringnut	—
Straight Body with Leads. No. 18 AWG 105°C Plastic; 9" Long, Stripped 3/4" with Two 6/32 Mounting Screws	660W 250V	10085	1 1/2	1 11/16



10085

PORCELAIN KEYLESS FIXTURE SINGLE CIRCUIT

Medium Base Screw Terminals

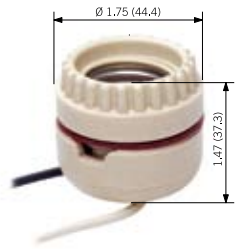
Description	Rating	Cat. No.	OD	OH
1-Piece, Front Mounted for Fixture or Sign Use. Tapped 8-32 Bushings, Mounting Centers 1 13/16".	660W 600V	9885	1 5/8	1 7/16
2-Piece, Ring Type	660W 250V	9350	1 3/4	1 3/8
1-Piece with Removable Strap◊	660W 250V	8871	1 11/16	1 9/16
Fixture Pan Lampholder with 1/8" IPS Hickey	660W 250V	3152-8	1 3/8	1 7/16

CSA Certified except where indicated by ◊ and NOM Certified except where indicated by ‡.



3152

Commercial Grade



8101

LEADS

Description	Rating	Cat. No.	OD	OH
2-Piece Ring Type with Leads: No. 18 AWG, 105°C Plastic; 9" Long, Stripped 3/4"	660W 250V	8101	1 3/4	1 3/8
Angle Pan with Leads: No. 18 AWG Type AF 150°C Plastic; 9" Long, Stripped 3/4"	660W 250V	18315	—	—
Removable Bracket with Leads	660W 250V	8052-1	1 3/8	1 7/16
Screw-Mount Pulse-Rated Lampholder with Leads for Open-Fixture Lamps; 18 AWG 200°C 600V SEW-2 (SF-2) wire; 9" Long, Stripped 1/2"	660W 600V 4KV Pulse Rated	70052-100	1 45/64	2 9/32

Two-Piece Pull Chain

Description	Rating	Cat. No.	OD	OH
Ring Type; Screw Terminals; Gasket Furnished◇‡	250W 250V	9814	1 13/16	1 13/16

CSA Certified except where indicated by◇ and NOM Certified except where indicated by ‡.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

Medium Base , Metal and Quartz Halogen Incandescent Lampholders

Specifications and Features
- Cat. No. 3352 lampholder bodies have wireways
- Side-Mounted lampholders are white glazed porcelain with copper-alloy screwshell
- Recessed Single-Contact lampholders have porcelain body with nickel-plated steel housing
- Cat. No. 560 has a metal lamp-positioning clip (patent pending) that maintains lamp seating position
- Cat. No. 565 is designed for energy-efficient CDM lamps
- Cat. No. 570 twists in and is fully dimmable



3352-1

PHENOLIC KEYLESS FIXTURE

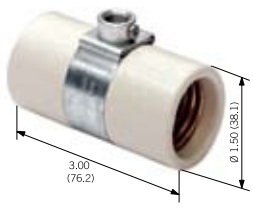
Medium Base Screw Terminals

Description	Rating	Cat. No.
Permanent Bracket. Terminal Screws Backed Out and Staked	660W 250V	3352-1
Same as 3352-1, with Shorter Bracket	660W 250V	3352-F
Removable Hickey. Terminal Screws Backed Out and Staked	660W 250V	3352-8

Hickeys and brackets are available in various types and sizes. Consult a Leviton representative for more information.

PORCELAIN KEYLESS, SIDE-MOUNTED

Medium Base Screw Terminals



4005

Description	Rating	Cat. No.
Single Lampholder w/Side Outlet Bushing — 1/8 IPS	660W 250V	10091
Twin Lampholder w/Bushed Flange — 1/8 IPS	660W 250V	4010
Twin Lampholder w/Single Outlet Bushing — 1/8 IPS	660W 250V	4005
Same as 4005 with 3/8 IPS Bushing	660W 250V	4006

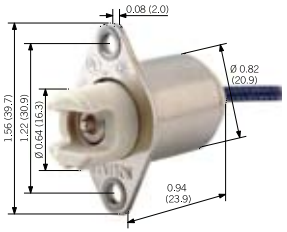
All bushings are tapped and have set screw.

CANDLE SOCKETS, BOTTOM TURN KNOB

Medium Base Screw Terminals

Description	Rating	Cat. No.
Three-light, two-piece phenolic husk. Lighting sequence: LO-MED-HI-OFF◊	250W 250V	4063

CSA Certified except where indicated by ◊.



554

LAMPHOLDERS FOR RECESSED SINGLE CONTACT LAMPS

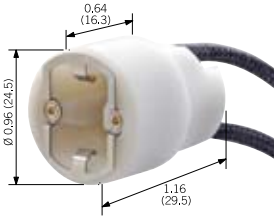
Description	Rating	Cat. No.
Front Flange Mount. Standard Leads are No. 18 AWG, Type SEW-2, 200°C, 18" Long, Stripped 3/4" ǂ	3000W 600V	554
Rear Flange Mount. Same Leads and Specs as No. 554 ǂ	3000W 600V	555

NOM Certified except where indicated by ǂ.

LAMPHOLDERS FOR METAL HALIDE AND QUARTZ HALOGEN LAMPS

Description	Rating	Cat. No.
Single-Ended Metal Halide for Lamps with a G8.5 Base. Lead-In Edge on Body Ensures Proper Lamping. Standard Leads (2) are Black 5KV Pulse Rated No. 18 AWG, Type SEW-2, 200°C 600V Wire, 9" Long, Stripped .325" ǂ	660W 600V 5KV Pulse Rated	560
Single-Ended Metal Halide for Lamps with a GX8.5 Base, such as Philips CDM-R11, rated up to 150W. Standard Leads (2) are Black No. 18 AWG, 5KV Pulse Rated SEW-2, 200°C 600V Wire, 12" Long, Stripped 1/2"ǂ	660W 600V 5KV Pulse Rated	565
Twist-In Single-Ended Quartz Halogen for Lamps with a GU10 Base, rated up to 150W. Fully Dimmable; Standard Leads (2) are White, No. 20 AWG Teflon® wire, rated 250°C 600V, 6" Long, Stripped 1/2"ǂ	660W 600V 5KV Pulse Rated	570
Twist-In Single-Ended Socket for lamps with a GX10 Base, rated up to 150W. with a 5k Puls Rating. Standard leads (2) are white, No. 18 AWG Teflon wire, rated 250°C 600U, 18" long, Stripped 1/2"	1500W 6A 5k Pulse Rated	571

NOM Certified except where indicated by ǂ.



560



571

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-3810) Cat. Nos. 560, 565 and 570: cULus (File #E-13405)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

Candelabra and Medium Base Incandescent Lampholders

Specifications and Features

- Candle sockets for single-light applications
- Fiber Disc Body for use with standard candle tubes
- Spring-tempered steel clip holds Cat. No. 10014-800 socket rigidly in place



4155



9805



10025



10014-800

CANDLE SOCKETS, BOTTOM TURN KNOB

Medium Base Screw Terminals

Description	Rating	Cat. No.
1-Piece Phenolic Body; 2 Leg Bracket; Single Light; Removable Interior; Knurl Nut and Lock Nut	660W 250V	4155
2-Piece Phenolic Husk & Removable Interior Husk; Single Light; Knurl Nut	660W 250V	4158

CANDLE SOCKETS, KEYLESS*

Medium Base Fiber-Disc Body, Screw Terminals

Description	Rating	Cat. No.
Solid Hickey, 2" Overall Height‡	660W 250V	8684
Adjustable Hickey. Overall Height: 4-5 3/4"	660W 250	9800

*Insulating paper liner pushes down against Hickey projections.
NOTE: These items are designed for use with standard socket candle tubes (1 15/16" dia.) and require a minimum of 13/16" dia. flat bottom of candle cup for clearance.
NOM Certified except where indicated by ‡.

CANDLE SOCKETS, PHENOLIC

Medium Base With Removable Turn Knob, Screw Terminals

Description	Rating	Cat. No.
Removable Knob (Short Type), Adjustable Hickey. Overall Height: 4-5 1/2"	250W 250V	9805*
Removable Knob, Removable 1-Leg Hickey. Overall Height: 2 7/16"	250W 250V	9805-A*

NOTE: These items are designed for use with standard socket candle tubes (1 15/16" dia.) and require a minimum of 13/16" dia. flat at bottom of candle for clearance.
NOM Certified except where indicated by ‡.

CANDELABRA BASE, KEYLESS* ‡

Description	Rating	Cat. No.
Screw Terminals; Solid Hickey. Overall Height: 2"	75W 125V	10025
Screw Terminals; Solid Hickey. Overall Height: 1 1/2"	75W 125V	10027
Screw Terminals; Adjustable Hickey: 3 1/4–4 3/4"	75W 125V	10026
Double Snap-In Spring Clips. Height of socket from panel is 1". Leads are No. 18 AWG 105°C plastic, 24" long, stripped 1/2"	75W 125V	10014-800

*7/8" candle tube. All Hickeys tapped 1/8 IPS.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-3810; E-13400)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

Candelabra and Medium Base Incandescent Lampholders

Specifications and Features

- Candle socket has white unglazed porcelain body with aluminum screw shell
- Choice of Pin-Type or Pigtail Type for temporary lighting applications
- Two-Piece Pin Type automatically pierces wire leads

CANDLE SOCKETS — PORCELAIN

Candelabra Base Screw Terminals

Description	Rating	Cat. No.
Solid Hickey.* Overall Height: 2 3/32"◊‡	75W 125V	20025

*Other hickey sizes available. Also CSA Certified except where indicated by ◊, and NOM Certified except where indicated by ‡.



20025

KEYLESS HEAVY DUTY PHENOLIC SINGLE CIRCUIT LAMPHOLDERS

Two-Piece Pin Type

Description	Rating	Cat. No.
Candelabra Base, Detachable Zinc-Plated Wire Hook. Accepts No. 20 – No. 18 Stranded Insulated Wire	75W 125V	267**
Medium Base, Detachable Zinc-Plated Wire Hook. Accepts No. 14 – No. 12 Stranded Insulated Wire	660W 250V	167**

NOTE: Linings assembled.
**For temporary lighting — not waterproof.



267

PIGTAIL TYPE MEDIUM BASE WITH LEADS

Description	Rating	Cat. No.
Vinyl, Phenolic Interior & Screw Shell, Brass Shell Contact. Leads are No. 14 AWG, 6" Long, Stripped 3/4", Molded into Boots‡	660W 250V	55**
Phenolic with Brass Screw Shell. Leads Soldered and Hot Waxed in Deep Well are No. 14 AWG 6" Long	660W 250V	157**
Same as 157 above, with Left-Hand Screw Shell	660W 250V	157-X**
Rubber, Aluminum Screwshell. Leads are No. 16 AWG, 6" Long, Soldered to Terminals and Sealed in Rubber Boot◊	660W 250V	124-D

**For temporary lighting—not waterproof.
All devices are UL Listed except Cat. No. 124-D. Also CSA Certified except where indicated by ◊, and NOM Certified except where indicated by ‡.
Note: The listed products may be used at construction sites provided that bulb cages are used and suitable splices are made. The listing for the products meets the OSHA requirement and is made for open wiring without a separate outlet box.



167

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-13400) 267**
- UL Listed (File #E-3810) 55**, 157**, 157-X** and 167**
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)



55

Commercial Grade

Keyless Fluorescent Ceiling Lampholders

Specifications and Features

Keyless Fluorescent Ceiling Lampholders

- 13W GU24 Base Lamp
- Keyless Bi-Pin Compact Fluorescent Lampholder
- Impact resistant thermoplastic construction
- Optional polycarbonate lamp guard available
- Pigtail leads provide easy installation
- Knockout holes on box enable multiple configurations
- Thread-cutting screws facilitate installation of lamp guard
- Pull Chain ON/OFF – no wall switch required
- Lamp Output = 900 lumens
- Lamp Color = 2700 K
- Lamp Life = 10,000 hours average
- Limited Two-Year Warranty on Lampholder and Guard

Applications

- Installs in closets, garages, basements, utility rooms and attics
- Suitable for indoor use only
- Use with a standard wall switch



9860

KEYLESS FLUORESCENT CEILING LAMPHOLDER

Description	Rating	Cat. No.
Lampholder	120W-250VAC, 60Hz	9860
Lampholder with 13W Lamp and Lamp Guard*	120W-250VAC, 60Hz	9860-BL/LHG
Lamp Guard	120W-250VAC, 60Hz	9860-L
Pull Chain Lampholder with 13W Lamp and Lamp Guard*	120W-250VAC, 60Hz	9862-PC/PCH

*ENERGY STAR qualified.

GU24 Base Fluorescent Lampholder

Energy-Saving Keyless Bi-Pin Compact Fluorescent Ceiling Lampholder for Closets and Closed Spaces 120 WATT 250V AC



9862

GU24 BASE FLUORESCENT LAMPHOLDER

Description	Cat. No.
Lampholder with Pigtail Leads and Knockout Holes for Multiple Configurations	9860
Lampholder with Pigtail Leads and Knockout Holes for Multiple Configurations; with 13W Bulb	9860-B
Lampholder with Pigtail Leads and Knockout Holes for Multiple Configurations; with 13W Bulb and Lamp Guard	9860-BL
Lamp Guard	9860-L
13W Replacement Lamp	9865

NOTE: Not intended for use with incandescent lamps, dimmers or occupancy sensors.

TESTING AND CODE COMPLIANCE
- ENERGY STAR qualified (Catalog Numbers 9860-BL/LHG, 9862-PC/PCH)
- UL as Listed
- Meets NFPA 70, NEC Section 410.8B Requirements. Can be utilized in closets and open spaces
- Meets Canadian Electric Code Requirements for use in closets with lamp guard
- Patent Pending

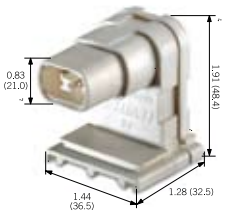
Medium, High Output and Slimline — Linear Flourescent Lampholders

Specifications and Features
- Silver-plated copper alloy contacts
- Quickwire terminals accept No. 18 AWG twisted and tinned, solder-dipped or solid leads
- Lampholders are white, starter bases are black

RECESSED DOUBLE CONTACT, PEDESTAL TYPE UR

For High Output Lamps

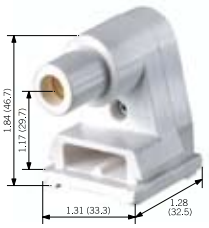
Description	Rating	Cat. No. Plunger	Cat. No. Fixed
Screw Mount, Push-in wiring*	660W 600V	13464	13465
Same as 13464/13465 except with Internal Shunt Connection for Electronic Ballasts*	660W 600V	23464	23465
Slide-on, Shallow Base, Quickwire Terminals*	660W 600V	13550	13551
Slide-on, Shallow Base for Power Groove and Jacketed Lamps, Quickwire Terminals*	660W 600V	13556	13557



13550

For Slimline, Single Pin Lamps

Description	Rating	Cat. No. Plunger	Cat. No. Fixed
Butt-On Surface Mounting, 12" Leads‡	660W 1000V 660W 600V	452 —	— 453
Pedestal Base, Slide-On	660W 1000V 660W 600V	466 —	— 467
Shallow Base, Slide-On or Lock-On Mounting, Quickwire Terminals*	660W 1000V 660W 600V	2536 —	— 2537



2536

For Medium Bi-Pin Lamps

Description	Rating	Cat. No. White
Thin Body, Quickwire Terminals Accommodate Rapid-Start Circuits	660W 600V	431-W
Pedestal type, Straight-in Wiring Through Wireways or Screw Terminals‡	660W 600V	390-1W
Same as above, with Starter Base‡	660W 600V	391-1W

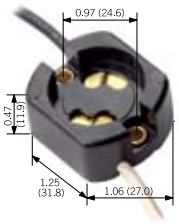


2537

NOM Certified except where indicated by ‡.
*Suitable for outdoor applications when properly enclosed.

contnued on next page >

Commercial Grade



396

STARTER BASES

For Medium Bi-Pin Lamps

Description	Rating	Cat. No.
Starter Base; Screw Terminals, Black‡	660W 250V	380
Starter Base; with Leads, Black‡	660W 250V	396

NOM Certified except where indicated by ‡.
*Suitable for outdoor applications when properly enclosed.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-5833)
- CSA Certified (File #LR-1863; LR-5863; LR-2200)
- NOM Certified (#057)

Medium and Miniature Bi-Pin Lamps—Linear Fluorescent Lampholders

Specifications and Features
- Versatile snap-in mounting reduces fixture assembly time
- Quickwire terminals accept either No. 18 AWG (stranded, twisted or tinned), No. 18 AWG solid or No. 16 AWG solid
- Internal Shunt versions stamped “S” on back for easy identification



13518

SURFACE MOUNT WITH LEADS*

For Medium and Miniature Bi-Pin Lamps

Description	Rating	Cat. No. White
Rapid-Start Medium Bi-Pin, 9” leads	660W 600V	395-W
Rapid-Start Medium Bi-Pin, Disconnect (paired with Cat. No. 395-W), 9” leads	660W 600V	389-W
Miniature Bi-Pin for T5 Lamp, 6” leads	75W 250V	420-W

*Leads are No. 18 AWG, 105°C plastic insulated wire.

SNAP-IN WITH QUICKWIRE

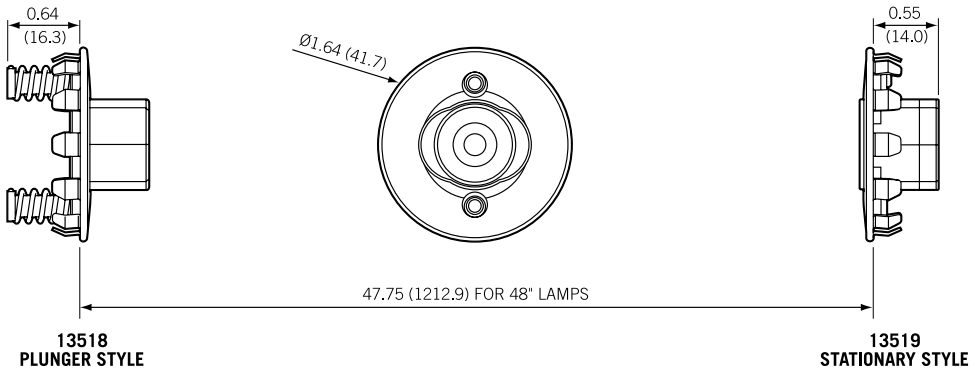
For Slimline, Medium Bi-Pin, High Output Lamps

Description	Rating	Cat. No. Plunger	Cat. No. Fixed
Slimline‡	660W 1000V	516	—
	660W 600V	—	517
Medium Bi-Pin, Stainless Steel Coverplate & Clip	660W 600V	13518	—
	660W 600V	—	13519
Medium Bi-Pin, Same as above, with Internal Shunt for Use with Electronic Ballasts	660W 600V	23518	—
	660W 600V	—	23519
High Output 800mA and 1500mA‡	660W 600V	523	—
	660W 600V	—	524

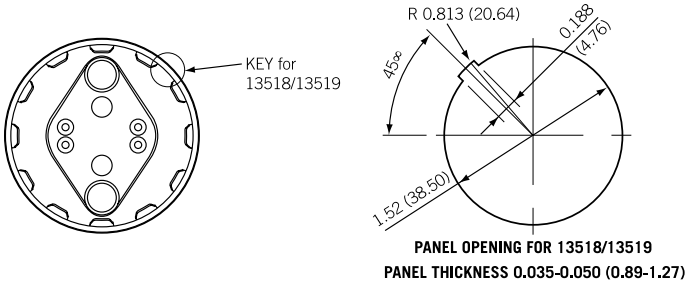
NOM Certified except where indicated by ‡.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-5833)
- CSA Certified (File #LR-5863; LR-1863)
- NOM Certified (#057)

DIMENSIONS



Medium Bi-Pin Spacing

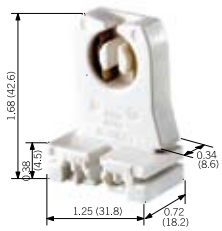


PANEL OPENING FOR 13518/13519
PANEL THICKNESS 0.035-0.050 (0.89-1.27)

Medium Bi-Pin Lamps—Linear Fluorescent Lampholders

Specifications and Features

- Four-position lamp-lock socket rotates 90°, forward and back, for quick relamping
- Lamp-Lock models have slim, low profile silhouette that fits 22 to 25 gauge panels
- Chemical-resistant white thermoplastic body



13351-D

TURN-TYPE

Description	Rating	Cat. No.
Low Profile, Slide-On, with Captive Nut	660W 600V	13353-N
Tall Profile, Slide-On, with Captive Nut	660W 600V	13357-N
Tall Profile without Side Grooves, Slide-On, with Captive Nut	660W 600V	13359-N
Low Profile Disconnect, Slide-On	660W 600V	13351-D
Tall Profile Disconnect, Slide-On	660W 600V	13354-D
Low-Profile; Shunted, Slide-On	660W 600V	23351



13357-N

STRAIGHT-IN

Description	Rating	Cat. No.
Low Profile, Slide-On	660W 600V	13150-UR5
Self-Locking; Slide-In, with Captive Nut. For use with T-8 Lamps	660W 600V	13451-N



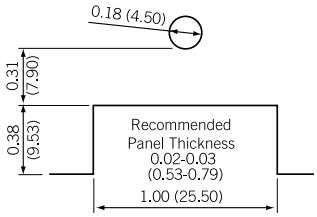
13653-WP

SNAP-IN/SLIDE-ON DESIGN AND LAMP-LOCK

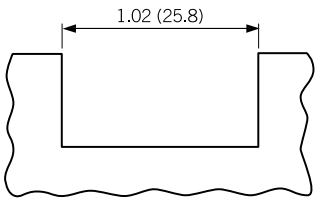
Description	Rating	Cat. No.
Snap-In or Slide-On Mounting Featuring Lamp-Lock, with Panel Locator Post. For T-8 and T-12 Lamps	660W 600V	13653-WP
Same as Above, Less Locator Post	660W 600V	13653-NP
Same as 13653-WP, Except with Internal Shunt Connection for Electronic Ballasts	660W 600V	23653-WP
Same as Above, Less Locator Post	660W 600V	23653-NP
Snap-In or Slide-On Mounting Featuring Lamp-Lock, Optional Panel Locator Post. Dedicated for Energy-Efficient T-8 Lamps Only	660W 600V	13652-WP
Same as 13652, Except with Internal Shunt Connection for Electronic Ballasts	660W 600V	23652-WP
Snap-In or Slide-On Mounting Featuring Lamp-Lock, for Energy-Efficient T-8 Lamps Only. Wide-Wing Design	600W 600V	13652-WWP
Same as Above, Less Locator Post	600W 600V	13652-WNP
Same as 13652-WWP, Except with Internal Shunt Connection for Electronic Ballasts	600W 600V	23652-WWP
Same as Above, Less Locator Post	600W 600V	23652-WNP
Snap-In or Slide-On Mounting Featuring Lamp-Lock, for T-8 and T-12 Lamps. Wide-Wing Design	600W 600V	13653-WWP
Same as Above, Less Locator Post	600W 600V	13653-WNP
Same as 13653-WWP, Except with Internal Shunt Connection for Electronic Ballasts	600W 600V	23653-WWP
Same as Above, Less Locator Post	600W 600V	23653-WNP

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-5833)
- CSA Certified (File #LR-1863; LR-5863; LR-2200)
- NOM Certified (#057)
- Medium Bi-Pin lamps with Snap-In/Slide-On Design and Lamp-Lock are VDE Certified to IEC

DIMENSIONS

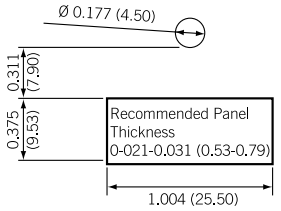


Recommended Panel Opening for all -WP, -NP Medium Bi-Pin Snap-In/ Slide-On Lampholders



Recommended Panel Opening for Medium Bi-Pin Turn-Type Lampholders

This is only a recommendation — lampholder will function over a wider range



Recommended Panel Opening for all -WWP, -WNP wide-wing models

Medium and Miniature Bi-Pin Lamps—Linear Fluorescent Lampholders

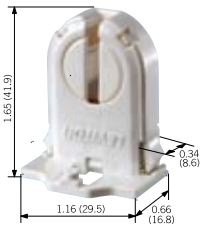
Specifications and Features

Lamp-Lock

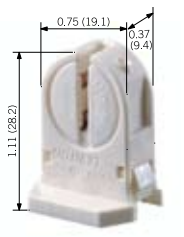
- Four-position lamp-lock socket rotates 90°, forward and back, for quick relamping
- Lamp-Lock models have slim, low profile silhouette that fits 22 to 25 gauge panels
- Chemical-resistant white thermoplastic body

T-8 to T-5 Adapter

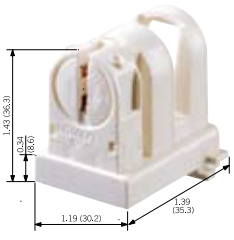
- Cost-effective solution to incorporate miniature bi-pin T-5 lamps into existing T-8 configurations



13661-SWP



13654-SNP



13654-EXL

FOR MEDIUM BI-PIN LAMPS — SLIDE-ON DESIGN AND LAMP-LOCK

Description	Rating	Cat. No.
Low Profile 0.64 (163mm) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp Lock for T-8 Lamps Only	660W-600V	13662
Same as 13662, Except with Internal Shunt Connection for Electronic Ballasts	660W-600V	23662
Medium Profile 0.91 (23.0) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp Lock for T-8 and T-12 Lamps	660W-600V	13661
Same as 13661, Except with Internal Shunt Connection for Electronic Ballasts	660W-600V	23661
Tall Profile 1.18 (30.0) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp Lock for T-8 and T-12 Lamps	660W-600V	13660
Same as 13660, Except with Internal Shunt Connection for Electronic Ballasts	660W-600V	23660

FOR MINIATURE BI-PIN LAMPS — SNAP-IN/SLIDE-ON DESIGN AND LAMP-LOCK

Description	Rating	Cat. No.
Low Profile 0.62 (15.7) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp-Lock, with Panel Locator Post for T-5 Lamps	120W 600V	13654-SWP
Same as Above, Less Locator Post	120W 600V	13654-SNP
Tall Profile 0.98 (24.9) Lamp Center, Snap-In or Slide-On Mounting Featuring Lamp-Lock, with Panel Locator Post for T-5 Lamps	120W 600V	13654-TWP
Same as Above, Less Locator Post	120W 600V	13654-TNP
Low Profile 0.62 (15.7) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp-Lock, with Panel Locator Post for T-5 Lamps Internal Shunt Connection for Electronic Ballasts	120W 600V	23654-SWP
Same as Above, Less Locator Post	120W 600V	23654-SNP
Tall Profile 0.98 (24.9) Lamp Center Snap-In or Slide-On Mounting Featuring Lamp-Lock, with Panel Locator Post for T-5 Lamps Internal Shunt Connection for Electronic Ballasts	120W 600V	23654-TWP
Same as above, Less Locator Post	120W 600V	23654-TNP

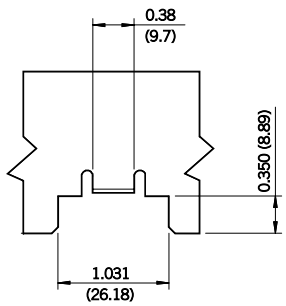
T-8 TO T-5 ADAPTER

Description	Rating	Cat. No.
Long T-8 to T-5 Adapter, converts existing T-8 fixtures to accept energy-efficient T-5 lamps; with Lamp Lock. *Specify lamp length for proper ordering*	120W 600V	13654-EXL
Short T-8 to T-5 Adapter, converts existing T-8 fixtures to accept energy-efficient T-5 lamps; with Lamp-Lock. *Specify lamp length for proper ordering*	120W-600V	13654-EXS

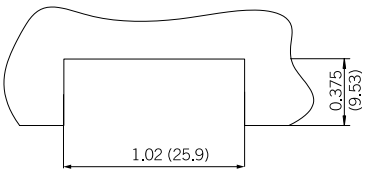
TESTING AND CODE COMPLIANCE

- UL Listed (File #E-5833)
- CSA Certified (File #LR-1863; LR-5863; LR-2200)
- NOM Certified (#057)
- Medium Bi-Pin Lamps with Slide-On Design and Lamp-Lock are VDE Certified to IEC

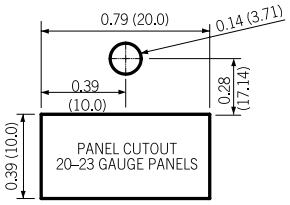
DIMENSIONS



Recommended Panel Opening for Medium Bi-Pin Slide-On Lampholders



Recommended Panel Opening for T-8 to T-5 Adapter



Recommended Panel Opening for Miniature Bi-Pin Snap-In/Slide-On Lampholders

Commercial Grade

Long Twin Tube With 2G11 Base — Compact Fluorescent Lampholders

Specifications and Features
- Vertical Snap-In model allows wires to be routed on either top or bottom of panel
- Two wiring ports per contact speed harness wiring
- Internal Shunt models eliminate need for extra jumper wire in fixtures designed for electronic ballasts
- Low-profile design for smaller, more compact fixtures
- Superior metal-spring lamp retainer clips



13453



13454

4-PIN LONG TWIN-TUBE WITH 2G11 BASE — SLIDE-IN MOUNTING

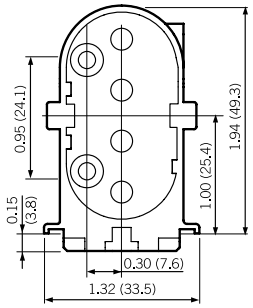
Description	Rating	Cat. No.
Slide-In for 18-20 Ga. Panels, Quickwire Terminals	660W 600V	13452

4-PIN LONG TWIN-TUBE WITH 2G11 BASE — BOTTOM OR BACK MOUNTING

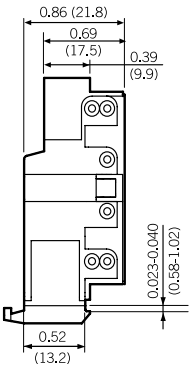
Description	Rating	Cat. No.
Vertical Snap-In Mounting, Side Push-In Wiring	660W 600V	13453
Same as above, with Internal Shunt Connection for Electronic Ballasts	660W 600V	23453
Horizontal Snap-In Mounting, Bottom Push-In Wiring	660W 600V	13454
Same as above, with Internal Shunt Connection for Electronic Ballasts	660W 600V	23454
Horizontal Screw-Mount. Bottom Push-In Wiring	660W 600V	13455
Same as above, with Internal Shunt Connection for Electronic Ballasts	660W 600V	23455

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-5833)
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

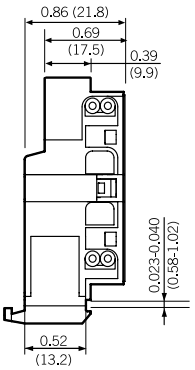
DIMENSIONS



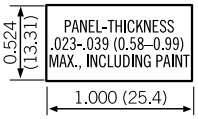
13453 and 23453



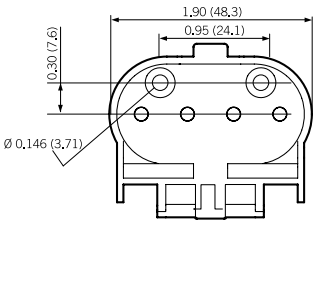
13453



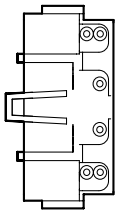
23453



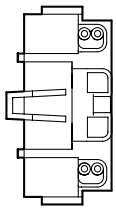
Recommended Panel Opening for 13453, 23453, 13454 and 23454



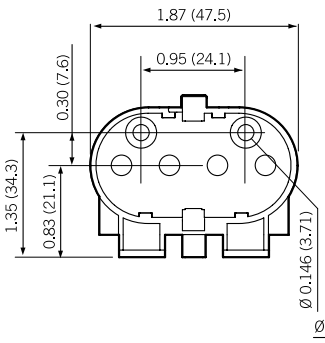
13454 and 23454



13454



23454



13455 and 23455

LEVITON

Commercial Grade

Lamp Support Clips for Long Twin Tube 2G11 Base Fluorescent Lampholders

Specifications and Features

- Choice of quality lamp support clips in a variety of configurations for long twin tube lamps with 2G11 base
- UV stable clear polycarbonate clips for vertical or horizontal mounting
- Stainless steel clips with UV stable clear polycarbonate base for horizontal mounting only; short or tall versions
- Plastic clips for slide-on or screw-mount



23452-H



23452-V



23452-MTS



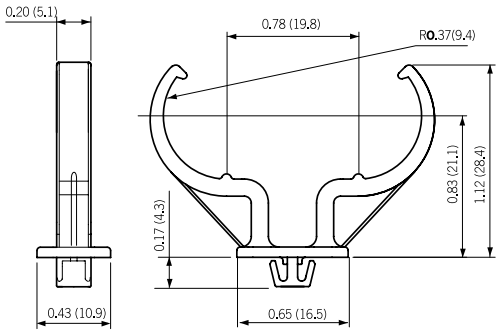
23452-MTL

PLASTIC AND STAINLESS STEEL LAMP SUPPORT CLIPS

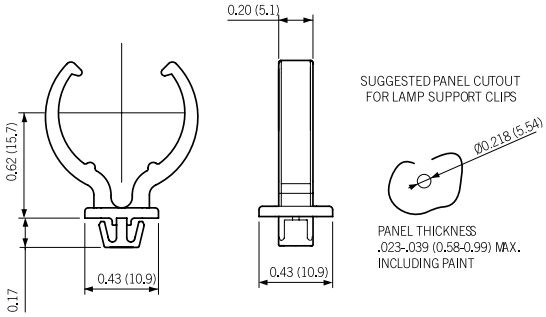
Description	Cat. No.
Plastic Lamp Support Clip, Slide-On	23452-A*
Plastic Lamp Support Clip, Screw Mount	23452-B*
Horizontal Snap-In Lamp Support Clip for 13454, 23454, 13455 and 23455. UV-Stable, Clear Polycarbonate	23452-H*
Vertical Snap-In Lamp Support Clip for 13453 and 23453. UV-Stable, Clear Polycarbonate	23452-V*
Stainless Steel Horizontal Lamp Support Clip, Short Version	23452-MTS
Stainless Steel Horizontal Lamp Support Clip, Tall Version	23452-MTL

*NOTE: Leviton strongly recommends replacing support clips 23452-A, 23452-B, 23452-V and 23452-H during lamp replacement.

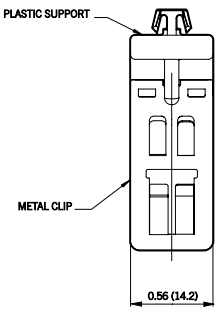
DIMENSIONS



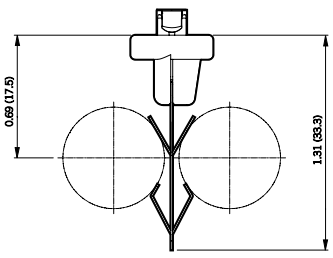
Horizontal Lamp Support Clip—23452-H



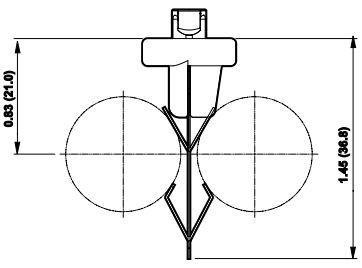
Vertical Lamp Support Clip—23452-V



Horizontal Lamp Support Clips
23452-MTS, 234452-MTL



Horizontal Lamp Support Clip, Short
23452-MTS



Horizontal Lamp Support Clip, Tall
23452-MTL

Compact Fluorescent Lampholders (CFLs)

Specifications and Features

- "Smart" CFL Lampholders are color-coded for easy wattage identification
- Bottom Snap-In versions for easier panel assembly
- Snap-In versions designed for 16 Ga. panels
- Metal-spring lamp-retainer clip provides positive lamp retention and is more durable than plastic clips
- Two wiring ports per contact speed harness wiring
- Four screw holes for greater mounting flexibility
- Wire-routing options for top or bottom side of mounting panel for easier assembly
- White thermoplastic body

10MM COMPACT FLUORESCENT LAMPHOLDERS

For G23 and G23-2 Lamp Bases

Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	White	26719-100	G23, G23-2	5W, 7W
75W 600V	White	26719-200	G23, G23-2	5W, 7W
75W 600V	White	26719-300*	G23, G23-2	9W
75W 600V	White	26719-400	G23, G23-2	9W
75W 600V	White	26719-500	G23, G23-2	9W

*Not compatible with 13-watt DTT lamps.


26719-100

For GX23 and GX23-2 Lamp Bases

Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	White	26719-100	G23, G23-2	5W, 7W
	White w/Black	26720-100	G23, G23-2	13W
75W 600V	White	26720-200	GX23, GX23-2	13W
75W 600V	White w/Black	26720-300*	GX23	13W
75W 600V	White w/Black	26720-400	GX23, GX23-2	13W
75W 600V	White w/Black	26720-500	GX23, GX23-2	13W

*Not compatible with 13-watt DTT lamps.


26719-200

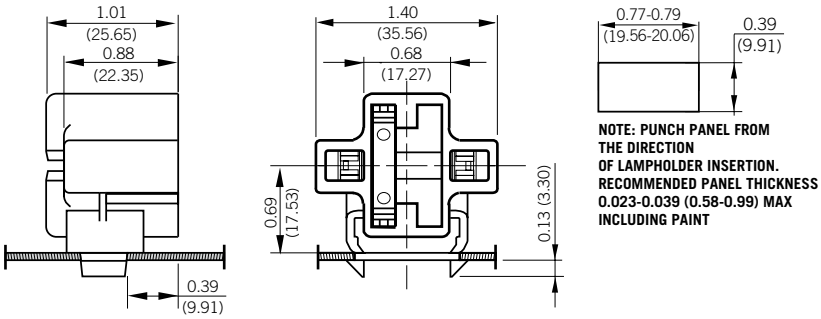

26720-300


26720-400

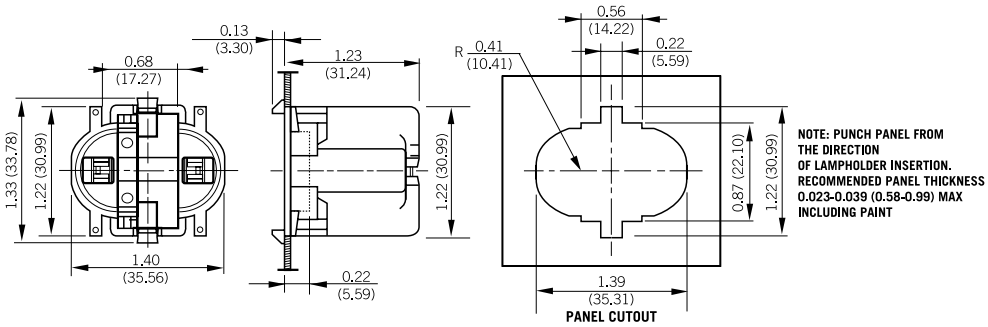
TESTING AND CODE COMPLIANCE

- UL Listed (File #E-5833)
- UL Listed for indoor and outdoor applications when properly enclosed
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

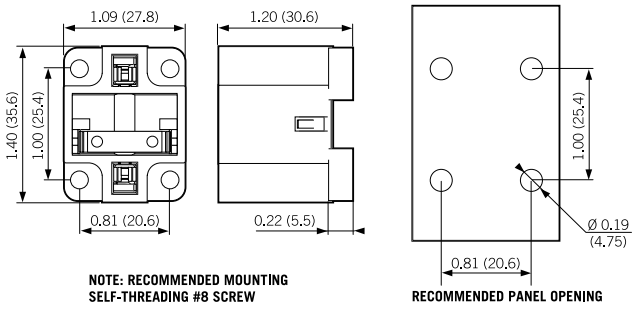
DIMENSIONS



Horizontal Snap-In CFLs
26720-100 Shown



Vertical Top Snap-In CFLs
26720-300 Shown



4-Hole Vertical Screw-Down CFLs — 26720-400 Shown

10mm Compact Fluorescent Lampholders (CFLs)

Specifications and Features

- "Smart" CFL Lampholders are color-coded for easy wattage identification
- Bottom snap-in versions for easier panel assembly available for 16 Ga. and 18-20 Ga. panels
- All 4-pin lampholders have internal rejection feature that prevents insertion of 2-pin lamps
- Metal-spring lamp-retainer clip provides positive lamp retention and is more durable than plastic clips
- Two wiring ports per contact speed harness wiring
- Four screw holes for greater mounting flexibility
- Wire-routing options for top or bottom side of mounting panel for easier assembly
- White thermoplastic body

10MM COMPACT FLUORESCENT LAMPHOLDERS

For G24d Lamp Bases 2-Pin

Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	White w/Black	26725-201	G24d-1	10W, 13W
75W 600V	White w/Black	26725-221	G24d-1	10W, 13W
75W 600V	Green	26725-202	G24d-2	18-W
75W 600V	Green	26725-222	G24d-2	18W
75W 600V	Orange	26725-203	G24d-3	26W
75W 600V	Orange	26725-223	G24d-3	26W
75W 600V	White w/Black	26725-211	G24d-1	10W, 13W
75W 600V	Green	26725-212	G24d-2	18W
75W 600V	Orange	26725-213	G24d-3	26W


26725-213

FOR G24Q AND GX24Q LAMP BASES 4-PIN

Suitable for Dimming or Electronic Ballasts

Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	White w/Black	26725-401	G24q-1	10W, 13W
75W 600V	White w/Black	26725-421	G24q-1	10W, 13W
75W 600V	Green	26725-402	G24q-2	18W
75W 600V	Green	26725-422	G24q-2	18W
75W 600V	Orange	26725-403	G24q-3,	26W, 32W
75W 600V	Orange	26725-423	GX24q-3	26W, 32W
75W 600V	Yellow	26725-404	GX24q-4	42W
75W 600V	Yellow	26725-424	GX24q-4	42W
75W 600V	White	26725-429	G24q-3	32W, 42W
75W 600V	White	26725-429	GX24q-4	26W, 32W, 42W
75W 600V	White	26725-429	GX24q-4	26W, 32W, 42W


26725-419

Continued On Next Page ›

Commercial Grade

Continued From Previous Page >

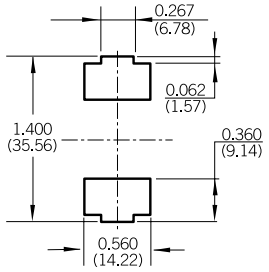
Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	White w/Black	26725-411	G24q-1	10W, 13W
75W 600V	Green	26725-412	G24q-2	18W
75W 600V	Orange	26725-413	G24q-3,	26W
75W 600V	Orange	26725-413	GX24q-3	26W, 32W
75W 600V	Yellow	26725-414	GX24q-4	42W
75W 600V	White	26725-419	G24q-3	26W
75W 600V	White	26725-419	GX24q-4	32W, 42W

NOTE: Lamp names are trademarked by manufacturers.

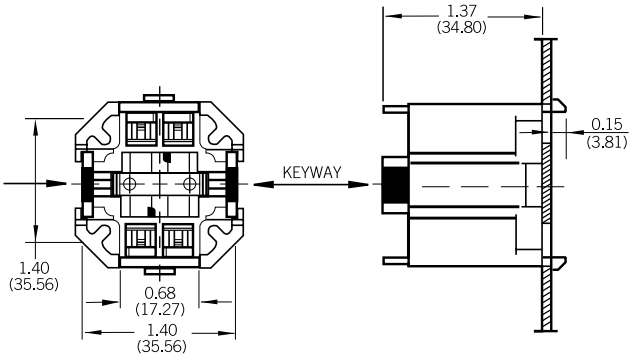
TESTING AND CODE COMPLIANCE

- UL Listed (File #E-5833)
- UL Listed for indoor and outdoor applications when properly enclosed
- CSA Certified (File #LR-1863)
- NOM Certified (File #057)

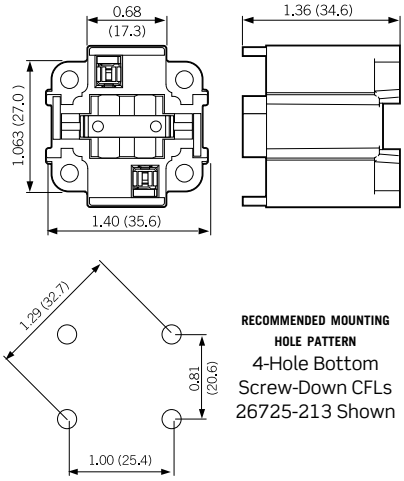
DIMENSIONS



RECOMMENDED PANEL THICKNESS 18–20 GA.



Bottom Snap-In CFLs for 18–20 Ga Panels
26725-421 Shown



RECOMMENDED MOUNTING HOLE PATTERN
4-Hole Bottom Screw-Down CFLs
26725-213 Shown

"Smart" CFL Lampholders

Specifications and Features

- "Smart" CFL Lampholders are color-coded for easy wattage identification
- Bottm Snap-in versions for easier panel assembly available for 16 Ga. and 18-20 Ga. panels
- All 4-pin lampholders have internal rejection feature that prevents insertion of 2-pin lamps
- Metal-spring lamp-retainer clip provides positive lamp retention and is more durable than plastic clips
- Two wiring ports per contact speed harness wiring
- Wire-routing options for top or bottom side of mounting panel for easier assembly
- Bodies are white thermoplastic (with color-coding as indicated)
- Quick-connect push-in wiring terminals accept No. 18 AWG solid or twisted-and-overtinned leads, stripped 3/8 inch

10MM COMPACT FLUORESCENT LAMPOHOLDERS WITH ROUND BODIES

For G24d Lamp Bases, 2-Pin

Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	Black	26725-2A1	G24d-1	10W/13W
75W 600V	Green	26725-2A2	G24d-2	18W
75W 600V	Orange	26725-2A3	G24d-3	26W


26725-4A2

For G24q and GX24q Lamp Bases, 4-Pin - Bottom Screw Down Mounting

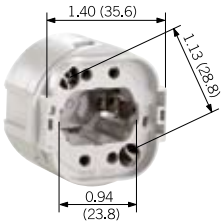
Rating	Color	Cat. No.	Lamp Base	Wattage
75W 600V	Black	26725-4A1	G24q-1	10W/13W
75W 600V	Green	26725-4A2	G24q-2 GX24q-2	18W
75W 600V	Orange	26725-4A3	G24q-3 GX24q-3	26W
75W 600V	Yellow	26725-4A4	G24q-4	26W/32W
75W 600V	Blue	26725-4A5	G24q-5	42W
75W 600V	Red	26725-4A6	G24q-6	42W
75W 600V	White Body Only	26725-4A9 Universal*	G24q-3 GX24q-4	26W/32W/42W


26725-4A3


26725-406

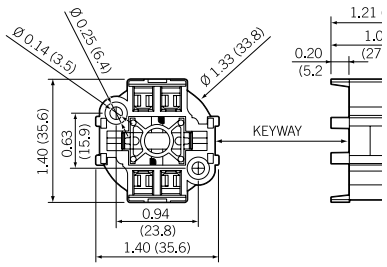
Twist-in Socket For G24q and GX24q Lamp Bases, 4-Pin

Rating	Color	Cat. No.	Lamp Base	Wattage
120W, 600V	White Body with Black	26800-4A1	G24q-1 GX24q-1	13W
120W, 600V	White Body with Green	26800-4A2	G24q-2 GX24q-2	18W
120W, 600V	White Body only	26800-4A9 Universal*	G24q-3 GX24q-4	26W / 32W / 42W
120W, 600V	White Body with Purple	26800-4A8 Universal	GX24q-5 GX24q-6	57W / 70W

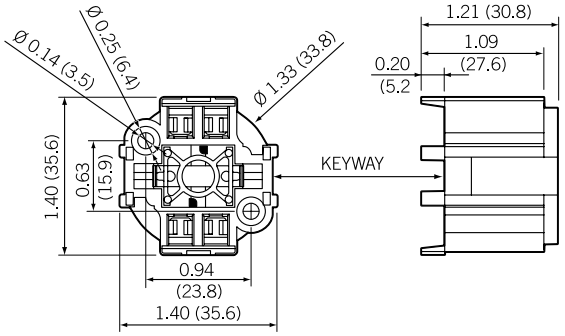


26800

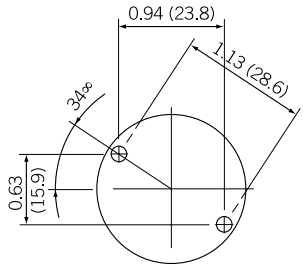
DIMENSIONS



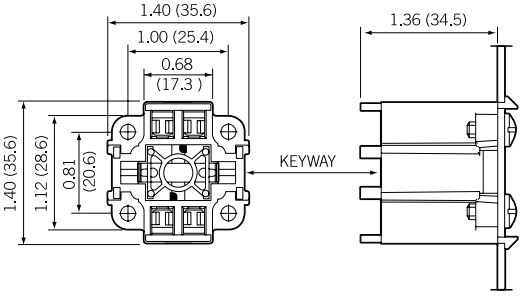
26725-4A5



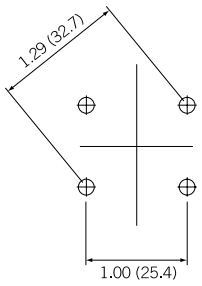
All Round-Body CFLs
26725-4A5 Shown



RECOMMENDED PANEL OPENING FOR ALL ROUND-BODY CFLs

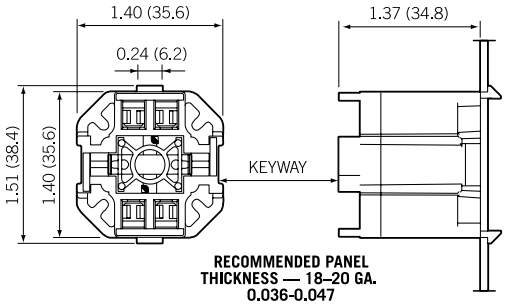


RECOMMENDED MOUNTING SCREW #8 SELF-CUTTING



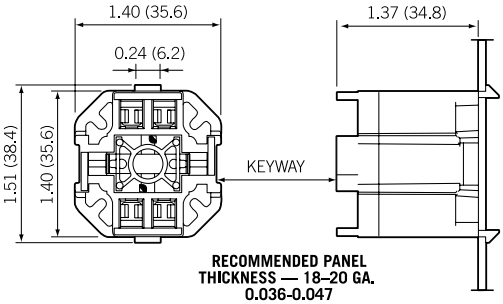
RECOMMENDED HOLE PATTERN

4-Hole Bottom Screw-Down CFLs
26725-415 Shown

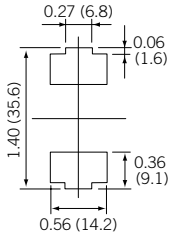


RECOMMENDED PANEL THICKNESS — 18–20 GA. 0.036-0.047

26725-426



RECOMMENDED PANEL THICKNESS — 18–20 GA. 0.036-0.047



RECOMMENDED PANEL OPENING

Bottom Snap-In CFLs for 18–20 Ga Panels
26725-426 Shown

GU-24 Series Lampholders

Leviton's new GU-24 Series bi-pin twist-lock lampholders provide new alternatives for high-efficacy lighting in residential and commercial applications. By creating a single, universal configuration, they provide a simple solution that can accommodate integrated-ballast compact fluorescent lamps in multiple wattages for both residential and commercial applications. And, most importantly, the GU-24 base lamps can be used in luminaires intended to comply with a host of recognized energy efficiency standards and regulatory mandates, such as ENERGY STAR and California Title 24.

Specifications and Features

- Designed for integrated-ballast compact fluorescent lamps with GU-24 base
  - Three different mounting configurations designed to match common medium base
  - Screwshell lampholder mounting styles – bracket mount, collar mount and panel mount
- Accommodates most standard mounting configurations – panel, collar and bracket — for medium-base screwshell lampholders
- Accommodates standard wattages of GU-24 size lamps
- Helps satisfy ENERGY STAR and California Title 24 energy efficiency standards
- Rated 250V, 120W
- Thermoplastic body material is PC; UL flammability rating is 94V-2

For GU-24 Lamp Bases, 2-Pin

Description	Rating:	Cat. No.	Mounting Information
Bracket Mount GU-24 Base Lampholder	120W-250V	26730	1/8-27 IPS Thread Bracket with Inside Extrusion
Collar Mount GU-24 Base Lampholder	120W-250V	26735	1/8-27 IPS Thread Collar with Set Screw
Panel Mount GU-24 Base Lampholder	120W-250V	26740	Eyelets Accept No. 4 & 5 Mounting Screws


26730


26735


26740

TESTING AND CODE COMPLIANCE

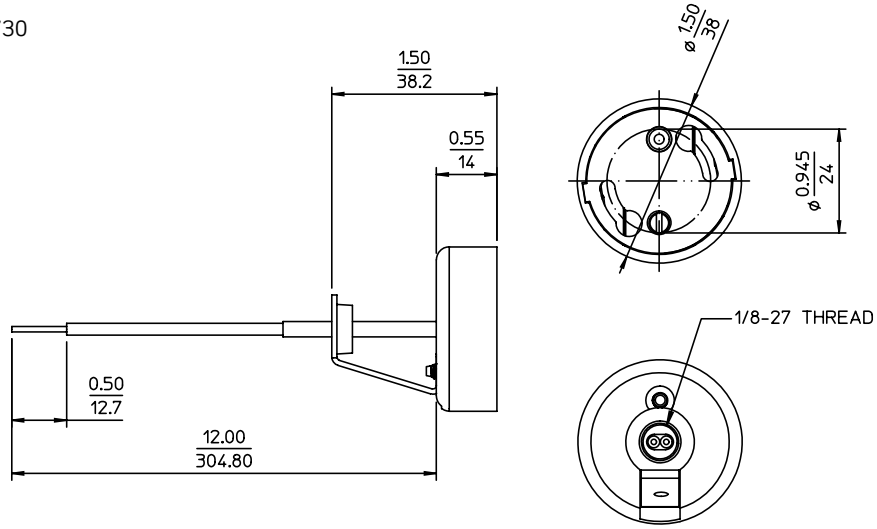
- UL Listed (File #E-5833)
- UL Listed for indoor and outdoor applications when properly enclosed
- CSA Certified (File #LR-1863)
- NOM Certified (#057)

NOTE: ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy. It helps consumers save money and protect the environment through energy efficient products and practices.

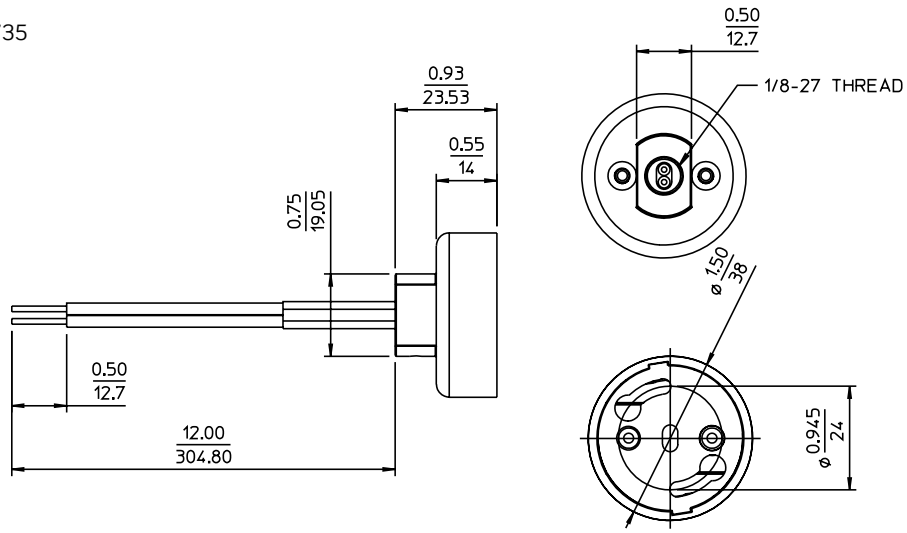
The Energy Efficiency Standards for Residential and Nonresidential Buildings (referred to as Title 24) were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods.

DIMENSIONS

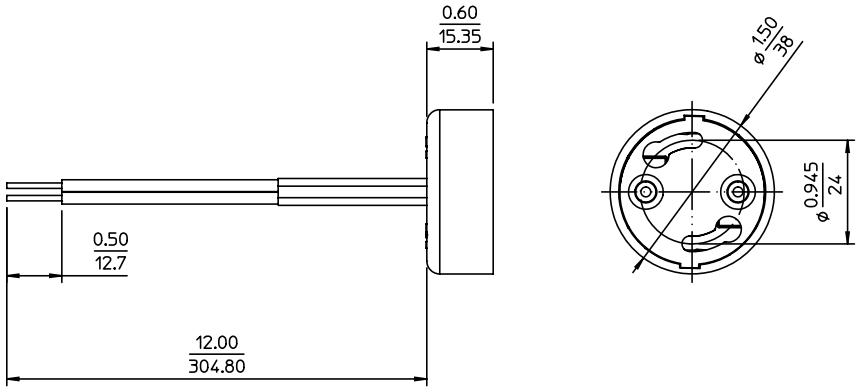
26730



26735



26740





Lighting and Fan Speed Controls

INDEX

Commercial Grade
Architectural Lighting Control Systems 224
Renoir® II 234
Digital Dimmers and Controls
Decora® 241
ToggleTouch® 252

Residential and Commercial Grade
Dimmers and Lighting Controls
Decora® 255
Traditional 263
Specialty Controls 266

Dimensions® D4000 Series Architectural Lighting Control System

The Dimensions D4000 Series offers a wide range of entry stations and accessories for a powerful and flexible lighting control solution. Easy to install, configure and operate, D4000 Series products are scalable for every application from stand-alone systems to a complete network environment.



D4200



D42P8-00W

Specifications and Features

- Up to 32 zones/channels of control
- Up to 6 Internal Network Dimmers
- Scene memory 16 + 2
- Fade times for each scene
- Room partition control
- Remote dimmer configuration
- Includes Lockout and Sequencer
- Complete multi-event scheduler
- Integrated astronomical time clock
- Dimmer Rating for Incandescent, Advance Mark 10®*, Lutron Tu-Wire®* and Magnetic Low Voltage load types:
  - 120V: Max 1,000W per Dimmer; Max 1,920W per unit (continuous); Max 1,200W per side
  - 230V: Max 800W per Dimmer; Max 2,420W per unit (continuous); Max 1,200W per side

D4104/D4106 Stand-Alone Systems

- Compatible with Entry and Room Combine Stations
- Used when integration with other product or rooms is not required
- 4 or 6 channels and dimmers
- UL Listed (120V models only)
- All units 50/60 Hz

D4200 Network Controller

- Full network compatibility
- 32 control channels
- Used to control other dimmers or relays on the Luma-Net network

D4206 Network Controller w/Dimmers

- Full network and device compatibility
- 32 control channels
- Used to control other dimmers or relays on the Luma-Net network
- 6 internal dimmers
- UL Listed (120V models only)
- All units 50/60 Hz

D4006 Remote Dimmer

- Full network compatibility
- Controllable by any network controller
- Start channel and Network ID (address) set from front panel
- Full configuration from any connected D4200 or D4206
- 6 internal dimmers
- UL Listed (120V models only)
- All units 50/60 Hz

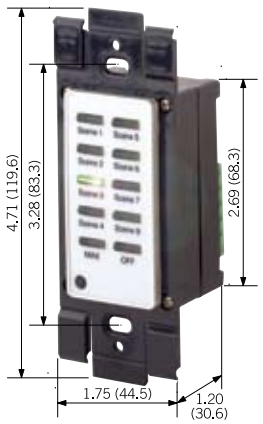
D4000 Series Features and Specs Contd.

Entrance Stations
- Connect to controller via Luma-Net network
- Used to remotely control scenes and zones on a master station

Command Stations
- Connect to controller via Luma-Net network
- Used to execute commands on a master station

Room Combine Stations
- Connect to controller via Luma-Net network
- Requires 1 Master station in each room, addressed 10 for room 1, 20 for room 2, etc.
- Other room-combine options available, contact your local sales agent for more information

Applications
Ballrooms, Cafeterias, Auditoriums, Lecture Halls, Conference Rooms, Hotel Suites, Restaurants, Museums, Houses of Worship



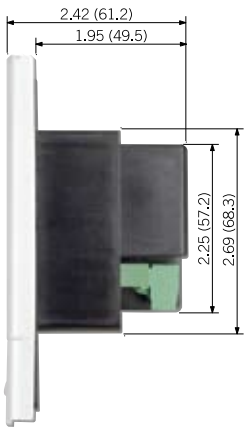
D42P8-00W

Mark 10® is a registered trademark of Advance Transformer Company.
Lutron Tu-Wire® is a registered trademark of Lutron Electronics Co., Inc.

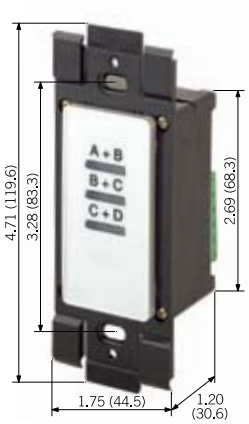
PRODUCT COMPATIBILITY CHART

	Products Being Controlled										
D4000 Series Controllers	**D4200 Entrance Stations**	**D4200 Partition Stations**	**iSeries e a-2000 MDS**	**Z-MAX Network Panels**	**NPC**	**D4104/ D4106**	**D4200**	**D4206**	**D4006**	**Closure Input/ Output**	**AV**
D4104/ D4106	Yes	Yes	—	—	—	—	—	—	—	Yes	Yes
D4200	Yes	Yes	Yes	Yes	Yes	—	—	Yes	Yes	Yes	Yes
D4206	Yes	Yes	Yes	Yes	Yes	—	—	Yes	Yes	Yes	Yes
D8000	—	—	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes
Luma-Graphics	—	—	Yes	Yes	Yes	Yes	—	Yes	Yes	—	—





DIMENSIONS® D4000 SERIES LIGHTING CONTROLLER



D42CS-03W

Description	Cat. No.
120V, 4 Channels/Dimmers, Stand-Alone System	D4104-1LW
230V, 4 Channels/Dimmers, Stand-Alone System	D4104-2LW
120V, 6 Channels/Dimmers, Stand-Alone System	D4106-1LW
230V, 6 Channels/Dimmers, Stand-Alone System	D4106-2LW
Network Controller	D4200-00W
120V, 6 Channels/Dimmers, Network Controller w/Dimmers	D4206-1LW
230V, 6 Channels/Dimmers, Network Controller w/Dimmers	D4206-2LW
120V, 6 Channels/Dimmers, Remote Dimmer	D4006-1LW
230V, 6 Channels/Dimmers, Remote Dimmer	D4006-2LW

DIMENSIONS D4000 SERIES WALL-MOUNTED REMOTE STATIONS

Description	Cat. No.
One-button Start/Stop Sequencer	D42SQ-00W
One-button Start/Stop Event Timer	D42ET-00W
One-button Join/Separate Link	D42LI-NKW
One-button Lock/Unlock	D42LO-CKW
Two-button: Preset Scene 1 and OFF, built-in IR receiver	D42P1-00W
Two-button: Master Raise and Lower, built-in IR receiver	D42RL-00W
Two-button: Preset Scene Max and OFF, built-in IR receiver	D42MO-00W
Three-button: Preset Scene 1, Max and OFF, built-in IR receiver	D42P1-M0W
Four-button: Max, OFF, Master Raise and Lower, built-in IR receiver	D42MO-RLW
Five-button: Preset Scenes 1–4 and OFF, built-in IR receiver	D42P4-00W
Five-button: Preset Scene 1, Max, OFF, Master Raise and Lower, built-in IR receiver	D42P1-RLW
Eight-button: Preset Scenes 1–4, Max, OFF, Raise and Lower, built-in IR receiver	D42P4-RLW
Eight-button: Preset Scenes 9–16	D42P9-16W
Ten-button: Preset Scenes 1–8, Max and OFF, built-in IR receiver	D42P8-00W
Ten-button: Preset Scenes 9–16, Raise and Lower, built-in receiver	D42P9-RLW



D42IR-16L

DIMENSIONS D4000 SERIES ROOM-COMBINE STATIONS

Description	Cat. No.
One-button: Combines 2 rooms with 1 partition	D42CS-01W
Three-button: Combines 3 rooms with 3 partitions	D42CS-3AW
Four-button: Combines 4 rooms with 4 partitions	D42CS-04W
Two-button: Combines 3 rooms with 2 partitions	D42CS-02W
Three-button: Combines 4 rooms with 3 partitions	D42CS-03W

DIMENSIONS D4000 SERIES IR HANDHELD CONTROLS†

Description	Cat. No.
Four Preset Scenes	D42IR-04L
Eight Preset Scenes	D42IR-08L
Sixteen Preset Scenes	D42IR-16L

†Remote IR Ceiling-Mount Receivers available in single-gang and 2-gang models. Consult your Leviton representative for more information.

Power Extenders

Leviton Power Extenders increase the load capacity and versatility of dimmers and architectural systems. A variety of models are available for all types of loads.

Specifications and features

- Emulates characteristics of dimmer it is connected to in terms of dimming range and resolution
- Low-end trim available for setting minimum brightness level (PE100, PE200, PE300)
- PE100, PE200 and PE400 can be surface or flush mounted using 1900 Box and 2-gang raised cover
- PE300 mounts in 4" square box
- Limited Two-Year Warranty

PE100-10W & PE200-10W

- Extends the capacity of dimmers and emulates connected dimmers in dimming range and resolution
- Low-end trim setting for minimum brightness level
- Aluminum heat sink with snap-on cover
- Can be surface- or flush-mounted using a 1900 Box and 2-gang raised cover

PE200-70W & PE400-10W

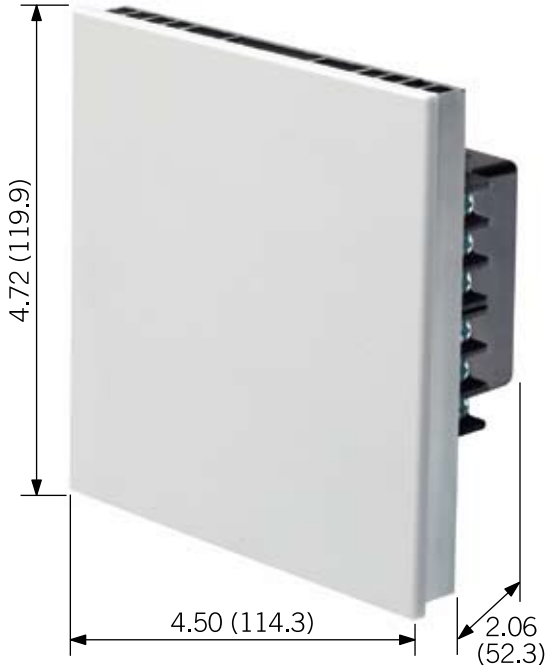
- Extends the capacity of dimmers and emulates connected dimmers in dimming range and resolution
- Aluminum heat sink with snap-on cover
- Can be surface- or flush-mounted using a 1900 Box and 2-gang raised cover

PE300-10W

- Extends the capacity of dimmers and emulates connected dimmers in dimming range and resolution
- Low-end trim setting for minimum brightness level
- Mounts in 4-inch square wall box



PE300-DOW



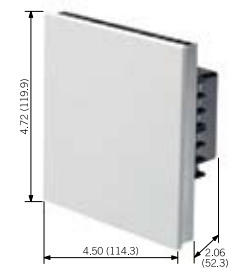
PE100/200/400/AUX/AU7



PE300-DOW

STANDARD POWER EXTENDERS

Description	Rating	Cat. No.	Color
Extends dimming zone capacity to full 1920W/VA @ 120VAC for incandescent, magnetic low voltage, halogen or neon/cold cathode lighting	Input Voltage: 120V 50/60Hz* Load Rating: 1920W/VA Dimmer Input: 120V 50/60Hz	PE100-10	W
Extends dimming zone capacity to full 1920W/VA @ 120VAC for Mark 10® *Powerline*, Hi-lume™, Lutron Tu-Wire® or equivalent dimmable fluorescent ballasts	Input Voltage: 120V 50/60Hz* Load Rating: 1920VA Dimmer Input: 120V 50/60Hz	PE200-10	W
Extends dimming zone capacity to full 3000VA @ 277V for Mark 10® *Powerline*®, Hi-lume®, Lutron Tu-Wire® or equivalent dimmable fluorescent ballasts	Input Voltage: 277V 50/60Hz* Load Rating: 3000VA Dimmer Input: 120V 50/60Hz	PE200-70	W
Extends dimming zone capacity to full control of a 20A circuit with Mark 7® 0-10V, Lutron 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts	Input Voltage: 120-277VAC 60Hz* Load Rating: 20A-2400VA @ 120VAC, 5500VA @ 277VAC Power Consumption: 6W 2 120VAC, 18W @ 277VAC Output Ballast Control: 0-10VDC Dimmer Input: 120V 60Hz	PE300-D0	Metallic Silver
Extends dimming zone capacity to full 1000W/VA @ 120VAC for electronic low voltage or incandescent lighting	Input Voltage: 120VAC 50/60Hz* Load Rating: 1000W/VA Dimmer Input: 120V 60Hz	PE400-10	W



PE100/200/400/AUX/AU7

*Load output power is phase independent of control device.
Mark 10® and Mark 7® are registered trademarks of Advance Transformer Company.
Hi-Lume® and Lutron Tu-Wire® are registered trademarks of Lutron Electronics Co., Inc.
Quicktronic® is a registerd trademark and Helios™ is a trademark of OSRAM Sylvania.

MAIN BREAKER OPTIONS

Description	Cat. No.	Indicate Breaker Size in Amps
For 1 Phase, 120/240V Cabinets	A2K1B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200, 225
For 3 Phase, 120/208V Cabinets	A2K3B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200, 225
For 3 Phase, 120/208V Cabinets	A273B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200 (150-200A for 24 circuit cabinets only)

Factory Installation required. Order with your cabinet. Single cabinet configurations only.

TESTING AND CODE COMPLIANCE
- UL Listed (except PEAUX-AUW), CSA Certified and NOM Certified
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

COLOR
To order colors, add suffix to Cat. No. as follows:
Cat Nos. NE505, NE515 and NE100 come in White with matching wallplate. Include snap-on Ivory Color Change Kit. (Ivory wallplate sold separately). With DCK05-0C Color Change Kits add to suffix as follows: White (W), Ivory (I), Almond (A), Grey (G), and Black (E)

POWER EXTENDER DIMMER COMPATIBILITY

120V/600W or 600VA Versions*, Except With PE200-70W**

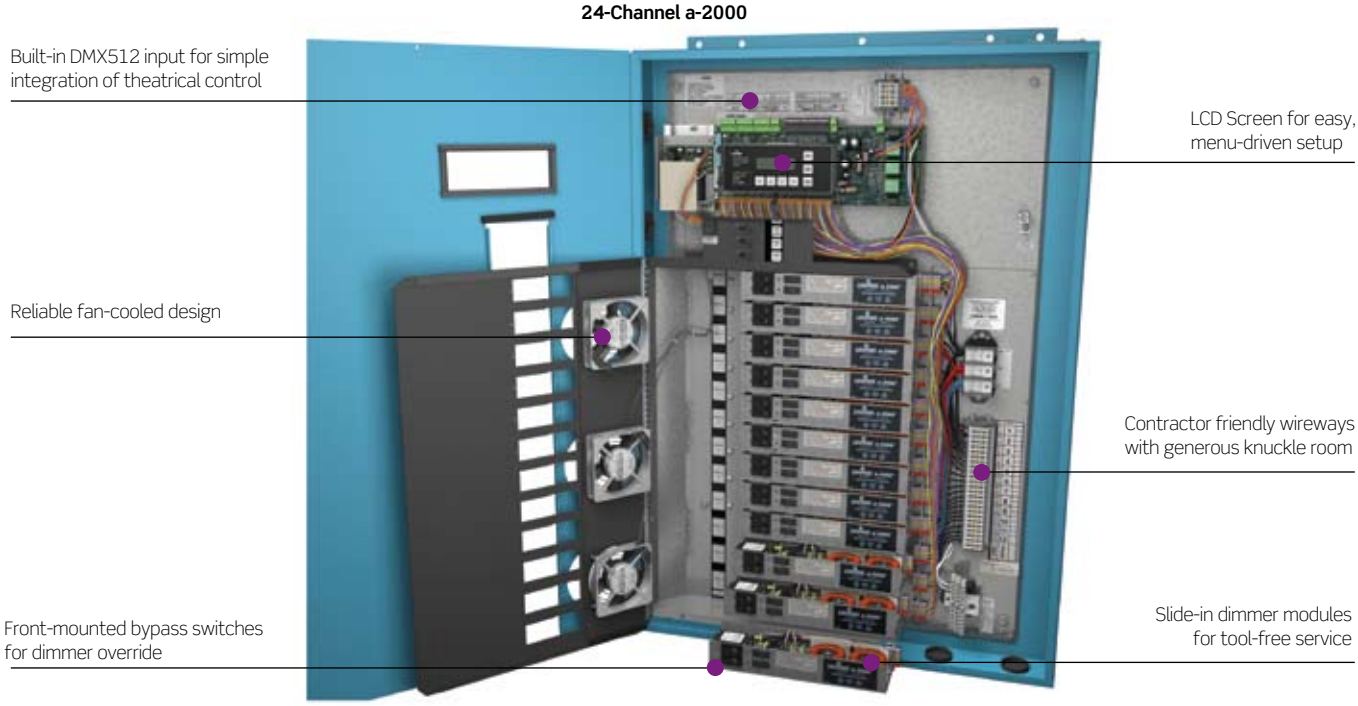
	Renoir II® Acenti® Mural® Vizia®	Illuma Tech™	Toggle Touch®	Touch Point	True Touch®	Sure Slide™	Trimatron™ Controllers	Arch.
PE100-10W	Incand MLV	Incand	Incand	Incand	Incand	Incand		X
PE200-10W†	Mark 10®	Mark 10		Mark 10				X
PE200-70W**†	Mark 10	Mark 10		Mark 10				
PE300	Incand MLV	Incand	Incand	Incand	Incand	Incand		X
PE400-10W	Incand MLV	Incand		Incand	Incand	Incand	Incand	X

*If the dimmer has a neutral wire it must be connected. †For Hi-lume ballasts use incandescent type dimmers.
Mark 10® is a registered trademark of Advance Transformer Company.

a-2000® Modular Dimming Cabinets

The a-2000® is a compact, high-performance dimming cabinet that combines theatrical grade performance with the ability to control a wide variety of architectural load types. Its modular design enables rapid servicing of both dimming modules and control electronics. The a-2000 digital module cabinets are easy to install and work with virtually all types of lighting, including 120 and 277VAC dimming fluorescent lamps. This state-of-the-art cabinet integrates seamlessly with preset or manual controls, building automation, daylight harvesting and time clock systems. The a-2000 is a highly versatile dimming platform supporting a broad array of control requirements. For complete ordering information on Leviton a-2000 Dimming Cabinets consult your Leviton representative.

24-Channel a-2000



Features and Benefits

- Fully programmable from front panel
- Plug-in dimmer modules for easy maintenance
- Communication inputs: DMX512, Luma-Net III, RS485, full bright, emergency, and +0-10 VDC analog
- Capacity of up to 48 dimmer circuits
- Each dimmer channel rated to 20A continuous (20A modules only)
- All load types supported
- Rugged dual-SCR dimmer circuitry for superior dimming performance and reliability over triac dimmers
- Individual bypass per-dimmer provides work-light function
- Restoration feature restores the last lighting look in the event of power failures
- Super-quiet, redundant ball-bearing fan design for added reliability
- Contrator-friendly design for easy installation with a large wiring space
- Compact 30 3/8 inch cabinet width holds up to 24 dimmer CCTS and fits between two stud widths
- Surface or recessed mounting
- Top, bottom or side feed
- UL listed (120V models only)
- All units 50/60 Hz

a-2000® Dimmer Modules

The a-2000 uses a modular dimmer, allowing for ease of replacement and custom tailoring of module type to each project's specific needs. Leviton's a-2000 dimmer modules employ proven dual SCR dimming technology, inherited from Leviton's line of theatrical equipment.

Specifications and Features

- 20A continuous duty rating (120V modules only)
- Voltage regulation: compensates for incoming line voltage variations
- 97% efficiency
- 350 µS rise time standard
- Ratings are for continuous use at 100% load Universal Modules:
- Bypass switch has two modes: Normal and Bypass. When the switch is set to Bypass (red LED illuminated), the SCRs and relays are forced to turn on independent of the control module
- 277V Universal modules may be used in 120V cabinets
- 120V Universal modules may be used only in 120V cabinets

240V Modules

- Built-in bypass switches (240V): Bypasses control electronics permitting the cabinet to be used for work lights during construction

Standard Modules

- Built-in bypass switches (120V) or shunts (277V): Bypasses control electronics, permitting the cabinet to be used for work lights during construction

Applications

Office spaces, Daylight harvesting, Cafeterias, Ballrooms, Auditoriums, Houses of worship, Lecture halls, Conference rooms, Restaurants, Multi-purpose rooms, Office spaces, Spaces requiring a single dimming source for a broad range of loads

A-2000® DIMMER MODULES LOAD TYPES

Supported Load Type	Universal	240V	Standard
Incandescent	x	x	x
Tungsten	x	x	x
Neon	x	x	x
Cold-Cathode	x	x	x
Magnetic Low Voltage	x	x	x
Electronic Low Voltage*	x	x	x
Fluorescent Dimming Ballasts	x	x	x
0–10V Fluorescent Ballast Example: Advance Mark 7®	x	x	x
2-Wire Fluorescent Ballast Example: Advance Mark 10®	x	–	x
3-Wire Fluorescent Ballast Examples: Lutron Hi-lume® & Eco-10™	x**	–	–



a-2000-24 with Relay Cabinet

*Electronic Low Voltage transformers are supported upon the manufacturer's approval for use with forward phase dimmers. When the use of Electronic Low Voltage is required that does not meet this requirement, Leviton's PE400 power extender may be used. Contact your local Leviton LMS representative for more information.
**Supports all standard load types as well as 2 circuits of Hi-lume and other 3-wire fluorescent dimming ballasts.
Mark 7® and Mark 10® are registered trademarks of Advance Transformer Co.
Eco-10™ is a trademark and Hi-lume® is a registered trademark of Lutron Electronics Co., Inc.

LEVITON

Commercial Grade

A-2000®

a-2000 240V cabinets are available as standard 3 phase, 12 or 24 circuit cabinet sizes main lug only.

Also available with main breaker options.

Consult with factory for additional information.

A 2 □ □ L – □ □

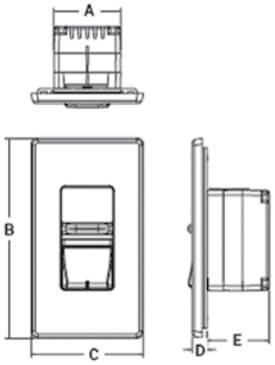
Control Electronics	
D	Standard
B	Standard with Analog Input Card

Cabinet Voltage*	
1	120V
2	277V
4	240V

Feed Type	
1	1Ø
3	3Ø

Cabinet Size	
12	12 Channel Cabinet
24	24 Channel Cabinet
36	36 Channel Cabinet
48	48 Channel Cabinet

DIMENSIONS



Description	A	B	C	D	E
Narrow Dimmer	1.720" (43.68mm)	5.157" (1.30.99mm)	2.891" (73.4314mm)	0.385" (9.779mm)	1.600" (40.64mm)
Wide Dimmer	1.720" (43.68mm)	5.157" (1.30.99mm)	4.701" (119.4054mm)	0.385" (9.779mm)	1.600" (40.64mm)
Switch	1.720" (43.68mm)	5.157" (1.30.99mm)	2.891" (73.4314mm)	0.385" (9.779mm)	1.600" (40.64mm)
Switch Remote	1.720" (43.68mm)	5.157" (1.30.99mm)	2.891" (73.4314mm)	0.385" (9.779mm)	1.103" (28.1062mm)
Dimmer Remote	1.720" (43.68mm)	5.157" (1.30.99mm)	2.891" (73.4314mm)	0.385" (9.779mm)	1.103" (28.1062mm)

A-2000® DIMMER MODULES

Description	Rating	Cat. No.
Universal Dual Dimmer Module	120V, 20A	A20UN-012
Universal Dual Dimmer Module	120V/277V, 20A	A20UN-027
Dual Dimmer Module	120V, 20A	A20DD-012
Dual Constant Module	120V, 20A	A20DC-012
High-Rise Dimmer Module	120V, 20A	A20HD-012
Dual Dimmer Module	277V, 20A	A20DD-A27
Dual Constant	277V, 20A	A20DC-A27
Dual Dimmer Module	230V, 20A	A15DD-230
Dual Dimmer Module	230V, 20A	A20DD-230

Easy Configuration With ASAP Lighting Design Software

Easily configure your lighting controls systems with the Leviton ASAP Lighting Design Software. This exclusive point-and-click software allows you to quickly and simply design, specify, and enter orders with a seven-day turnaround time — download the software at **www.leviton.com/asap**.

- Easily configure lighting controls systems featuring Dimensions®, a-2000 Cabinets, Z-MAX™ Plus, EZ-MAX™ Plus, mini-Z™, Wireless Solutions, occupancy sensors and more
- Quickly and simply design, specify and enter orders
- Create a submittal package in minutes
- Supply your customers complete lighting controls in less time
- Enjoy an unheard of seven-day turnaround time
- Web enabled interface for easy access and real-time updates
- Accessible via PC or MAC and platform compatible with Explorer, Firefox and Safari

Renoir® II Architectural Wall Box Dimmers Preset Slide – Thin Heat Sink, Preset Slide – Standard Heat Sink, and Rotary – Standard Heat Sink

The Leviton Renoir II line of architectural wall box dimmers supports an unparalleled number of applications using a minimum number of SKUs. Renoir II high performance dimmers support all load types and configurations. Performance, aesthetics, multi-location dimming, color selection, and multi-gang capabilities make Renoir II a highly functional, yet elegant solution for architectural dimming control.



MAIN BREAKER OPTIONS

Description	Cat. No.	Indicate Breaker Size in Amps
For 1 Phase, 120/240V Cabinets	A2K1B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200, 225
For 3 Phase, 120/208V Cabinets	A2K3B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200, 225
For 3 Phase, 120/208V Cabinets	A273B — _ _	30, 50, 60, 70, 80, 100, 125, 150, 175, 200 (150-200A for 24 circuit cabinets only)

Factory Installation required. Order with your cabinet. Single cabinet configurations only.

Specifications and Features

- Universal voltage – 120-277V (excludes non-neutral models)
- Multi-location dimming – up to 5-way dimming
  - — Remote dimmers and switches
  - — Connect up to 5 devices, max 250' on 1 traveler wire
    - – Remotes control all connected master dimmers
    - – Masters always operate independently
- Locater indicator – illuminates when dimmer is off for easy location in a dark room
- Non-neutral models – for retrofit applications
- Configurable cut-off level – allows user configuration of cut-off point and automatically recalibrates to allow maximum control from cutoff point to full output
- Smooth-action, linear captive slide control - easy, precise adjustment of lighting levels
- Easy-touch preset switch turns lights ON at last selected brightness level
- Clean and stylish appearance
  - — Fits standard commercial 2 1/2" deep wall boxes (field configurable multi-gang boxes not supported)
  - — Decora styling coordinates with Leviton's extensive line of Decora devices
  - — Fins are easily removed for multi-gang applications
  - — No visible metal heat sinks, fins, or mounting hardware
- Solid state triac dimming – saves energy when dimming, extends lamp life, and reduces maintenance costs
- Flicker free, smooth, and continuous dimming – reduces light fluctuations from line-voltage variation and maintains the power delivered to the lamp
- Power-failure memory – light is restored to the same levels set prior to the power failure or power interruption
- Surge protection – tested to withstand surges of 6000V, 20A (ANSI/IEEE Std. C62.41-1980)
- Electrostatic discharge protection – protects dimmer against static discharge up to 16,000V
- Advanced technology engineered heat sinks – transfers heat away from essential electrical components for extended product life
- Square law dimming – slider position indicates the perceived light level
- RFI filtering – reduces interference with radio, audio, and video equipment
- Accessible air-gap feature – completely disconnects power from the load when lights are off for safety when changing lamps

Models/Supported Load Types

Incandescent
- 120V, 60Hz non-neutral 1-Wire (Dimmed Hot)
- 120-277VAC, 60Hz (with neutral) 2-Wire (Dimmed Hot + Neutral)
- Forward Phase Dimmer
- Square Law Dimming
- Symmetrical AC waveform for all load types
- Incandescent
- Tungsten
- Magnetic Low Voltage
- Forward Phase Control Electronic Low Voltage Transformers
- Forward Phase Control LED Drivers
- Forward Phase Control Neon/Cold Cathode Ballasts
- Minimum load, 15W

Electronic Low Voltage – 2-Wire Dimmed (Hot & Neutral)
- 120-277VAC, 60Hz
- Reverse Phase Dimmer
- Square Law Dimming
- 2-Wire (Dimmed Hot + Neutral)
- Forward or Reverse Phase Control Electronic Low Voltage Transformers
- Forward or Reverse Phase Control LED Drivers
- Forward or Reverse Phase Control Neon/Cold Cathode Ballasts
- Incandescent/Tungsten
- No minimum load

Ballast – 0-10V
- 120-277VAC, 60Hz
- Linear Dimming
- Any ballast requiring 0-10V "sinking" control
- ex: Leviton Sector™, Advance Mark 7®*, Universal SuperDim®*, Lutron TVE™*, Sylvania Quicktronic® Powersense™*
- No minimum load

Ballast – 2-Wire Control (Dimmed Hot + Neutral)
- 120-277VAC, 60Hz
- Linear Dimming
- Forward Phase Control
- ex: Advance Mark 10®*, Sylvania Quicktronic® Powersense™, Lutron Tu-Wire®*
- No minimum load

Ballast – 3-Wire Control (Switched Hot + Dimmed Hot + Neutral)
- 120-277VAC, 60Hz
- Linear Dimming
- ex: Lutron Hi-lume®*, Lutron Eco-10®*
- No minimum load

Switch
- 120-277VAC, 60Hz
- Resistive Loads
- Inductive Loads
- Motor Loads
- Transformer Loads
- No minimum load

Fan Speed
- 120-277VAC, 60Hz
- Any quantity of ceiling paddle fans up to maximum current rating
- Any fan up to 5A, paddle fan up to 8.3A
- Patent-pending Super Silent Technology (SST) allows "quiet" performance with fully variable control
- No minimum load

*Mark 7® and Mark 10® are registered trademarks of Advance Transformer Company.
Tu-Wire®, Hi-lume®, and Eco-10® are registered trademarks of Lutron Electronics, Inc.
TVE™ is a trademark of Lutron Electronics, Inc.
SuperDim® is a registered trademark of Universal™ Lighting Technologies.
Quicktronic® is a registered trademark of OSRAM Sylvania.
Powersense™ is a trademark of OSRAM Sylvania.

COLORS

Note: Not all models come in all colors. Color Change Kits available for specific devices. See listings for details.



White (-W) | Ivory (-I) | Light Almond (-T) | Grey (-G) | Black (-E)

Ordering Information

DIMMERS

Description	Cat. No.*
Dimmers, Preset Slide – Thin Heat Sink	AWSMT-xxx
Dimmers, Preset Slide – Standard Heat Sink	AWSMG-xxx
Dimmers, Rotary – Standard Heat Sink	AMRMG-xxx

Replace –xxx with digits from table below depending on load type.

Incandescent Non-Neutral (120V Only)	Incandescent	Ballast: 0-10V	Ballast: 2-Wire Control	Ballast: 3-Wire Control	Electronic Low Voltage	Current*	VA @ 120VAC*	VA @ 230VAC*	VA @ 277VAC
– IAW Narrow**	– MAW Narrow	—	– XAW Narrow	– HAW Narrow	– EAW Wide	5A	600	1,150	1,385
– IBW Narrow	– MBW Narrow	—	– XBW Narrow	– HBW Narrow	– EBW Wide	8-1/3A	1,000	1,917	2,308
– ICW Wide	– MCW Wide	—	– XCW Wide	– HCW Narrow	—	12.5A	1,500	2,875	3,463
– IDW Wide	– MDW Wide	– 7DW Narrow	– XDW Wide	– HDW Narrow	—	16A	2,000	3,680	4,432

*Ganged dimmers may require de-rating. Please reference **www.leviton.com/RenoirII** for additional information.
**Narrow/Wide indicator indicates width of the heat sink. Reference dimensions section for sizes.

Fan Speed Controls

- Rated for control of any motor up to 5A
- Rated for control of any number of ceiling style paddle fans up to ratings below

FAN SPEED CONTROLS

Description	Cat. No.*
Fan Speed Controls, Preset Slide – Thin Heat Sink	AWSMT-xxx
Fan Speed Controls, Preset Slide – Standard Heat Sink	AWSMG-xxx
Fan Speed Controls, Rotary – Standard Heat Sink	AMRMG-xxx

Replace –xxx with digits from table below depending on load type.

Description	Current	VA @ 120VAC*	VA @ 230VAC*	VA @ 277VAC
– QAW Narrow	5A	600	1,150	1,385
– QBW Narrow	8-1/3A	1,000	1,917	2,308

*Ganged dimmers may require de-rating. Please reference www.leviton.com/RenoirII for additional information.
**Narrow/Wide indicator indicates width of the heat sink. Reference dimensions section for sizes.

SWITCHES

Description	Cat. No.
Switches, Preset Slide – Thin Heat Sink	AWWMT-0DW
Switches, Preset Slide – Standard Heat Sink	AWWMG-0DW
Switches, Rotary – Standard Heat Sink	AWWMG-0DW

Description	Current*	VA @ 120VAC*	VA @ 230VAC*	VA @ 277VAC*
VA	15A	1,800	3,450	4,150
Horsepower	15A	1.5HP	1.5HP	1.5HP

*All switches use Narrow heat sink.

REMOTES

Description	Cat. No.
Remotes, Slide Control – Thin Heat Sink	AWSRT-00W
Remotes, Switch Control – Thin Heat Sink	AWWRT-00W
Remotes, Slide Control – Standard Heat Sink	AWSRG-00W
Remotes, Switch Control – Standard Heat Sink	AWWRG-00W
Remotes, Slide Control for Rotary – Standard Heat Sink	AWRRT-00W
Remotes, Switch Control for Rotary – Standard Heat Sink	AWWRG-00W

COLOR CHANGE KITS

Description	Cat. No.*
Color Change Kits, Preset Slide – Thin Heat Sink	AWyCT-00x
Color Change Kits, Preset Slide – Standard Heat Sink	AWyCG-00x
Color Change Kits, Rotary – Standard Heat Sink	AWyCG-00x

Replace y and x with digits from options below depending on control type and color.

- Y = Control Type, replace y with any of the following:
  S = Slide Control
  W = Switch
- -00x = Color, replace x with any of the following:
  W = White
  I = Ivory
  T = Light Almond
  G = Grey
  E = Black
  C = Custom/Field Painted

Wallplates

Each device is supplied with a white single gang plate. For purchase of replacement plates or plates in an alternate color, please consult the chart below. For custom plates, please note required 4-6 week lead time.

WALLPLATES

Description	Cat. No.*
Wall Plates for Renoir II Architectural Wall Box Dimmers	AWP0y-nwc

Replace y and N, W, C with digits from options below depending on fins, number of Narrow or Wide dimmers, and color.

- Y = Indicates whether fins are to be left on or removed. Replace with the following:
  F = All fins remain on, 0=Fins to be removed when possible (allows for narrowest possible installation)
- N = Number of Narrow dimmers, 0-6 supported*
- W = Number of Wide dimmers, 0-4 supported*
- C = Color, replace with any of the following:
  W = White
  I = Ivory
  T = Light Almond
  G = Grey
  E = Black
  C = Custom/Field Painted
  L = Brushed Stainless Steel
  K = 24K Gold
  B = Satin Brass
  R = Antique Bronze

*Ganged dimmers may require de-rating. Some configurations require custom wall plates which are built to order and not available in metal finishes. Please reference www.leviton.com/RenoirII or consult with customer service for additional information.

TESTING AND CODE COMPLIANCE

- cUL or cETL listed to UL/CSA Standards (File # E31373 for Dimmers, File # E123566 for Fans)
- NOM
- ANSI/IEEE C62.41.2 – voltage surges to 6000V & surges to 200A
- ESD Protection to IEC61000 4-2 Level 4 protects against damage due to static discharge of 16KV or higher
- FCC Part 15, Class B for radiated and conducted emissions

ENVIRONMENTAL

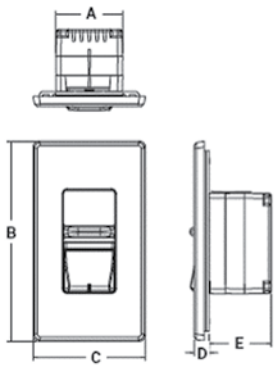
- Operating 0° C to 40°C
- Non-operating -10° C to 85°C
- Relative humidity, non-condensing 0% to 90%

CAUTION ON RETROFITS:

When retrofitting dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets in order to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast. Leviton sockets for T8 lamps which fit many common applications can be purchased with P/N #13661.

DIMENSIONS

Description	A	B	C	D	E
Narrow Dimmer	1.720” (43.68mm)	5.157” (1.30.99mm)	2.891” (73.4314mm)	0.385” (9.779mm)	1.600” (40.64mm)
Wide Dimmer	1.720” (43.68mm)	5.157” (1.30.99mm)	4.701” (119.4054mm)	0.385” (9.779mm)	1.600” (40.64mm)
Switch	1.720” (43.68mm)	5.157” (1.30.99mm)	2.891” (73.4314mm)	0.385” (9.779mm)	1.600” (40.64mm)
Switch Remote	1.720” (43.68mm)	5.157” (1.30.99mm)	2.891” (73.4314mm)	0.385” (9.779mm)	1.103” (28.1062mm)
Dimmer Remote	1.720” (43.68mm)	5.157” (1.30.99mm)	2.891” (73.4314mm)	0.385” (9.779mm)	1.103” (28.1062mm)



Ganging & Derating

Multi-gang wallplates are available for every permissible combination of small fin and large fin dimmers. The Wallbox Requirements tables on the following pages can be used to determine how many boxes are required for the application.

- When small and large fin devices are combined, all the large fin devices must be placed to one side and all the small fin devices must be placed to the other side
- In an installation where all the fins are broken off, do not remove the fins from the dimmers at each of the extreme ends of the installation

Multi-Gang Installation

- Install dimmers whenever possible without breaking off fins so that derating is not necessary—even when ganging. If an installation requires fins to be broken off for space requirements, derating is required
- When ganging combinations of narrow and wide dimmers or when ordering a custom wallplate, keep in mind that narrow dimmers must be grouped together at one end of the gang and all wide dimmers at the other end of the gang
- Use adapter plates (Cat. No. MN0LA or MN0SA) to enable use of ANY Decora® device in a Monet multi-gang installation

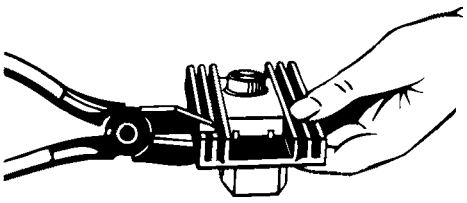
CAUTION: Do not gang dimmers vertically, one directly above another.

No Fins Broken Off

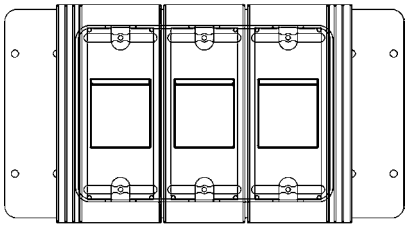
A multi-gang masonry box or a multi-gang switch box with a raised cover is recommended for easy installation, although standard outlet boxes will work. No derating is necessary. See the Wallbox Requirements tables that follow for the size and number of outlet boxes required for multi-gang installations.

Fins Broken Off

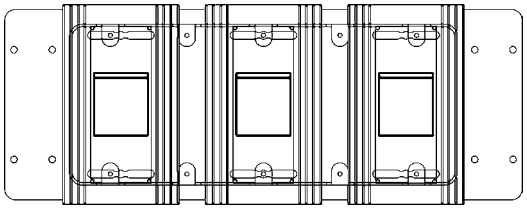
The fins on the dimmers have special break-off points that allow removal of partial fin sections for ganging. Use pliers to carefully bend fin sides back and forth until they break off. These sections should only be removed at the break-off point to permit proper ventilation. DO NOT remove side sections on extreme ends of the gang. See the tables that follow for the size and number of outlet boxes required for multi-gang installations when all inside fins are removed.



Fin Removal Procedure



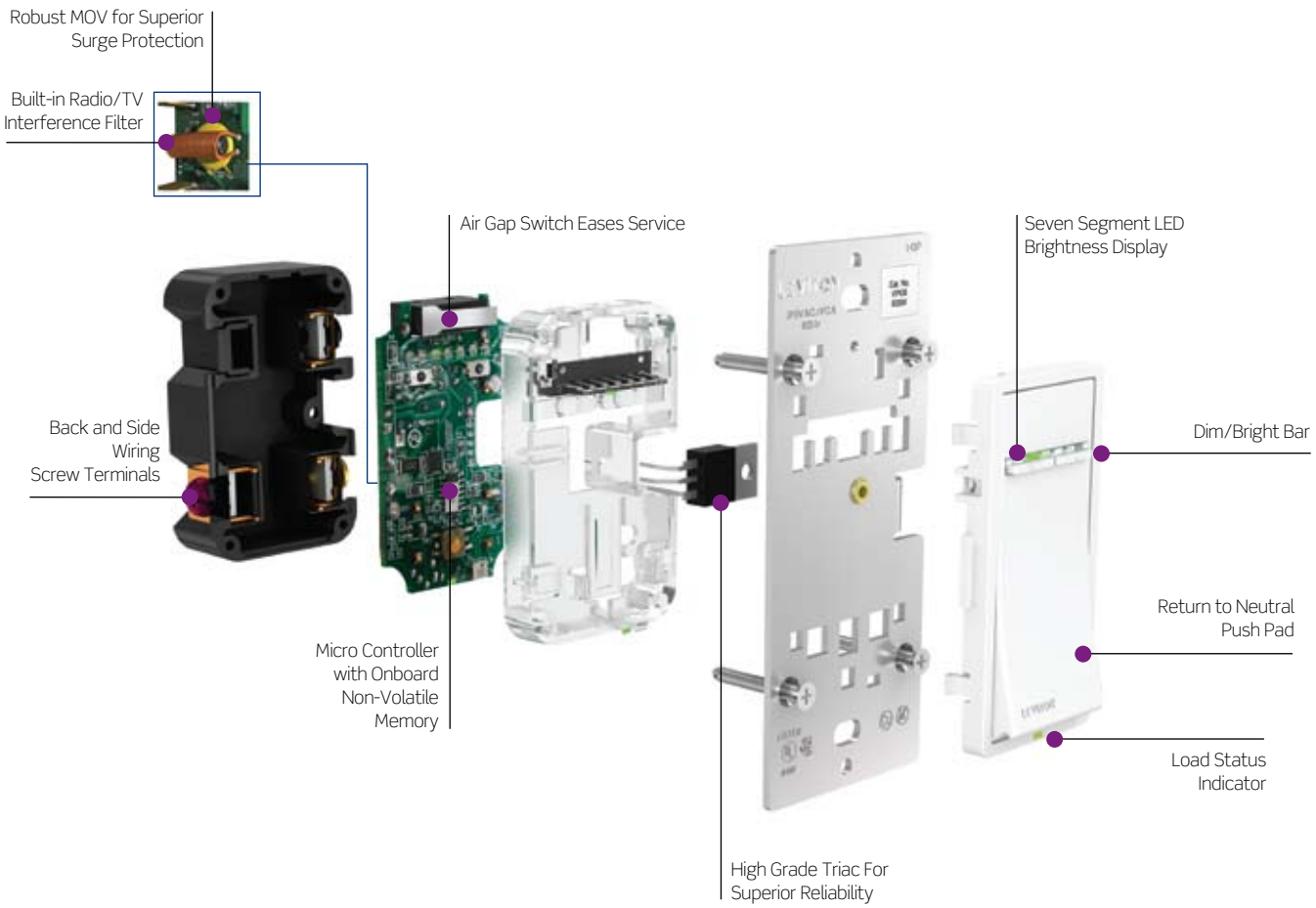
Example of 3-gang outlet box with 3 narrow dimmers and no wide dimmers (note mounting holes)



Example of 5-gang outlet box with 3 narrow dimmers and no wide dimmers (note mounting holes)

Decora® Digital Dimmers and Fan Speed Controls

Decora styling is the hallmark of these fine product lines. Decora Digital – consisting of Vizia +®, Mural® and True Touch™ – blends sophisticated design and advanced technology. Digitally engineered, these are sleek and contemporary devices, with intuitive operation.



COLORS

Note: Not all models come in all colors. Color Change Kits available for specific devices. See listings for details.

White (-W) | Ivory (-I) | Almond (-A) | Light Almond (-T) | Grey (-G) | Black (-E) | Brown (-B) | Red (-R)

Features and Benefits

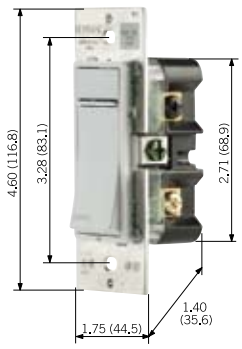
- Universal design for all ages and abilities
- Digital circuitry provides soft ON/fade OFF that extends lamp life
- Meets all applicable UL, CSA, NOM and FCC requirements
- Limited Five-Year Warranty

Mural® and Vizia +® are registered trademarks and True Touch™ is a trademark of Leviton Manufacturing Co., Inc.

Vizia +® Decora® Digital

Specifications and Features

- Universal design provides crisp actuation and minimal travel
- Push pad always returns to neutral position regardless of load status
- Shallow depth available on select models for easier installation
- For maximum flexibility, advanced programming is available for energy save mode, minimum brightness level, preset ON and OFF, fade rates, almost OFF and LED options
- Digital circuitry provides single pole, 3-way or multi-location dimming or switching when used with Vizia + remotes
- Terminal screws (back and side wire) available on select models for easier installation
- Green LED indicates load status and serves as locator light
- Air-gap switch completely disconnects power to unit for bulb changing or removal from service
- Digital circuitry provides soft ON/fade OFF switching that extends lamp life
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Complements Vizia RF + Home Controls
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Coordinates with Decora Plus switches
- Limited Five-Year Warranty



VP106

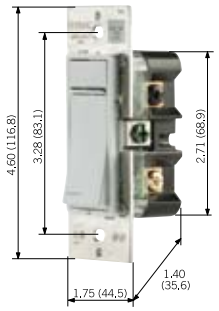
VIZIA + DECORA DIGITAL CONTROLS FOR SINGLE POLE, 3-WAY OR MORE APPLICATIONS

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator and brightness display	600W-120VAC	VPI06-1L	X, Z, W
Magnetic Low Voltage Dimmer with LED locator and brightness display	600VA (450W)-120VAC	VPM06-1L	X, Z
Incandescent/Magnetic Low Voltage Dimmer with LED locator and brightness display	Incandescent: 1000W-120 VAC Magnetic Low Voltage: 1000VA (800W)-120VAC	VPM10-1L	X, Z
Electronic Low Voltage Dimmer with LED locator and brightness display; neutral required	400W-120VAC	VPE04-1	X,Z
Electronic Low Voltage Dimmer with LED locator and brightness display; neutral required	600W-120VAC	VPE06-1L	X, Z
Fluorescent Dimmer for Mark 10® *Powerline* or Tu-Wire® Ballasts with LED locator and brightness display; neutral required	1000VA-120VAC	VPX10-1L	X, Z
Fluorescent Dimmer for Mark 10® *Powerline* Ballasts with LED locator and brightness display; neutral required	1200VA-277VAC	VPX12-7L	X, Z

Mark 10® *Powerline* is a registered trademarks of Advance Transformer Co.
Tu-Wire® is a registered trademark of Lutron Electronics Co., Inc.

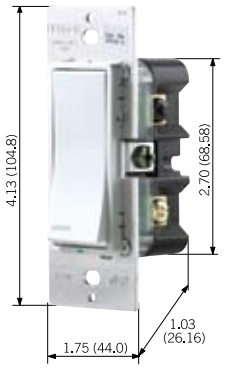
Description	Rating	Cat. No.	Color
Fluorescent Dimmer for Hi-lume® or Eco-10® (Eco-Series) Ballasts with LED locator and brightness display; neutral required	8A-120VAC	VPH08-1L	X, Z
Fluorescent Dimmer for Hi-lume or Eco-10 (Eco-Series) Ballasts with LED locator and brightness display; neutral required	6A-277VAC	VPH06-7L	X, Z
Coordinating Remote Unit to 120VAC Dimmers/Fan Speed Control for 3-way or up to 10 locations, no LED; neutral required±	No Load Rating - 120VAC	VP00R-10	X, Z
Matching Remote Unit to 120VAC Dimmers/Fan Speed Control for 3-way or up to 5 locations, with LED locator and brightness/fan speed display; neutral required	No Load Rating - 120VAC	VP00R-1L	X, Z, W
Matching Remote Dimmer to 277VAC Dimmers for 3-way or up to 5 locations, with LED locator and brightness display; neutral required	No Load Rating - 277VAC	VP00R-7L	X, Z



VP00R-1L

Fan Speed Control

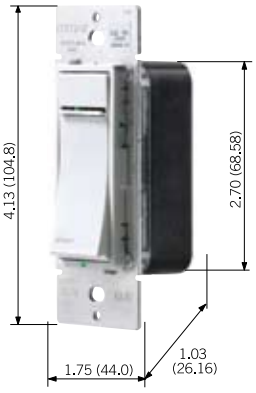
Description	Rating	Cat. No.	Color
Quiet Fan Speed Control with LED locator and fan speed display; neutral required	1.5A-120VAC	VPF01-1L	X, Z



VPS15

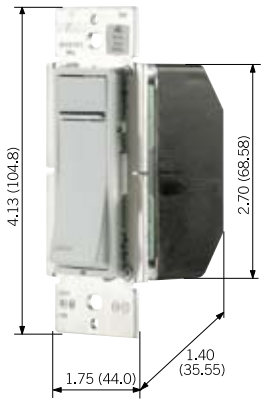
Switches

Description	Rating	Cat. No.	Color
Electronic Switch with LED locator; neutral required	15A-120VAC	VPS15-1L	X, Z
Matching Remote Switch to 120VAC Dimmers/Fan Speed Control and VPS15-1L Switch for 3-way or up to 5 locations with LED locator; neutral required	No Load Rating - 120VAC	VP0SR-1L	X, Z
Coordinating Remote Switch to 120VAC Dimmers/Fan Speed Control and VPS15-1L Switch for 3-way or up to 10 locations, no LED; neutral required±	No Load Rating - 120VAC	VP0SR-10	X, Z



VPF01

±Except when used with incandescent or magnetic low voltage devices.
Eco-10® and Hi-Lume® are registered trademarks of Lutron Electronics, Inc.



VPM10

COLOR CHANGE KITS FOR VIZIA + CONTROLS

Description	Cat. No.	Color
Matching Dimmer Color Change Kit with LED locator and brightness display	VPKIT-MD	W, I, A, T, G, E, B, R
Coordinating Dimmer Color Change Kit, no LEDs	VPKIT-CD	W, I, A, T, G, E, B, R
Matching Switch Color Change Kit with LED locator	VPKIT-MS	W, I, A, T, G, E, B, R
Coordinating Switch Color Change Kit, no LED	VPKIT-CS	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE
- UL Listed (File #E31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR
Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

CAUTION ON RETROFITS
When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Related Products
Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.
See page 227 for more information.

Vizia® is a registered trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Tu-Wire®, Eco-10® and Hi-lume® are registered trademarks of Lutron Electronics, Inc.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

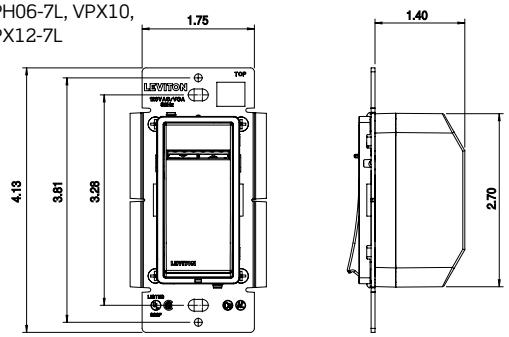
Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

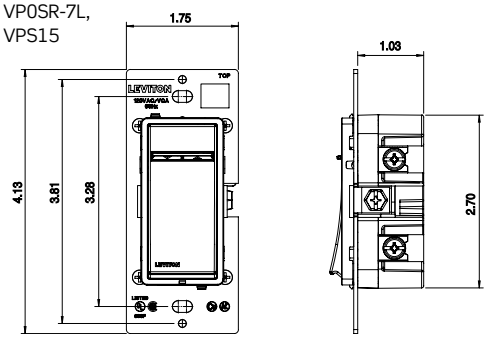
Cat. No.	Single	2-Gang	3-Gang
VPI06	600W	500W	400W
VPM06	600VA (450W)	500VA (375W)	400VA (300W)
VPM10 Incandescent	1000W	800W	650W
Magnetic Low Voltage	1000VA (800W)	800VA (640W)	650VA (520W)
VPE04	400W	350W	250W
VPE06	600W	500W	400W
VPX10	1000VA (8.3A)	800VA (6.6A)	650VA (5.4A)
VPX12	1200VA (4.3A)	1200VA (4.3A)	1200VA (4.3A)
VPH08	8A	8A	8A
VPH06	6A	6A	6A
VPF01	1.5A	1.5A	1.5A

DIMENSIONS

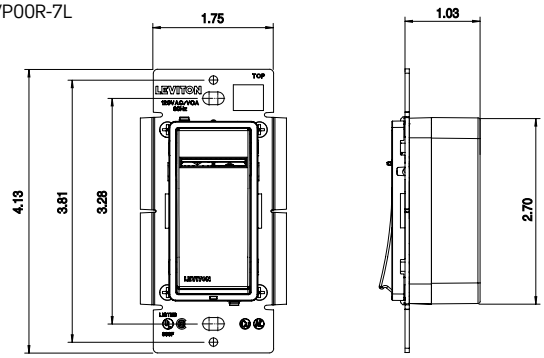
Dimmer with LEDs Shown:
VPE04, VPE06, VPH08,
VPH06-7L, VPX10,
VPX12-7L



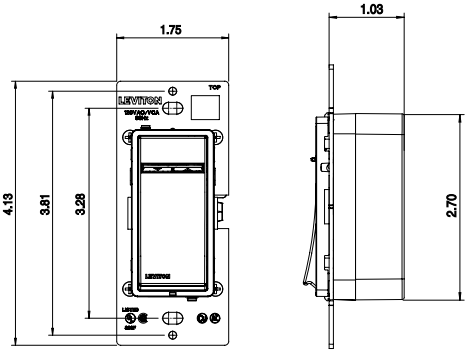
Dimmer with LEDs Shown:
VPI06, VPM06, VP00R-1L,
VP00R-10, VP0SR-7L,
VP0SR-10, VPS15



Dimmer with LEDs Shown:
VPM10, VP00R-7L



VPF01

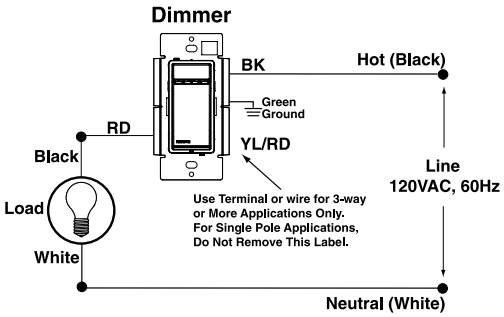


WIRING DIAGRAMS

Single pole wiring for incandescent or magnetic low voltage dimmer

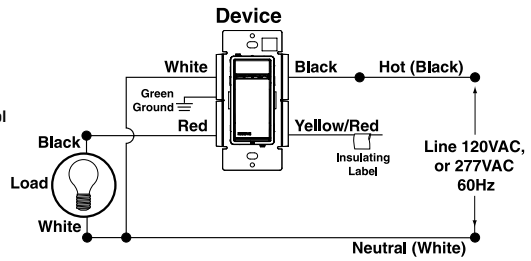
Dimmers
VPI06
VPM06
VPM10

NOTES:
1) VPI06 and VPM06 have screw terminals, VPM10 has leads
2) Red and Black leads (or terminals) are interchangeable



Single pole wiring for electronic low voltage dimmers, Mark 10® *Powerline* dimmers, fan speed control or switch

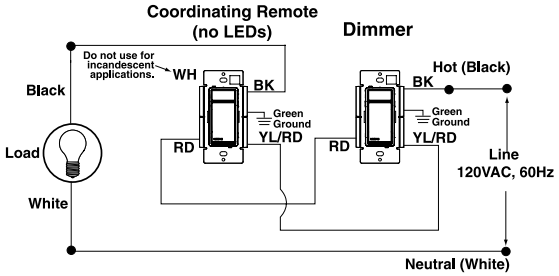
Dimmers
VPE04
VPE06
VPX10
VPX12-7L
Fan Speed Control
VPF01
Switch
VPS15



NOTES:
1) VPS15 has screw terminals, VPE04, VPE06, VPX10, VPF01 and VPX12-7L have leads

3-way wiring for incandescent or magnetic low voltage dimmers with coordinating remote

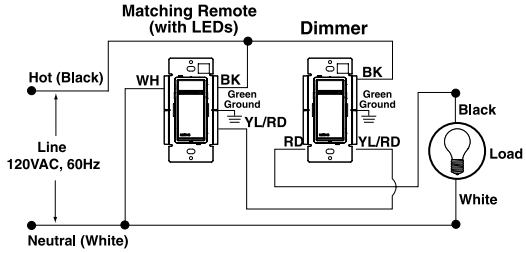
Dimmers
VPI06
VPM06
VPM10
Coordinating Dimmer Remote
VP00R-10
Coordinating Switch Remote
VP0SR-10



NOTES:
1) VPI06, VPM06 and VP00R-10 have screw terminals, VPM10 has leads
2) Black connections are interchangeable
4) Silver terminal on coordinating remote is unused

3-way wiring for incandescent or magnetic low voltage dimmer with matching remote

Dimmers
VPI06
VPM06
VPM10
Matching Dimmer Remote
VP00R-1L
Matching Switch Remote
VP0SR-1L



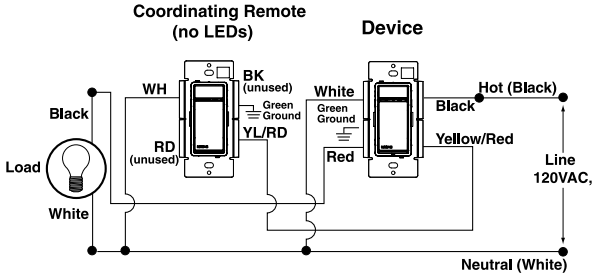
NOTES:
1) VPI06, VPM06, VP00R-1L and VP0SR-1L have screw terminals, VPM10 has leads

3-way wiring for electronic low voltage dimmer, Mark 10® *Powerline* dimmer, fan speed control or switch with coordinating remote

Dimmers
VPE04, VPE06, VPX10
Fan Speed Control
VPF01
Switch
VPS15

Coordinating Dimmer Remote
VP00R-10

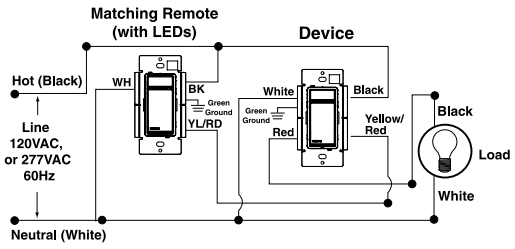
Coordinating Remote Switch
VP0SR-10



NOTES:
1) VPS15, VP0SR-10 andVP00R-10 have screw terminals, VPE04, VPE06, VPX10 and VPF01 have leads
2) Black and Red terminals on coordinating remotes are unused

3-way wiring for electronic low voltage dimmer, Mark 10® *Powerline* dimmer, fan speed control or switch with matching remote

Dimmers
VPE04
VPE06
VPX10
VPX12-7L
Fan Speed Control
VPF01
Switch
VPS15
Matching Dimmer Remotes
VP00R-1L
VP00R-7L
Matching Switch Remote
VP0SR-1L



NOTE: VPS15, VP0SR-1L and VP00R-1L have screw terminals, VPE04, VPE06, VPX10, VPF01, VPX12-7L and VP00R-7L have leads

Mural® Decora® Digital

Specifications and Features

Digital Controls

- Provides single pole, 3-way or multi-location full range dimming when used with MS00R or MSE0R remotes
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Decora rocker action provides crisp actuation and minimal travel
- Digital circuitry provides soft ON/fade OFF switching that extends lamp life
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Coordinates with Decora Home Controls
- Green LED locator illuminates when lights are OFF
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- Air-gap switch completely disconnects power to unit for bulb changing or removal from service
- Limited Five-Year Warranty

Scene Enhancement Products

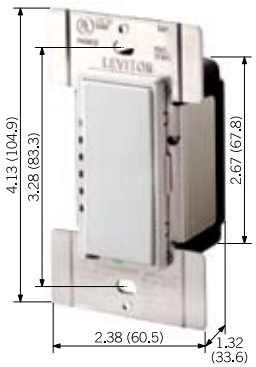
- 2-way repeater provides scene control communication link between branch circuits. 1-way repeater allows the creation of separate scene control zones
- Limited Five-Year Warranty

Mural Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device.

MURAL DECORA DIGITAL CONTROLS FOR SINGLE POLE, 3-WAY OR MORE APPLICATIONS

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator and brightness display	600W-120VAC	MDI06-1L	W, I, A
Incandescent Dimmer with LED locator and brightness display	1000W-120VAC	MDI10-1L	W, I, A
Magnetic Low Voltage Dimmer with LED locator and brightness display	600VA (450W)-120VAC	MDM06-1L	W, I, A
Magnetic Low Voltage Dimmer with LED locator and brightness display	1000VA (800W)-120VAC	MDM10-1L	W, I, A
Electronic Low Voltage Dimmer with LED locator and brightness display, neutral required	350VA (280W)-120VAC	MDE03-1L	W
Coordinating Remote Unit to Dimmers/Fan Speed Controls for 3-way or up to 10 locations, no LED	No load rating - 120VAC	MS00R-10	W, I, A
Coordinating Remote Unit to Electronic Low Voltage Dimmer for 3-way or up to 10 locations, no LED, neutral required	No load rating - 120VAC	MSE0R-10	W



MDI06-1LW

Fan Speed Control

Description	Rating	Cat. No.	Color
Quiet Fan Speed Control with LED locator and brightness display; neutral required	1.5A-120VAC	MDF01-1L	W

COLOR CHANGE KITS FOR MURAL® DIMMERS

Description	Cat. No.	Color
Dimmer and Fan Speed Control Color Change Kit with LED locator and brightness display	DRKDD-1L	W, I, A, G, E, B
Remote Color Change Kit, no LED locator or display	DRK0R-00	W, I, A, G, E, B

TESTING AND CODE COMPLIANCE
- UL Listed (File #E31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR
To order colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Almond (-A), Gray (-G), Black (-E) and Brown (-B)

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or more
MDE03-1L	350VA (280W)	250VA (200W)	200VA (160W)
MDF01-1L	1.5A	1.5A	1.5A
MDI06-1L	600W	500W	400W
MDI10-1L	1000W	800W	700W
MDM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
MDM10-1L	1000VA (800W)	800VA (650W)	700VA (560W)

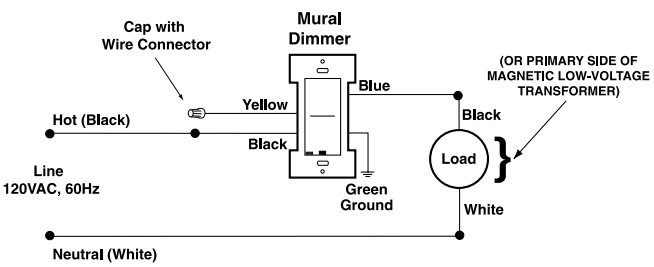
TESTING AND CODE COMPLIANCE
- UL Listed (File #E31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

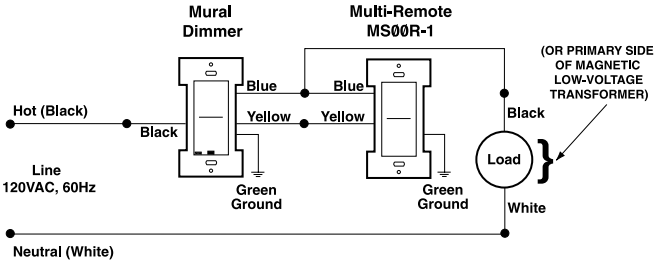
COLOR
To order colors, add suffix to basic Cat. No.
White (-W), Ivory (-I), Almond (-A), Grey (-G), Black (-E)

WIRING DIAGRAMS

Mural Single-Location Control Application



Mural 2-Location Control Application



True Touch™ Decora® Digital

Specifications and Features

- Simple one touch for ON at preset level, or OFF. Touch and hold for BRIGHT/DIM lighting control
- Provides single pole, 3-way or multi-location control when used with TT00R remotes
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Digital circuitry provides soft ON/fade OFF switching that extends lamp life
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Green LED indicates load status and serves as locator light
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Protected memory maintains light levels after short term power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- Air-gap switch completely disconnects power to unit for bulb changing or removal from service
- Limited Five-Year Warranty

TRUE TOUCH DECORA DIGITAL DIMMERS FOR SINGLE POLE, 3-WAY OR MORE APPLICATIONS

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator	600W-120VAC	TTI06-1L	X, Z, GS
Incandescent Dimmer with LED locator	1000W-120VAC	TTI10-1L	X, Z, GS
Magnetic Low Voltage Dimmer with LED Locator	1000VA (800W)-120VAC	TTM10-1L	X, Z, GS
Coordinating Remote Dimmer for 3-way or up to 10 locations, no LED	No load rating 120VAC	TT00R-1	X, Z, GS

COLOR CHANGE KITS FOR TRUE TOUCH DECORA DIGITAL DIMMERS

Description	Cat. No.	Color
Dimmer Color Change Kit	TTKIT	W, I, A, T, G, E, WS, GI, BG
Remote Color Change Kit	TTKTR	W, I, A, T, G, E, WS, GI, BG

True Touch Decora Digital Lighting Controls are polarity-sensitive devices. Always follow the wiring instructions included with each device.

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or more
TTI06-1L	600W	500W	400W
TTI10-1L	1000W	800W	700W
TTM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR
TTI06, TTI10 and TTM10 products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond; products with suffix (-GS) include White, Gold and Silver. Color change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), White Frame/Silver Touch (-WS), Ivory Frame/Gold Touch (-GI) and Brown Frame/Gold Touch (-BG)

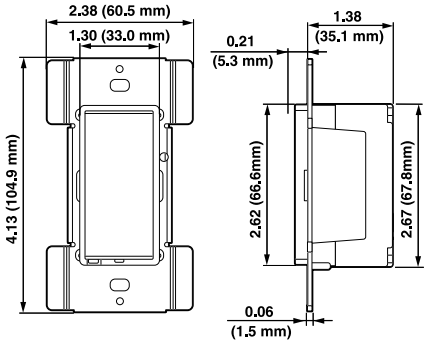
CAUTION ON RETROFITS
When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Related Products
Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.
See page 227 for more information.

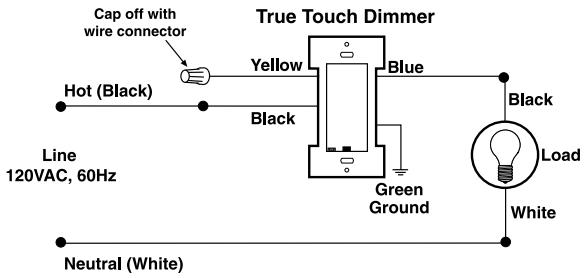
TrueTouch™ is a trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.

DIMENSIONS

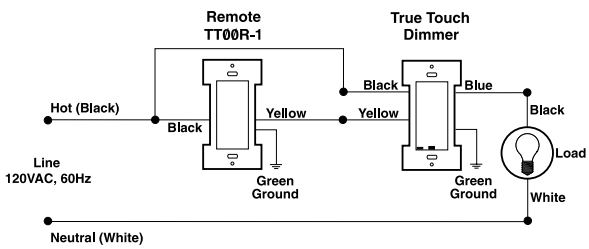


WIRING DIAGRAMS

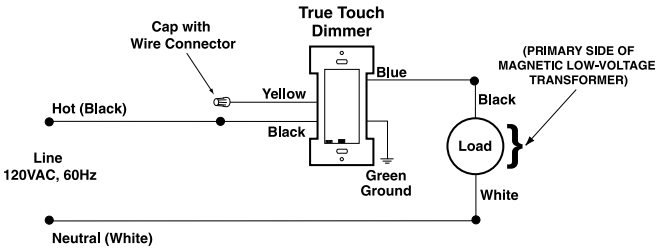
TTI06 & TTI10 single pole wiring diagram



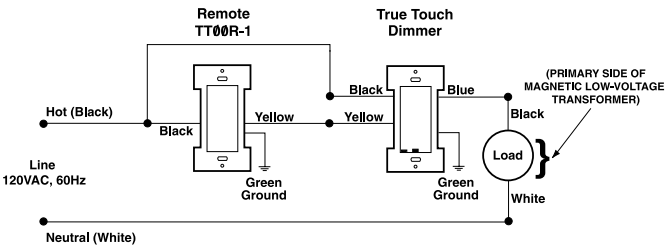
TTI06 & TTI10 3-way wiring diagram with TT00R



TTM10 single pole wiring diagram



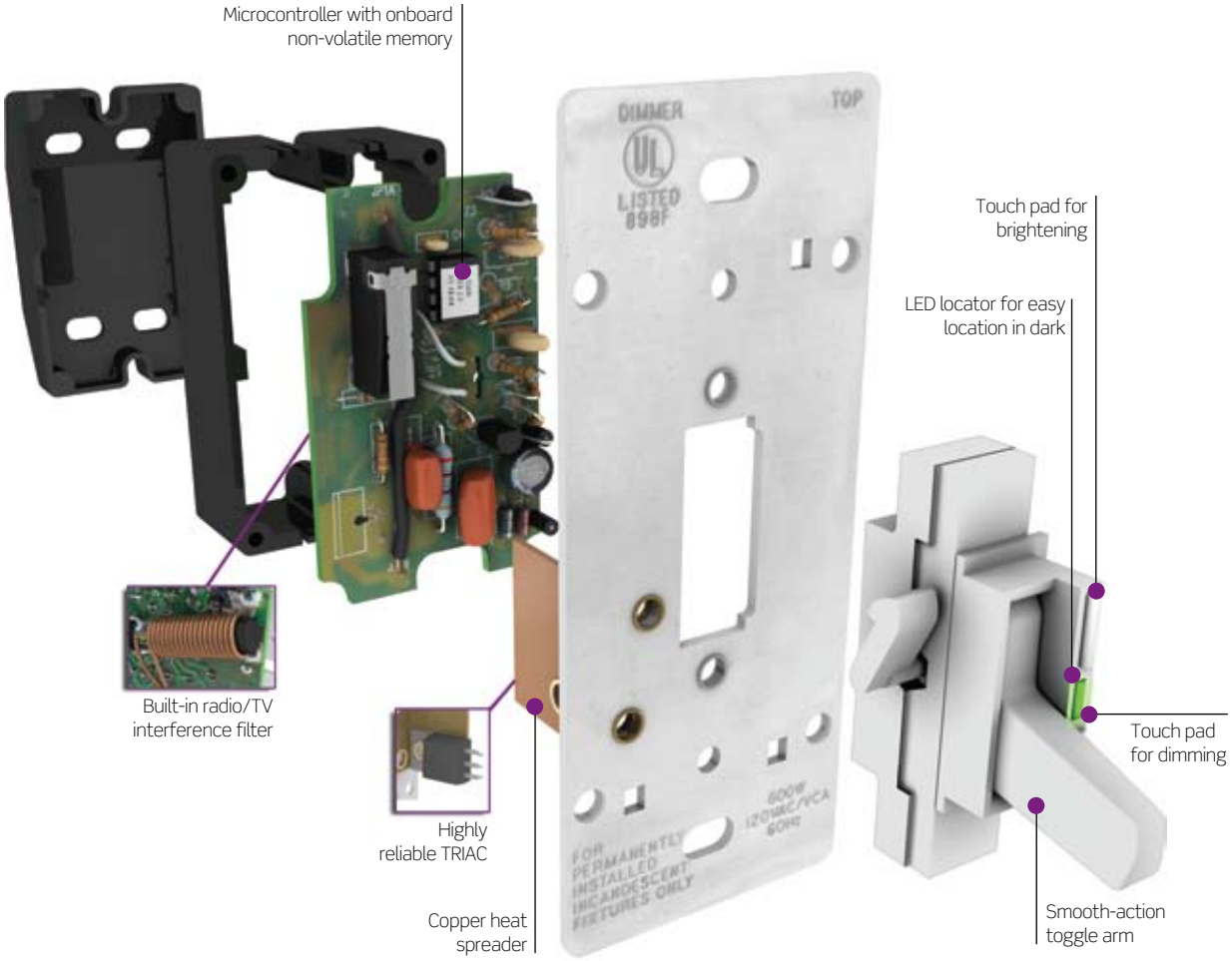
TTM10 3-way wiring diagram



Commercial Grade

ToggleTouch® Lighting Controls

ToggleTouch combines classic design, advanced digital technology and easy operation.



Features and Benefits

- Built-in radio/TV interference filter
- Classic toggle opening for traditional styling
- Limited Five-Year Warranty

ToggleTouch® is a registered trademark of Leviton Manufacturing Co., Inc.

ToggleTouch®

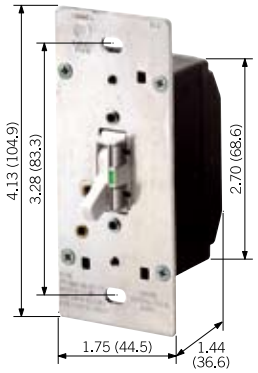
Specifications and Features

- Provides a unique combination of toggle ON/OFF switching and digital touch pad technology
- Designed for smooth ON/OFF toggle action and easy to operate fingertip touch dimming control
- Provides single pole or 3-way control when used with a 3-way switch
- Touch pads match color of toggle switch
- Compatible with Leviton standard toggle wallplates and all Leviton toggle switches
- Provides preset dimming with soft ON feature. Does not provide fade OFF
- LED locator illuminates when lights are OFF
- Protected memory during temporary power failures ensures that ToggleTouch will retain last setting before power interruption
- Built-in radio/TV interference filter
- Limited Five-Year Warranty

TOGGLETOUCH DIGITAL DIMMERS – SINGLE POLE OR 3-WAY

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator	600W-120VAC	TGI06-1L	W, I, A, T, B
Incandescent Dimmer with LED locator	1000W-120VAC	TGI10-1L	W, I, A, T, G
Magnetic Low Voltage Dimmer with LED locator	1000VA (800W)-120VAC	TGM10-1L	W, I, A, T

Note: Leviton does not recommend using the ToggleTouch Dimmer with metal wallplates



TGI06-1L

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or More
TGI06-1L	600W	500W	400W
TGI10-1L	1000W	800W	700W
TGM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

To order colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Grey (-G) and Brown (-B)

CAUTION ON RETROFITS

When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

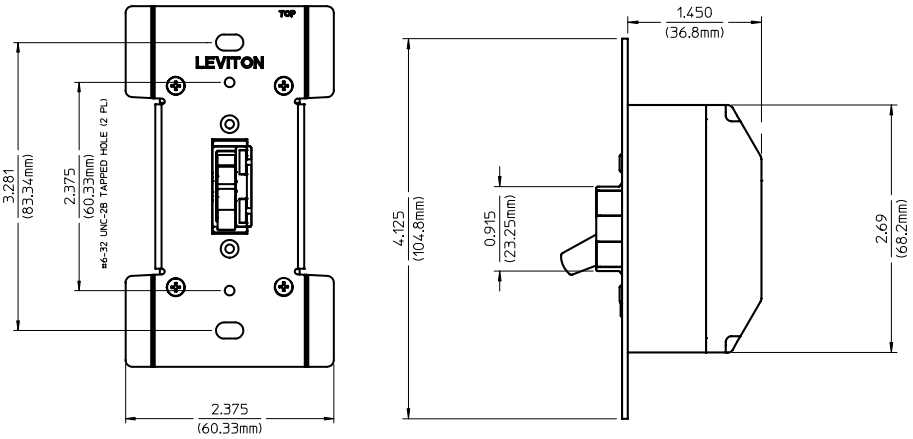
Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

See page 227 for more information.

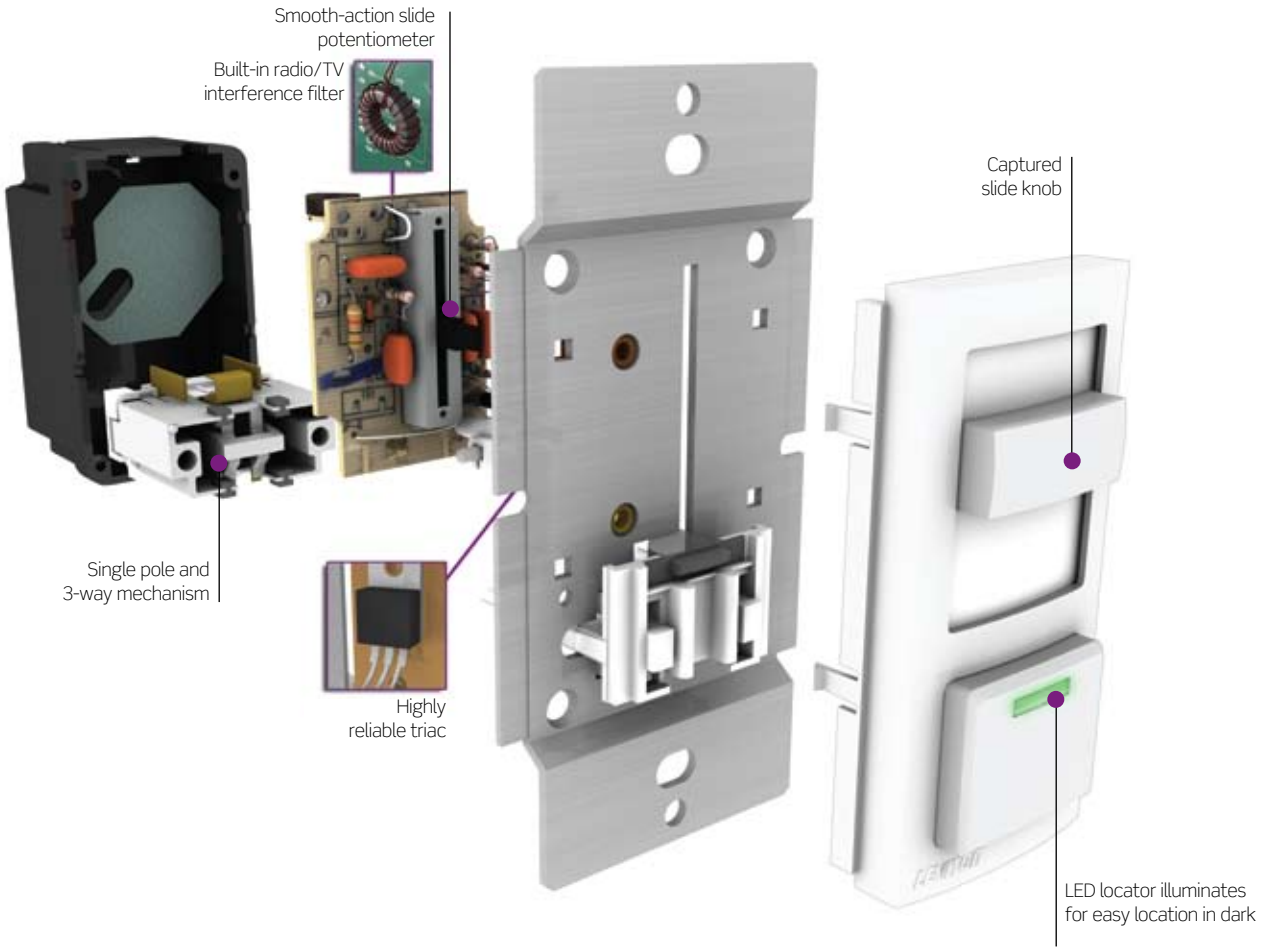
ToggleTouch® is a registered trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

DIMENSIONS


TOP
LEVITON
3.281
(83.34mm)
2.375
(60.33mm)
#6-32 UNC-2B TAPPED HOLE (2 PL)
2.375
(60.33mm)
1.450
(36.8mm)
4.125
(104.8mm)
0.915
(23.25mm)
2.69
(68.2mm)

Decora®

The Decora line – IllumaTech™, IllumaTech Rotary and SureSlide™ – offers innovation and elegance to suit any décor. All of these products deliver the high performance and reliability you've come to expect from the Decora name.



Features and Benefits

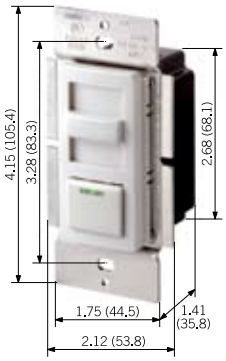
- Provides single pole and two-location control when used with a 3-way switch
- Streamlined, popular Decora® styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus screwless wallplates and Decora wallplates
- Quiet 1.5A fan speed controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting
- Captured slide bar stays on slide devices
- UL, CSA and NOM listed
- Limited Five-Year Warranty

Decora® is a registered trademark and IllumaTech™ and SureSlide™ are trademarks of Leviton Manufacturing Co., Inc.

IllumaTech™ Decora®

Specifications and Features

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captive wraparound slide bar remains securely attached
- Easy to use push button switch with conveniently positioned green LED locator
- Provides single pole and multi-location lighting control when used with a 3-way switch
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Quiet 1.5 amp fan speed controls are ideal for bedrooms, libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5 amp fan speed controls also available
- Color change kits are available to allow fast color changeover to simplify stocking inventory and feature a self aligning mechanism that automatically connects it to internal slider
- Limited Five-Year Warranty



IPI10-1L7

ILLUMATECH DECORA PRESET SLIDE CONTROLS – SINGLE POLE OR 3-WAY

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator	600W-120VAC	IPI06-1L	X, Z
Incandescent Dimmer with LED locator	1000W-120VAC	IPI10-1L	X, Z
Magnetic Low Voltage Dimmer with LED locator	600VA (450W)-120VAC	IPM06-1L	X, Z
Magnetic Low Voltage Dimmer with LED locator	1000VA (800W)-120VAC	IPM10-1L	X, Z
Electronic Low Voltage Dimmer with LED locator, neutral required	400VA (320W)-120VAC	IPE04-1L	X, Z
Fluorescent Dimmer for Mark 10® *Powerline* Ballast, no LED; neutral required	600VA-120VAC	IPX06-10	X, Z
Fluorescent Dimmer Mark 10® *Powerline* Ballast, no LED; neutral required	1000VA-120VAC	IPX10-10	X, Z
Fluorescent Dimmer for Mark 10® *Powerline* Ballast, no LED; neutral required	600VA-277VAC	IPX06-70	X, Z
Fluorescent Dimmer for Mark 10® *Powerline* Ballast, no LED; neutral required	1200VA-277VAC	IPX12-70	X, Z
Fluorescent Dimmer for Mark 7® 0-10V Ballast with LED locator; neutral required	1200VA @ 120VAC 1500VA @ 277VAC	IP710-DL	X, Z

Fan Speed Controls

Description	Rating	Cat. No.	Color
Quiet Fan Speed Control with LED locator; neutral required	1.5A-120VAC	IPF01-1L	X, Z
Fully Variable Fan Speed Control with LED locator, neutral required	5A-120VAC	IPF05-1L	X, Z

COLOR CHANGE KITS FOR ILLUMATECH CONTROLS

Description	Cat. No.	Color
Color Change Kit with LED locator	IPKIT-00	W, I, A, T, G, E, B, R
Color Change Kit; no LED	IPKIT-0N	W, I, A, T, G, E, B, R
Color Change Kit for Fan Speed Control with LED locator	IPQFK-00	W, I, A, T, G, E, B, R

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or more
IPI06-1L	600W	500W	400W
IPI10-1L	1000W	800W	700W
IPE04-1L	400VA (320W)	350VA (280W)	250VA (200W)
IPM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
IPM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)
IP710-DL	1200VA @ 120VAC 1500VA @ 277VAC	1200VA @ 120VAC 1500VA @ 277VAC	1200VA @ 120VAC 1500VA @ 277VAC
IPX06-10	600VA	500VA	400VA
IPX10-10	1000VA	800VA	700VA
IPX06-70	600VA	600VA	600VA
IPX12-70	1200VA	1200VA	1200VA
IPF01-1L	1.5A	1.5A	1.5A
IPF05-1L	5A	4.1A	3.3A

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

IllumaTech Preset Controls come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B) and Red (-R)

CAUTION ON RETROFITS

When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® Powerline fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

See page 227 for more information.

Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

IllumaTech™ Decora® Rotary

Specifications and Features

- Rotary dial with contemporary Decora styling
- Dimmers provide single pole or 3-way control when used with a 3-way switch
- Dimmers available with or without LED locator
- Quiet 1.5 amp fan speed controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting
- Dual fan speed control and dimmer is ideal for ceiling fans with built-in light fixtures
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Built-in radio/TV interference filter
- Limited Five-Year Warranty



RPI06-1L

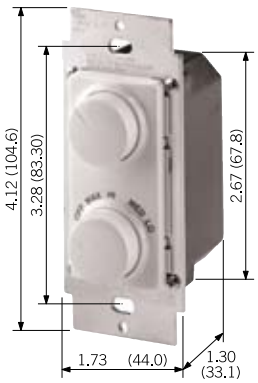
ILLUMATECH DECORA ROTARY CONTROLS

Dimmers

Description	Rating	Cat. No.	Color
Rotary Incandescent Dimmer, single pole or 3-way, with LED locator	600W-120VAC	RPI06-1L	X, Z
Rotary Incandescent Dimmer, single pole or 3-way, no LED	600W-120VAC	RPI06-10	X, Z

Fan Speed Controls

Description	Rating	Cat. No.	Color
Quiet Fan Speed Control, single pole, no LED	1.5A-120VAC	RTF01-10	X, Z
Rotary Dual Quiet Fan Speed Control and Dimmer, single pole, no LED	1.5A Fan Control/ 300W Dimmer	RTD01-10	X, Z



RTD01-10

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or More
RPI06-1L	600W	500W	400W
RPI06-10	600W	500W	400W
RTF01-10	1.5A	1.5A	1.5A
RTD01-10	300W/1.5A	300W/1.5A	300W/1.5A

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR
Controls come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond

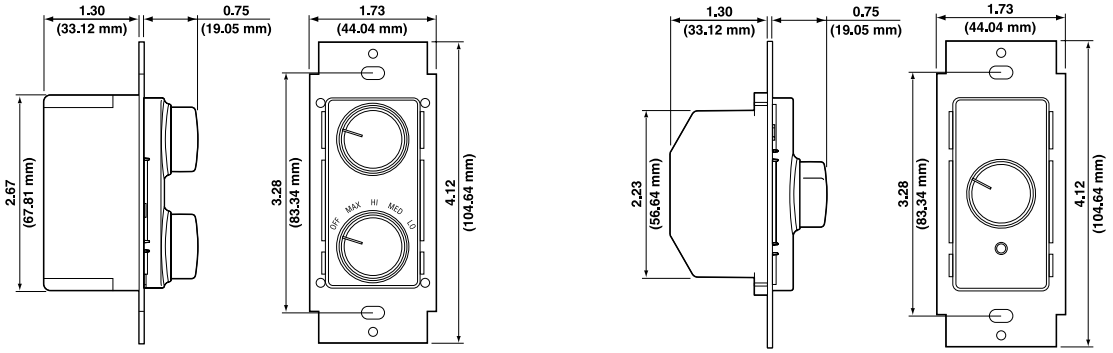
CAUTION ON RETROFITS
When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Related Products
Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.
See page 227 for more information.

IllumaTech™ is a trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

DIMENSIONS

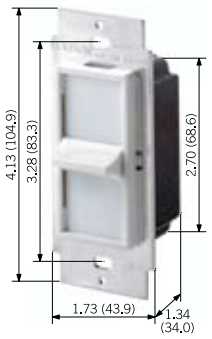


Residential Grade

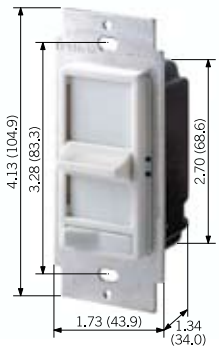
SureSlide™ Decora®

Specifications and Features

- All SureSlide devices have a linear slide control for precise operation
- Preset versions provide single pole or 3-way lighting control when used with a 3-way switch
- Illuminated versions feature optional use Neon locator
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Built-in radio/TV interference filter
- Quiet 1.5 amp fan speed controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5 amp fan speed controls also available
- SureSlide 6668 is specially designed to work with the Philips Dimmable Marathon® Bulbs
- New CFL Dimmer designed specifically for use with Dimmable CFL Bulbs
- Limited Five-Year Warranty



6633-PL



6631-L



6630

SURESLIDE DECORA FULL RANGE SLIDE CONTROLS

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer, single pole slide-to-off with optional use LED locator	600W-120VAC	6631-L	W, I, A, T
Incandescent Dimmer, single pole or 3-way with preset ON/OFF switch with optional use LED locator	600W-120VAC	6633-PL	W, I, A, T, G, E
CFL Dimmer, single pole or 3-way with preset ON/OFF Switch	300W-120VAC CFL 600W-120VAC Incandescent	6673-P	W
Incandescent or Magnetic Low Voltage Dual slide-to-OFF Dimmer: two single pole loads	300W or 300VA per circuit; 600W/600VA total	6628	W, I, A
Magnetic Low Voltage Dimmer, single pole or 3-way with preset ON/OFF switch with optional LED	600VA (450W)-120VAC	6613-PL	W, I, A, T
Electronic Low Voltage Dimmer, single pole or 3-way with preset ON/OFF switch	300W-120VAC	6615-P	W, T
Dimmer for Mark 10® *Powerline*/Philips Marathon ballasts, single pole	500W-120VAC Mark 10 350W-120VAC Philips Dimmable Marathon	6668	W, I

Fan Speed Controls

Description	Rating	Cat. No.	Color
Full-Range Fan Speed Control, single pole	5A-120VAC	6627-1	W, I, B
Full-Range Fan Speed Control, single pole or 3-way with preset ON/OFF	5A-120VAC	6637-P	W, I, A, T
Quiet Step Fan Speed Control, single pole or 3-way with preset ON/OFF	1.5A-120VAC	6629-3	W, I, A, T
Dual Quiet Fan Speed Control and Dimmer	1.5A Fan Control/ 300W Dimmer	6630	W, I, A, T

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or more
6631-L	600W	500W	400W
6633-PL	600W	500W	400W
6628	600W/VA total	500W/VA total	400W/VA total
6613-PL	600VA 450W)	500VA (375W)	400VA (300W)
6615-P	300W	300W	250W
6668 Mark 10	500W	400W	400W
Philips	350W	300W	300W
6627-1	5A	4.1A	3.3A
6637-P	5A	4.1A	3.3A
6629-3	1.5A	1.5A	1.5A
6630	300W/1.5A	300W/1.5A	300W/1.5A
6673-P CFL	300W	300W	300W
Incandescent	600W	500W	400W

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

To order colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Almond (-A), Brown (-B), Light Almond (-T), Grey (-E) and Black (-E)

CAUTION ON RETROFITS

When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and to prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton dimmer.

NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Philips Marathon® is a trademark of Koninklijke Philips Electronics N.V.

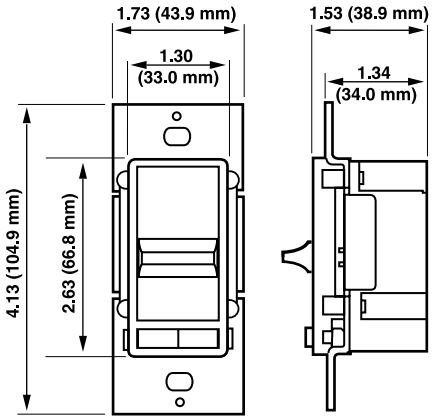
Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

See page 227 for more information.

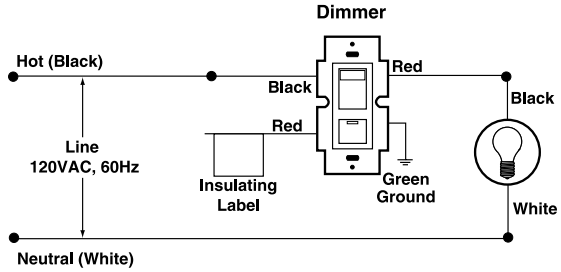
SureSlide™ is a trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

DIMENSIONS

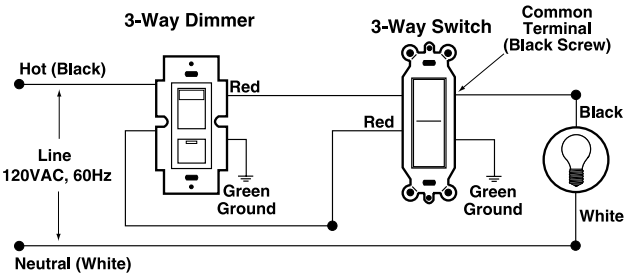


WIRING DIAGRAMS

Single-Location Control Application (Incandescent)



Two-Location Control Application (Incandescent)



NOTE – wiring diagram applicable to IllumaTech™ and SureSlide™.

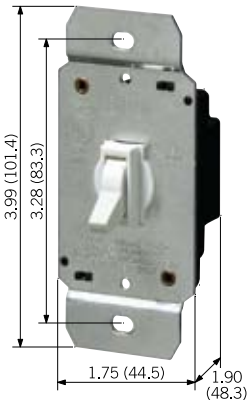
Toggle

Specifications and Features

- Replaces standard toggle switch
- Easy to install shallow design
- Built-in radio/TV interference filter
- Positive ON/OFF action with smooth, full range brightness control
- Limited Five-Year Warranty

TOGGLE DIMMERS

Description	Rating	Cat. No.	Color
Incandescent Dimmer, single pole	600W-120VAC	6641	W, I
Incandescent Dimmer, single pole or 3-way	600W-120VAC	6643	W, I
Incandescent Dimmer, single pole, illuminated	600W-120VAC	6691	Clear
Incandescent Dimmer, single pole or 3-way, illuminated	600W-120VAC	6693	Clear



6641

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

COLOR

To order colors, add suffix to basic Cat. No. White (-W) and Ivory (-I)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.
See page 227 for more information.

Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

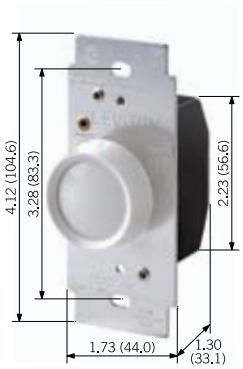
LEVITON

Residential Grade

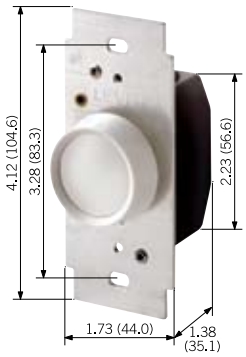
Trimatron™

Specifications and Features

- Select, traditional lighting controls feature an ultra compact design that fits in even the tightest wallboxes
- Built-in radio/TV interference filter
- Quiet 1.5 amp Trimatron Fan Speed Control is ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5 amp fan speed controls also available
- Wire leads provided for fast, easy installation
- Limited Five-Year Warranty



6683



6616-X

TRIMATRON DELUXE FULL RANGE ROTARY CONTROLS

Dimmers

Description	Rating	Cat. No.	Color
Incandescent Dimmer, push ON/push OFF, single pole or 3-way	600W-120VAC	6683	X, Z
Incandescent Dimmer, single pole (Not UL Listed or CSA Certified)	600W-220VAC/ 50 Hz	6602-220	W

Accessories

Description	Cat. No.	Color
Decora Adapter for Rotary Dimmers – plastic, standard size; fits over .406" Dimmer shaft	80400	W, I, A, E, B*
Dimmer Knobs with metal insert (packed 25 per box)	26115	W, I, A, T, E, B*

*80400 and 26115 also available in Brown (no suffix).

Fan Speed Controls

Description	Rating	Cat. No.	Color
Full-Range Fan Speed Control	5A-120VAC	6616-X	W, I
Quiet Fan Speed Control	1.5A-120VAC	6639	X, Z

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or more
6683	600W	500W	400W
6616-X	5A	4.1A	3.3A
6639	1.5A	1.5A	1.5A

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR
To order colors, add suffix to basic Cat. No. White (-W), Ivory (-I), Almond (-A), Light Almond (-T) and Black (-E). *80400 and 26115 also available in Brown (no suffix). Some products come packaged with 3 colors. Products with suffix (-X) include White, Ivory and Almond. Products with suffix (-Z) include White, Ivory and Light Almond.

Related Products

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® *Powerline* fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.
See page 227 for more information.

Trimatron™ is a trademark of Leviton Manufacturing Co., Inc.
Mark 10® *Powerline* and Mark 7® are registered trademarks of Advance Transformer Co.
Quicktronic® is a registered trademark and Helios™ is a trademark of OSRAM Sylvania.

Specialty Controls

Leviton supports every need with a wide range of specialty controls, including four step, lamp cord and table top dimmers. They are robust and easy to install, with features any homeowner will appreciate.

Specifications and Features

4-Level Step Dimmer

- Eliminates guesswork: user selects one of four preset lighting levels (25%, 50%, 75%, 100%)
- Easily installs in place of single pole switch
- LED indicates selected level of brightness
- Streamlined, popular Decora® styling complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Limited Five-Year Warranty

Lamp Cord and Dimmer Sockets

- Compact dimmer socket is interchangeable with standard lamp holder for dimmer conversion (eliminates need for expensive 3-way bulbs)
- Full-Range Feed-Through Lamp Cord Dimmer provides full-range dimming with positive ON/OFF action
- Limited Five-Year Warranty

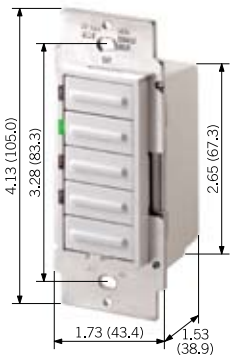


TBI03

SPECIALTY DEVICES

Description	Cat. No.	Rating	Color
Decora 4-Level Step Dimmer Incandescent only	6161	500W-120VAC	W, I, A
HI-LO Feed-Through Lamp Cord Dimmer	1420	200W-120VAC	W*
Tabletop Dimmer for plug-in lamps	TBI03	300W-120VAC	W, E
Full-Range Feed-Through Lamp Cord Dimmer (Not UL listed or CDA certified)	6250-3	200W-120VAC	I*
Full-Range Compact Dimmer Socket (1/8 I.P.S. thread and set screw)	6151	150W-120VAC	

* Basic Cat. No. denotes Brown



6161

Maximum Load for Multi-Gang Applications

In multi-gang applications derating is required in accordance with the following charts. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

Cat. No.	Single	2-Gang	3-Gang or More
6161	500W	400W	300W

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-3810: 6151; File #E-7458: 1420; File #E-7442: 6250-3)
- CSA Certified (File #LR-1863: 6151; File #LR-3413: 1420)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

COLOR

To order colors, add suffix to basic Cat. No.
White (-W), Ivory (-I), Almond (-A) and Black (-E)



Locking Blade Devices

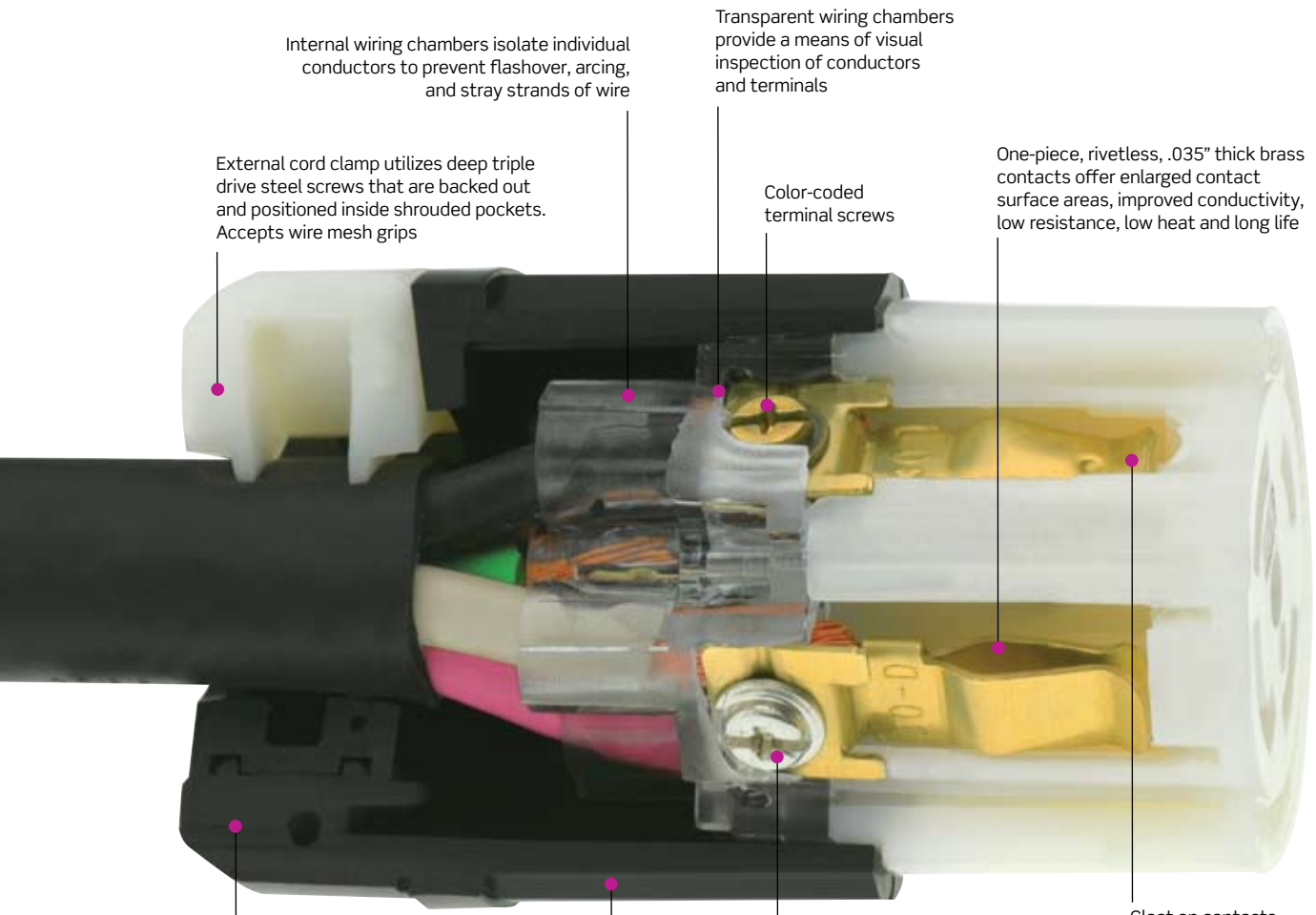
INDEX

Industrial Grade
Black & White® Locking Devices 271
Watertight, Dust-tight &
Corrosion-Resistant Devices 299
Combination Devices 307

Industrial Grade

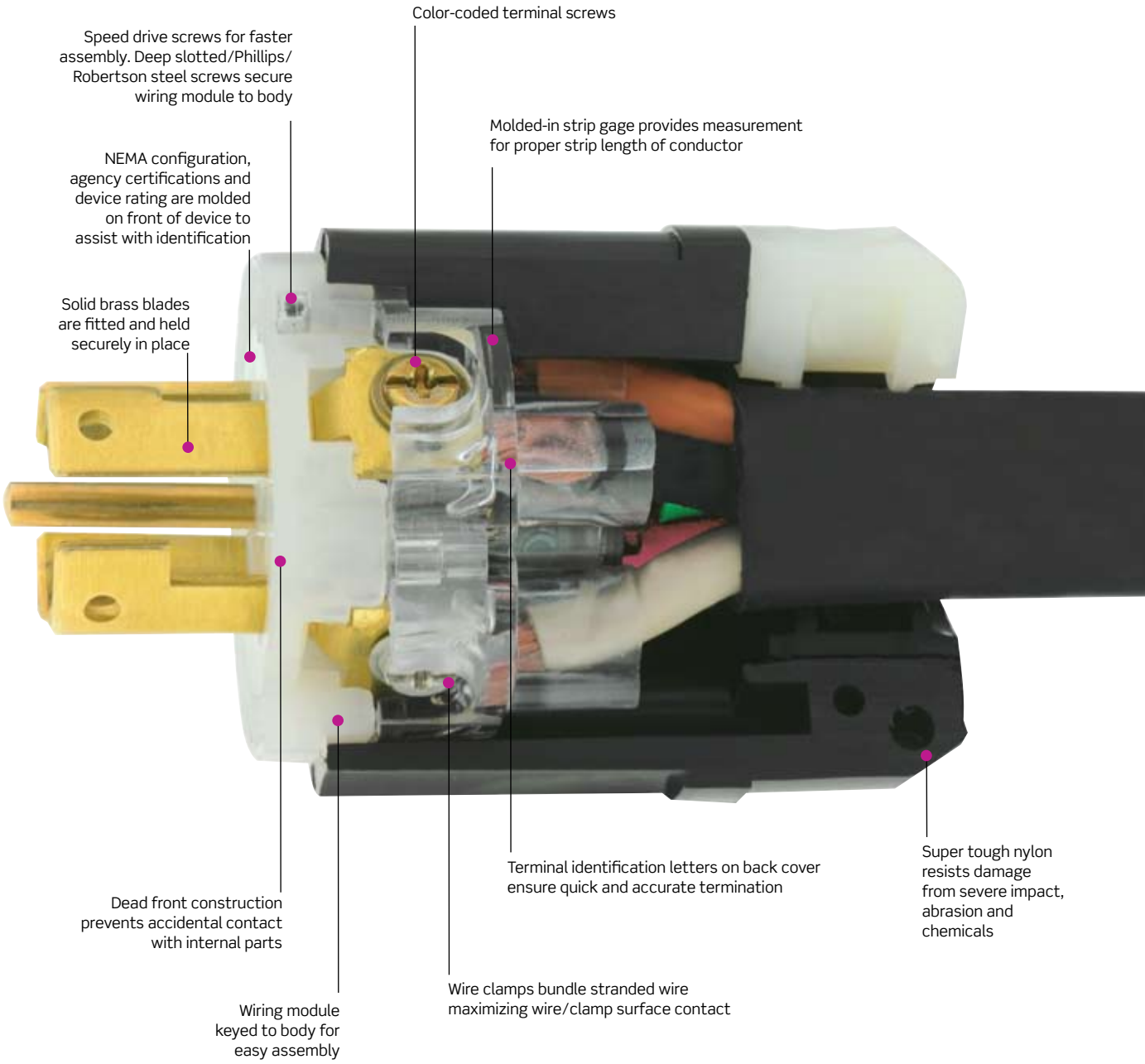
Locking Devices for the Entire Spectrum of Industrial Applications

Leviton's Industrial Grade Locking Devices are built to provide unparalleled quality and superior performance in the most severe industrial settings. Leviton combines the best materials available with superior production standards to produce a broad selection of Locking Devices of unmatched flexibility and dependability.



TESTING AND CODE COMPLIANCE

- UL 498 Listed
- Federal Specification WC-596 Listed
- CSA Specification C22.2 No. 42 Certified





Shrouded pockets in cord clamp prevents slippage of screwdriver blade when tightening clamp screws.



Wire clamps move within individual chambers to provide positive clamp lock without cutting wire strands.



Captive terminal screws eliminate nuisance dropping and searching for missing screws.

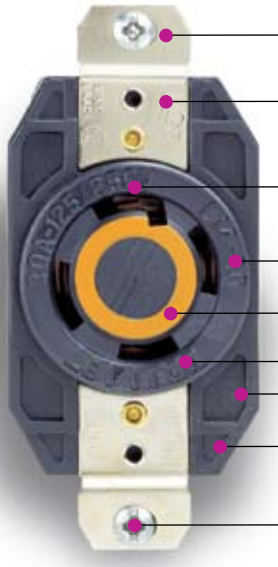


Deep-funnelled, large wire wells guide conductors into termination position.

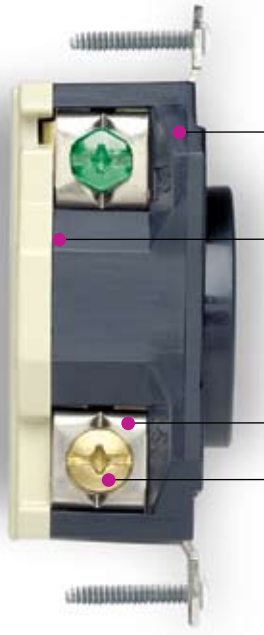
V-O-MAX®

Locking Flush Receptacles

Engineered for maximum performance with a UL 94 V-0 Flammability Rating.



- Extra thick .050" nickel-plated brass mounting strap
- Stamped-in agency certifications
- Amperage & voltage rating
- NEMA line number
- Color-coded voltage rating
- Manufacturer
- Stability ribs
- Uni-body face
- Triple combination head mounting screws



- Molded-in terminal identification letters
- Seam between front cover and back cover is far from contact working area
- External clamp accepts #8 to #14 solid or stranded conductors for back and side wiring.
- Oversized #10 brass Phillips/Robertson/ Straight Slot drive terminal screw

V-O-MAX®

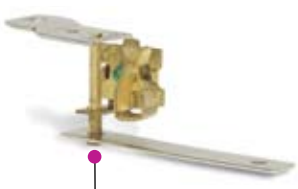
FLUSH RECEPTACLES–UL V-0 RATING

Color-Coded Voltage Ratings			
125V	250V	277V AC	
125/250V	3ø250V	3ø480V	600V

One-piece ,040" thick brass, high-copper content contacts with nickel-plated clamp type terminals

Contacts deeply seated in thick walled faced





Mechanically-secured all-brass ground path

Industrial Grade Black & White® Locking Blade Devices

Specifications and Features

- Backed by a Lifetime Warranty

Locking Plugs and Connectors

- Super tough nylon body resists damage from severe impact, abrasion and chemicals
- Ergonomic, fluted body design with radial grip ridge is ideal for gripping, turning and pulling
- Cord clamp does not have to be disassembled from body for wiring—accepts wire mesh connection strain reliefs
- One-piece, rivetless .035" thick brass connector contacts and solid brass plug blades provide maximum conductivity and long service life
- Power Indication™ 15A Locking Plugs & Connectors equipped with green neon bulb rated at 30,000 hours (24/7 for 3.5 years)
- Power Indication™ 20A and 30A Locking Plugs & Connectors equipped with green LED rated at 100,000 hours (24/7 for 10 years)

Flanged Inlets and Outlets

- Rugged nylon flange fits flush and won't crack in high abuse applications
- Individual deep-funneled chamfered wire wells guide each wire into rectangular chambers
- Wire clamps bundle stranded wire without cutting wire strands

Locking Flush Receptacles

- Rugged nylon body and cover for outstanding resistance to impact and harsh chemicals
- Double-wipe phosphor-bronze power contacts

V-O-Max® Locking Flush Receptacles

- UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacles available today
- Extra-thick .050" nickel-plated brass mounting strap for high-abuse applications
- Designed for maximum durability: One-piece .040" brass, high copper-content contacts with nickel plated clamp-type terminals
- Color-coded voltage rating on face for easy identification

BLACK & WHITE 15 AMP

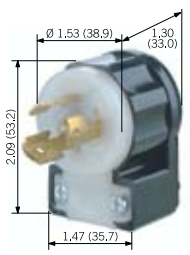
2-Pole, 3-Wire Grounding UL CSA

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-15P	 L5-15R	 L6-15P	 L6-15R	 L7-15P	 L7-15R
Rating	**15A–125V**		**15A–250V**		**15A–277V AC**	
Black & White Nylon Body	4720-C	4729-C	4570-C	4579-C	4770-C	4779-C
Power Indication™ Black & White Nylon Body	4720-PLC	4729-PLC	4570-PLC	4579-PLC	4770-PLC	4779-PLC
Angle Locking Black & White Nylon Body	4720-CA	—	4570-CA	—	4770-CA	—
All Black Nylon Body	4720-CB	4729-CB	—	4579-B	4770-B	4779-B
Yellow Nylon Body	4720-CY	4729-CY	4570-CY	4579-CY	4770-CY	4779-CY

Continued On Next Page >



4720-C



4720-CA

black & white®

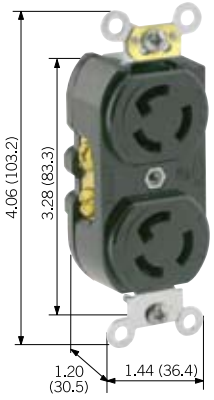
Industrial Grade

Continued from previous page >



4716-C

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	L5-15P	L5-15R	L6-15P	L6-15R	L7-15P	L7-15R
Rating	**15A–125V**		**15A–250V**		**15A–277V AC**	
Flanged Device	4716-C	4715-C	4586-C	4585-C	4786-C	4785-C



4700

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	L5-15R	L6-15R	L7-15R
Rating	**15A–125V**	**15A–250V**	**15A–277V AC**
Duplex Flush Receptacle, Self Grounding, Back and Side Wired	4700	4550	4750
Duplex Flush Receptacle, Isolated Ground, Back and Side Wired, 6" Green Ground Lead	4700-IG	4550-IG	4570-IG
Duplex Flush Receptacle w/2 Hot Feeds and 1 Neutral Return, Self Grounding, Back and Side Wired	4702-IIR	—	—
Duplex Flush Receptacle w/Split Feed – 2 Hot Feeds and 2 Neutral Returns, Self Grounding, Back and Side Wired	4703-IIR	—	—
Single Flush Receptacle	4710	4560	4760
Single Flush Receptacle, w/Short Strap	4710-SS	—	—
Single Flush Receptacle, Isolated Ground	4710-IG	4560-IG	4760-IG

2-Pole, 2-Wire Non-Grounding



7545-C

Description	Cat. No. Plug	Cat. No. Connector
NEMA	L1-15P	L1-15R
Rating	**15A–125V**	
Black and White Nylon Body	7545-C	7506-C
Flanged Outlet	—	7526-C

Description	Cat. No.
NEMA	 L1-15R
Rating	**15A–125V**
Duplex Flush Receptacle	7540
Single Flush Receptacle	7535

WALLPLATES AND COVERS

302 Stainless Steel Single Receptacle	302 Stainless Steel Duplex Receptacle	Weather-Resistant Flip Lid Cover For Inlets and Outlets*
1.41" Dia. Opening		1.72" Dia. Opening IP64 Rated — Includes Gasket and Screws
 84004-40	 84003-40	 WP1

*For Use with 15A Locking Devices.



Related Products

For more information on Weather-Resistant Boots for 15A Locking Plugs and Connectors **see page 288.**
For a complete listing of Wallplates and Covers **see page 707.**

TESTING AND CODE COMPLIANCE

- Meet NEMA WD-6, ANSI C-73 requirements
- UL Fed Spec Listed WC-596 (File #E-13393 Plugs, Connectors, Flanged Inlets) (File #E-13399 Receptacles and Flanged Outlets)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

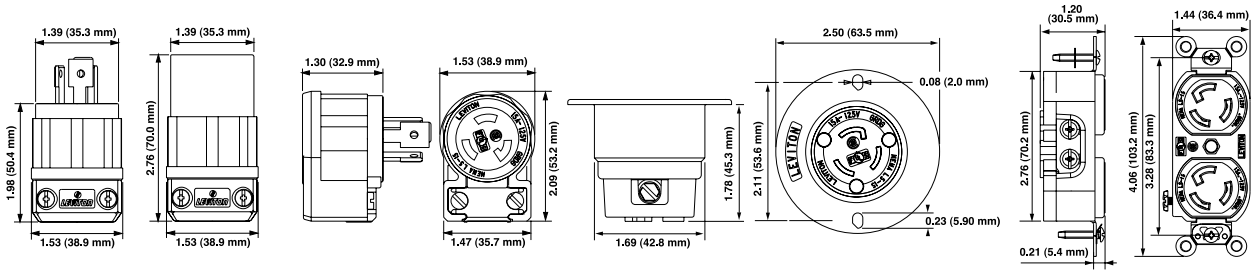
DEVICE TYPE

15A Locking - 2 and 3 Wire Plugs and Connectors

CORD GRIP RANGE

(.240"–.700") #18-#10 AWG

DIMENSIONS



Plug | Connector | Angle Plug | Inlets and Outlets | Duplex Receptacle

BLACK AND WHITE® 20 AMP

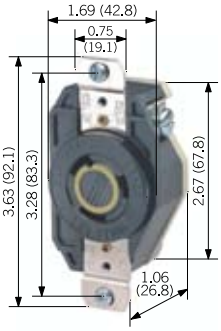
2-Pole, 3-Wire Grounding



2311



2313



2310

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-20P	 L5-20R	 L6-20P	 L6-20R	 L7-20P	 L7-20R
Rating	**20A–125V**		**20A–250V**		**20A–277V AC**	
Black & White Nylon Body	2311	2313	2321	2323	2331	—
Power Indication™ Black & White Nylon Body	2311-PLC	2313-PLC	2321-PLC	2323-PLC	2331-PLC	2333-PLC
All Black Nylon Body	2311-B	2313-B	—	2323-B	—	2333
Power Indication All Black Nylon Body	2311-PLB	2313-PLB	—	—	—	—
Yellow Nylon Body	2311-CY	2313-CY	2321-CY	2323-CY	—	—

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L5-20P	 L6-20R	 L6-20P	 L7-20R	 L7-20P	 L7-20R
Rating	**20A–125V**		**20A–250V**		**20A–277V AC**	
Flanged Device	2315	2316	2325	2326	2335	2336

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L5-20R	 L6-20R	 L7-20R
Rating	**20A–125V**	**20A–250V**	**20A–277V AC**
V-O-MAX® Single Flush Receptacle	2310	2320	2330
V-O-MAX Single Flush Receptacle, Isolated Ground	2310-IG	2320-IG	2330-IG

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	L24-20P	L24-20R	L8-20P	L8-20R	L9-20P	L9-20R
Rating	**20A–347V AC**		**20A–480V AC**		**20A–600V AC**	
Black & White Nylon Body	3721	3723	2341	2343	2351	2353



2341

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	L24-20P	L24-20R	L8-20P	L8-20R	L9-20P	L9-20R
Rating	**20A–347V AC**		**20A–480V AC**		**20A–600V AC**	
Locking Flanged	3755	3756	2345	2346	2355	2356



2343

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	L24-20R	L8-20R	L9-20R
Rating	**20A–347V AC**	**20A–480V AC**	**20A–600V AC**
V-O-MAX® Single Flush Receptacle	3720	2340	2350
V-O-MAX Single Flush Receptacle, Isolated Ground	—	—	2350-IG



2340

2-Pole, 2-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Receptacle
NEMA	L2-20P	L2-20R
Rating	**20A–250V**	**20A–250V**
Black & White Nylon Body	7102-C	7101-C
Non-Polarized	7102-NP	—

Description	Cat. No. Plug	Cat. No. Receptacle
NEMA	L2-20P	L2-20R
Rating	**20A–250V**	**20A–250V**
Single Flush Receptacle	—	7210-B


7102-C

LEVITON

Industrial Grade



2411



2413



2431



2433

3-Pole, 3-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L10-20P	 L10-20R	 L11-20P	 L11-20R	 L12-20P	 L12-20R
Rating	**20A-125/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**	
Black & White Nylon Body	2361	2363	2371	2373	2381	2383

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L10-20P	 L10-20R	 L11-20P	 L11-20R	 L12-20P	 L12-20R
Rating	**20A-125/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**	
Flanged Device	2365	2366	2375	2376	2385	2386

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L10-20R	 L11-20R	 L12-20R
Rating	**20A-125/250V**	**20A-3Ø 250V**	**20A-3Ø 480V**
Single Flush Receptacle	2360	2380	2380

3-Pole, 4-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L14-20P	 L14-20R	 L15-20P	 L15-20R	 L16-20P	 L16-20R
Rating	**20A-125/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**	
Black & White Nylon Body	2411	2413	2421	2423	2431	2433

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L14-20P	 L14-20R	 L15-20P	 L15-20R	 L16-20P	 L16-20R
Rating	**20A-125/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**	
Flanged Device	2415	2416	2425	2426	2435	2436
	Cat. No.		**Cat. No.**		**Cat. No.**	
NEMA		 L14-20R		 L15-20R		 L16-20R
Rating		**125/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**
V-O-MAX® Single Flush Receptacle		2410		2420		2430
V-O-MAX Single Flush Receptacle, Isolated Ground		2410-IG		2420-IG		



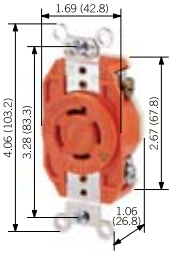
2416



2435

4-Pole, 4-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L18-20P	 L18-20R	 L19-20P	 L19-20R	 L20-20P	 L20-20R
Rating	**20A-3ØY 120/208V**		**20A-3ØY 277/480V**		**20A-3ØY 347/600V**	
Black & White Nylon Body	2441	2443	2451	2453	2461	2463



2410-IG

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L18-20P	 L18-20R	 L19-20P	 L19-20R	 L20-20P	 L20-20R
Rating	**20A-3ØY 120/208V**		**20A-3ØY 277/480V**		**20A-3ØY 347/600V**	
Flanged Device	2445	2446	2455	2456	2465	2466

Related Products
For a complete listing of Wallplates and Covers **see page 707.**

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L18-20R	 L19-20R	 L20-20R
Rating	**20A-3ØY 120/208V**	**20A-3ØY 277/480V**	**20A-3ØY 347/600V**
Single Flush Receptacle	2440	2450	2460

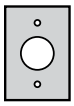
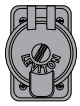
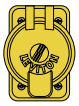
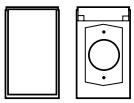
4-Pole, 5-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L21-20P	 L21-20R	 L22-20P	 L22-20R	 L23-20P	 L23-20R
Rating	**20A-3Ø 120/208V**	**20A-3ØY 120/208V**	**20A-3ØY 277/480V**	**20A-3ØY 277/480V**	**20A-3ØY 347/600V**	**20A-3ØY 347/600V**
Black & White Nylon Body	2511	2513	2521	2523	2531	2533

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L21-20P	 L21-20R	 L22-20P	 L22-20R	 L23-20P	 L23-20R
Rating	**20A-3ØY 120/208V**	**20A-3ØY 120/208V**	**20A-3ØY 277/480V**	**20A-3ØY 277/480V**	**20A-3ØY 347/600V**	**20A-3ØY 347/600V**
Flanged Device	2515	2516	2525	2526	2545	2546

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L18-20R	 L19-20R	 L20-20R
Rating	**20A-3ØY 120/208V**	**20A-3ØY 277/480V**	**20A-3ØY 347/600V**
V-O-MAX® Single Flush Receptacle	2510	2520	2530
V-O-MAX Single Flush Receptacle, Isolated Ground	2510-IG		2530-IG

WALLPLATES AND COVERS

302 Stainless Steel Single Receptacle	Weather-Resistant Flip Lid Cover*	Weather-Resistant Flip Lid Cover*	Weather-Resistant Thermoplastic Cover****
1.60" Dia. Opening	2.24" Dia. Opening	1.72" Dia. Opening	Self-Closing Lid
			
84020-40	**WP2	***7420-CR ***7420-CRG (Grey)	4980-GY

*IP64 Rated. Includes Gasket and Screws
**For use with 20 + 30A 3,4 and 5 Wire Locking Flanged Inlets and Outlets.
***For use with 20A + 30A Single-Locking Receptacles.
****For receptacles. Includes Gasket and Screws.

Related Products

For more information on Weather-Resistant Boots for Locking Plugs and Connectors see page 288.
For a complete listing of Wallplates and Covers see page 707.

TESTING AND CODE COMPLIANCE

- Meet NEMA WD-6, ANSI C-73 requirements
- UL Fed Spec Listed WC-596 (File #E-13393 Plugs, Connectors, Flanged Inlets) (File #E-13399 Receptacles and Flanged Outlets)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

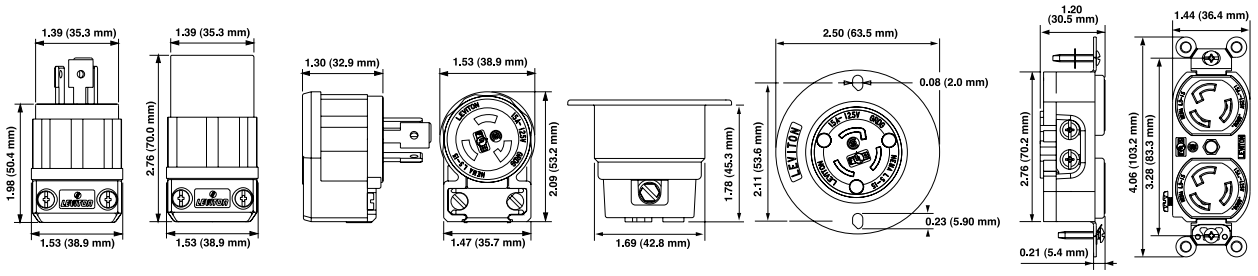
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

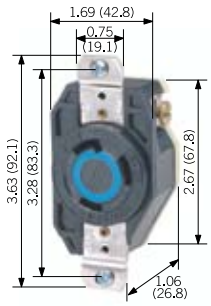
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
20A Locking 2 and 3-Wire	(.385"–.780") #16–#10 AWG
20A Locking 4 and 5-Wire	(.595"–895") #14–#10 AWG

DIMENSIONS



Plug Connector Angle Plug Inlets and Outlets Receptacle



2620



2621-B



2625F

BLACK & WHITE® 30AMP

2-Pole, 3-Wire Grounding

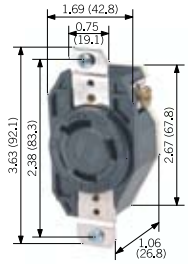
Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-30P	 L5-30R	 L6-30P	 L6-30R	 L7-30P	 L7-30R
Rating	**30A–125V**		**30A–250V**		**30A–277V AC**	
Black & White Nylon Body	2611	2613	2621	C2623	2631	2633
Power Indication™ Black & White Nylon Body	2611-PLC	2613-PLC	2621-PLC	C2623-PLC	2631-PLC	2633-PLC
All Black Nylon Body	2611-B	2613-B	2621-B	C2623-B	—	—
Power Indication All Black Nylon Body	2611-PLB	2613-PLB	—	—	—	—
Yellow Nylon Body	2611-CY	2613-CY	2621-CY	C2623-CY	—	—

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L5-30P	 L5-30R	 L6-30P	 L6-30R	 L7-30P	 L7-30R
Rating	**30A–125V**		**30A–250V**		**30A–277V AC**	
Flanged Device	2615	2616	2625F	2626F	2635	2636

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L5-30R	 L6-30R	 L7-30R
Rating	**30A–125V**	**30A–250V**	**30A–277V AC**
V-O-MAX® Single Flush Receptacle	2610	2620	2630
V-O-MAX Single Flush Receptacle, Isolated Ground	2610-IG	2620-IG	2630-IG
All Black	2610-B	2620-B	

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	L8-30P	L8-30R	L9-30P	L9-30R
Rating	30A–480V AC		30A–600V AC	
Black & White Nylon Body	2641	2643	C2651	C2653



2650

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	L8-30P	L8-30R	L9-30P	L9-30R
Rating	30A–480V AC		30A–600V AC	
Flanged Device	2645	2646	2655	2656



2656

		Cat. No.		Cat. No.
NEMA		L8-30R		L9-30R
Rating		30A–480V AC		30A–600V AC
V-O-MAX® Receptacle		2640		2650

3-Pole, 3-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	L10-30P	L10-30R	L11-30P	L11-30R
Rating	30A- 125/250V		30A- 3Ø 250V	
Black & White Nylon Body	2661	2663	2671	2673

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	L10-30P	L10-30R	L11-30P	L11-30R
Rating	30A- 125/250V		30A- 3Ø 250V	
Flanged Device	2665	2666	2675	2676

Continued On Next Page >

Continued From Previous Page ›

Description	Cat. No.	Cat. No.
NEMA	 L10-30R	 L11-30R
Rating	**30A-125/250V**	**30A-3Ø 250V**
V-O-MAX® Single Flush Receptacle	2660	—
Single Flush Receptacle	—	2670

3-Pole, 3-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L12-30P	 L12-30R	 L13-30P	 L13-30R
Rating	**30A-3Ø 480V**		**30A-3Ø 600V**	
Black & White Nylon Body	2681	2683	2691	2693

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L12-30P	 L12-30R	 L13-30P	 L13-30R
Rating	**30A-3Ø 480V**		**30A-3Ø 600V**	
Flanged Device	2685	2686	2691	2693



2711

Description	Cat. No.	Cat. No.
NEMA	 L12-30R	 L13-30R
Rating	**30A-3Ø 480V**	**30A-3Ø 600V**
Single Flush Receptacle	2680	2690

3-Pole, 4-Wire Grounding

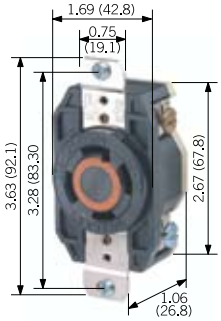
Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L14-30P	 L14-30R	 L15-30P	 L15-30R
Rating	**30A-125/250V**		**30A-3Ø 250V**	
Black & White Nylon Body	2711	2713	2721	2723
All Black	2711-B	2713-B	2721-B	2723-B
Yellow Nylon Body	—	2713-CY	—	—



2713

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L14-30P	 L14-30R	 L15-30P	 L15-30R
Rating	**30A–125/250V**		**30A–3Ø 250V**	
Flanged Device	2715	2716	2725	2726

Description	Cat. No.	Cat. No.
NEMA	 L14-30R	 L15-30R
Rating	**30A–125/250V**	**30A–3Ø 250V**
V-O-MAX® Single Flush Receptacle	2710	2720
V-O-MAX Single Flush Receptacle, Isolated Ground	2710-IG	2720-IG
All Black	2710-B	—



2710



2715

3-Pole, 4-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L16-30P	 L16-30R	 L17-30P	 L17-30R
Rating	**30A-3Ø 480V**		**30A-3Ø 600V**	
Black & White Nylon Body	2731	2733	2741	2743
All Black	2731-B	2733-B	—	—

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L16-30P	 L16-30R	 L17-30P	 L17-30R
Rating	**30A-3Ø 480V**		**30A-3Ø 600V**	
Flanged Device	2735	2736	2745	2746

Continued On Next Page >

Continued From Previous Page ›

Description	Cat. No.	Cat. No.
NEMA	 L16-30R	 L17-30R
Rating	**30A–3Ø 480V**	**30A–3Ø 600V**
V-O-MAX® Single Flush Receptacle	2730	2740
V-O-MAX Single Flush Receptacle, Isolated Ground	2730-IG	2740-IG
All Black	2730-B	

4-Pole, 4-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L18-30P	 L18-30R	 L19-30P	 L19-30R	 L20-30P	 L20-30R
Rating	**30A– 3ØY 120/208V**		**30A– 3ØY 277/480V**		**30A– 3ØY 347/600**	
Black & White Nylon Body	2751	2753	2761	2763	2771	2773

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L18-30P	 L18-30R	 L19-30P	 L19-30R	 L20-30P	 L20-30R
Rating	**30A– 3ØY 120/208V**		**30A– 3ØY 277/480V**		**30A– 3ØY 347/600**	
Flanged Device	2755	2756	2765	2766	2775	2776



2811

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	 L18-30R	 L19-30R	 L20-30R
Rating	**30A– 3ØY 120/208V**	**30A– 3ØY 277/480V**	**30A– 3ØY 347/600**
Single Flush Receptacle	2750	2760	2770

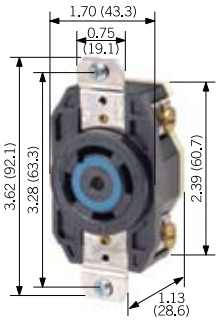
4-Pole, 5-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L21-30P	 L21-30R	 L22-30P	 L22-30R	 L23-30P	 L23-30R
Rating	**30A–3ØY 120/208V**		**30A–3ØY 277/480V**		**30A–3ØY 347/600V**	
Black & White Nylon Body	2811	2813	2821	2823	2831	2833



2813

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	L21-30P	L21-30R	L22-30P	L22-30R	L23-30P	L23-30R
Rating	**30A-3ØY 120/208V**		**30A-3ØY 277/480V**		**30A-3ØY 347/600V**	
Flanged Device	2815	2816	2825	2826	2835	2836



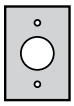
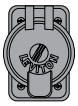
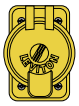
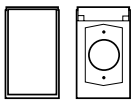
2810

Description	Cat. No.	Cat. No.	Cat. No.
NEMA	L21-30R	L22-30R	L23-30R
Rating	**30A-3ØY 120/208V**	**30A-3ØY 277/480V**	**30A-3ØY 347/600V**
V-O-MAX® Single Flush Receptacle	2810	—	—
V-O-MAX Single Flush Receptacle, Isolated Ground	2810-IG	—	—
Single Flush Receptacle	—	2820	2830



2816

WALLPLATES AND COVERS

302 Stainless Steel Single Receptacle	Weather-Resistant Flip Lid Cover*	Weather-Resistant Flip Lid Cover*	Weather-Resistant Thermoplastic Cover****
1.60" Dia. Opening	2.24" Dia. Opening	1.72" Dia. Opening	Self-Closing Lid
			
84020-40	**WP2	***7420-CR ***7420-CRG (Grey)	4980-GY

*IP64 Rated. Includes Gasket and Screws
**For use with 20 + 30A 3,4 and 5 Wire Locking Flanged Inlets and Outlets.
***For use with 20A + 30A Single-Locking Receptacles.
****For receptacles. Includes Gasket and Screws.

Related Products

For more information on Weather-Resistant Boots for 20A and 30A Locking Plugs and Connectors see page 288. For a complete listing of Wallplates and Covers see page 707.

TESTING AND CODE COMPLIANCE

- Meet NEMA WD - 6, ANSI C-73 requirements
- UL Fed Spec Listed WC-596 (File #E-13393 Plugs, Connectors, Flanged Inlets) (File #E-13399 Receptacles and Flanged Outlets)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
30A Locking 3-Wire	(.385"-.860") #16-#8 AWG
30A Locking 4 and 5-Wire	(.595"-1.150") #14-#8 AWG



6370CR

(Front and Back)



6377CR

50 AMP NON-NEMA CORROSION RESISTANT

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA	 SS1	 SS1
Rating	**50A–125V**	
Yellow Nylon Body and Cord Clamp	6361CR	6360CR
Locking Flanged Inlet	6377CR	

Description	Cat. No.
Non-NEMA	 SS1
Rating	**50A–125V**
Single Flush Receptacle	6370CR

NOTE: Cord Clamp Range:.650"–1.125" #10–#4 AWG.

3-Pole, 4-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA	 SS2	 SS2
Rating	**50A–125/250V**	
Yellow Nylon Body and Cord Clamp	6365CR	6364CR
Locking Flanged Inlet	6375CR	

Description	Cat. No.
NON-NEMA	 SS2
Rating	**50A–125/250V**
Single Flush Receptacle	6369CR

NOTE: Cord Clamp Range: .650"–1.125" #10–#4 AWG.

Related Products

For more information on Weather-Resistant Boots for 50A Locking Plugs and Connectors **see page 288.**
For a complete listing of Wallplates and Covers **see page 707.**

TESTING AND CODE COMPLIANCE

- Meet NEMA WD - 6, ANSI C-73 requirements
- UL Listed (File #E-111198 Plugs, Connectors, Flanged Inlets) (File #E-57672 Receptacles and Flanged Outlets)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 75°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

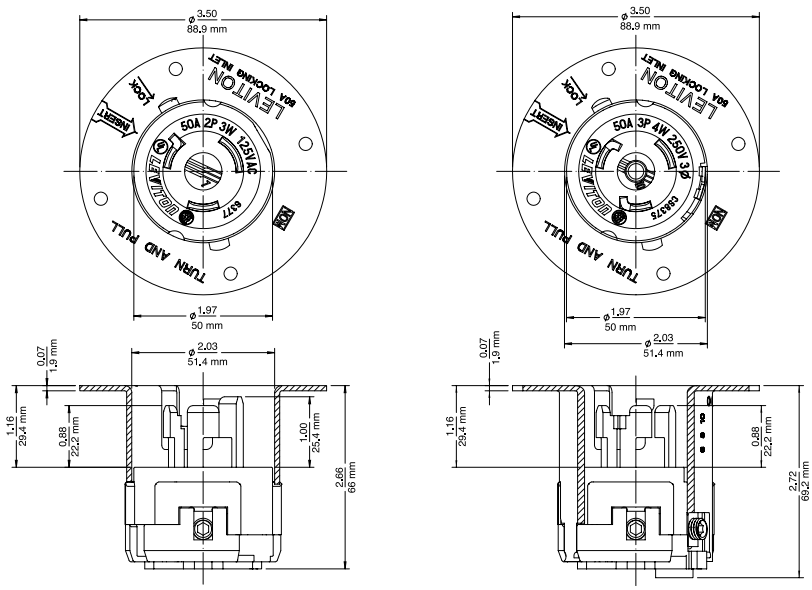
DEVICE TYPE

50A Locking 3-Wire

CORD GRIP RANGE

(.650"-1.125") #10-#4 AWG

DIMENSIONS



6377CR

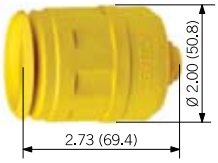
LEVITON

Industrial Grade

Locking Plug and Connector Boots—Thermoplastic Elastomer Construction

Specifications and Features

- Features a triple seal action to protect straight blade and locking plugs and connectors against dirt and moisture in harsh applications
- Plug and connector boots available in black and high-visibility yellow
- Fluted surface and grip-ring design provide a non-slip grip even in wet conditions
- Backed by a Limited Lifetime Warranty



6017-LY



6032



6033



6034

BOOTS FOR ALL 15 AMP INDUSTRIAL LOCKING PLUGS AND CONNECTORS

Description	Cat. No.
Plug Boot, Black	6017-L
Plug Boot, High-Visibility Yellow	6017-LY
Connector Boot, Black	6018-L
Connector Boot, High Visibility Yellow	6018-LY

BOOTS FOR 3-WIRE 20 AMP & 30 AMP INDUSTRIAL LOCKING PLUGS AND CONNECTORS

Description	Cat. No.
3-Wire Plug Boot, Black	6031
3-Wire Plug Boot, High-Visibility Yellow	6031-Y
3-Wire Connector Boot, Black	6032
3-Wire Connector Boot, High Visibility Yellow	6032-Y

BOOTS FOR 4 AND 5-WIRE 20 AMP & 30 AMP INDUSTRIAL LOCKING PLUGS AND CONNECTORS

Description	Cat. No.
4 & 5-Wire Plug Boot, Black	6033
4 & 5-Wire Plug Boot, High-Visibility Yellow	6033-Y
4 & 5-Wire Connector Boot, Black	6034
4 & 5-Wire Connector Boot, High Visibility Yellow	6034-Y

BOOTS AND COVERS FOR 50 AMP DEVICES

Description	Cat. No.
Plug Boot, Black IP55 Rated	7715CR
Plug Boot, High Visibility Yellow IP55 Rated	7715CRY
Connector Boot, Black IP55 Rated	7717CR
Connector Boot, High Visibility Yellow IP55 Rated	7717CRY
Weather-Resistant Receptacle Flip Lid Cover, IP64 rated, Yellow Lexan	7788CR
Cast Aluminum Grey Receptacle Flip Lid Cover, IP64 rated	7770


7715CR


7717CR

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated HB
Operating Temperature: -40°C to 90°C

Black & White® Non-NEMA Locking Devices

Specifications and Features

- Backed by a Lifetime Warranty

Locking Plugs and Connectors

- Super tough Nylon body resists damage from severe impact, abrasion and chemicals
- Ergonomic, fluted body design with radial grip ridge is ideal for gripping, turning and pulling
- Cord clamp does not have to be disassembled from body for wiring—accepts all wire mesh connection strain reliefs
- One-piece, rivetless .035" thick brass connector contacts and solid brass plug blades provide maximum conductivity and long service life
- Power Indication™ 15A Locking Plugs & Connectors equipped with green neon bulb rated at 30,000 hours (24/7) for 3.5 years
- 50 Amp devices nylon housing provides excellent impact and chemical resistance

Flanged Inlets and Outlets

- Rugged nylon flange fits flush and won't crack in high abuse applications
- Individual deep-funneled chamfered wire wells guide each wire into rectangular chambers
- Wire clamps provide positive crimp lock without cutting wire strands
- 50 Amp devices have clamp-type wire terminals and their heavy duty nylon construction provides excellent impact and chemical resistance

Locking Flush Receptacles

- Rugged nylon body and cover for outstanding resistance to impact and harsh chemicals
- Double-wipe phosphor-bronze power contacts
- 50 Amp devices have clamp-type wire terminals and their heavy duty nylon construction provides excellent impact and chemical resistance

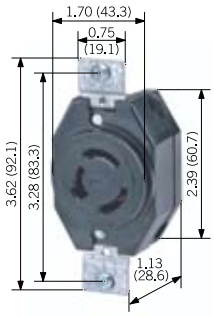
BLACK & WHITE 15 AND 20 AMP NON-NEMA

3-Pole, 3-Wire Non-Grounding† UL CSA

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**15A/125V/10A-250V**	
Locking Plug	7567-C	
Locking Connector		7565-C
Locking Flanged Inlet	7556*	
Locking Flanged Outlet		7557
Single Flush Receptacle		7582*

†Non-NEMA grounding devices are no longer UL Listed—for replacement use only.
*Add (-G) for grounding devices.
NOTE: Cord Clamp Range: .240"–.700" #18–#10 AWG.

4-Pole, 5-Wire Non-Grounding††



7310-B

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**20A/250 AC/DC/10A 600VAC**	
Locking Plug, All Black Nylon Body	3521-C	
Locking Connector, All Black Nylon Body		3253-C
Locking Flanged Inlet	3524-C	
Locking Flanged Outlet		3525-C
Single Flush Receptacle		3520

NOTE: Cord Clamp Range: .240"–.700" #18–#10 AWG.

3-Pole, 3-Wire Non-Grounding††



7314-C

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**20A 125V/250V**	
Locking Plug	9965-C*	
Locking Connector		7314-C*
Locking Flanged Inlet	3325-C*	
Locking Flanged Outlet		3326-C
Single Flush Receptacle - Black		7310-B*

4-Pole, 4-Wire Non-Grounding††

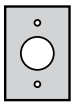
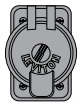
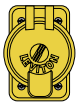
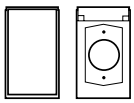


9965-C

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**20A 3ØY 120V/208V**	
Locking Plug	7411-C*	
Locking Connector		7413-C*
Locking Flanged Inlet	7408-C*	
Locking Flanged Outlet		7409-C*
Single Flush Receptacle		7410-B*

††Non-NEMA grounding devices are no longer UL Listed—for replacement use only.
*Add (-G) for grounding devices.

WALLPLATES AND COVERS

302 Stainless Steel Single Receptacle	Weather-Resistant Flip Lid Cover*	Weather-Resistant Flip Lid Cover*	Weather-Resistant Thermoplastic Cover****
1.60" Dia. Opening	2.24" Dia. Opening	1.72" Dia. Opening	Self-Closing Lid
			
84020-40	**WP2	***7420-CR ***7420-CRG (Grey)	4980-GY

*IP64 Rated. Includes Gasket and Screws
**For use with 20 + 30A 3,4 and 5 Wire Locking Flanged Inlets and Outlets.
***For use with 20A + 30A Single-Locking Receptacles.
****For receptacles. Includes Gasket and Screws.

Related Products

For more information on Weather-Resistant Boots for Locking Plugs and Connectors see page 288.
For a complete listing of Wallplates and Covers see page 707.

TESTING AND CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD - 6, ANSI C-73 requirements and to meet/exceed UL 498 Standards
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Most Non-NEMA locking devices are not UL Listed and are intended for replacement purposes only. Consult your Leviton representative for more information on UL Listing for Non-NEMA devices

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG, Receptacles:#14-#8 AWG
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
15A Non-NEMA Locking	(.240"-.700") #18-#10 AWG
20A Locking 2 and 3-Wire	(.385"-.780") #16-#10 AWG
20A Locking 4 and 5-Wire	(.595"-.895") #14-#10 AWG

BLACK & WHITE® 30 AND 50 AMP NON-NEMA

3-Pole, 3-Wire Non-Grounding††



3330

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**30A 125V/250V**	
Locking Plug	3331-C*	
Locking Connector		3333*
Locking Flanged Inlet	3334-C	
Locking Flanged Outlet		3335-C
Single Flush Receptacle		3330*

††Non-NEMA grounding devices are no longer UL Listed—for replacement use only.
*Add (-G) for grounding devices.



3331-C

4-Pole, 4-Wire Non-Grounding††

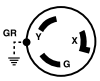
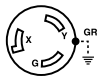
Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**30A 3ØY 120V/208V**	
Locking Plug	3431-C*	
Locking Connector		3433-C*
Locking Flanged Inlet	3434-C	
Locking Flanged Outlet		3435-C
Single Flush Receptacle		3430*

††Non-NEMA grounding devices are no longer UL Listed—for replacement use only.
*Add (-G) for grounding devices.



3333-C

2-Pole, 3-Wire Grounding

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**50A 250VDC/600VAC**	
Locking Plug	3763C	
Locking Connector		3762C
Locking Flanged Inlet	3777	
Single Locking Receptacle		3771

3-Pole, 4-Wire Grounding

Description	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Non-NEMA				
Rating	**50A 250VDC/600VAC**		**50A 250VDC/600VAC**	
Locking Plug	7765C*		3765C	
Locking Connector		7764C*		3764C
Locking Flanged Inlet	7958*		3775	
Single Locking Receptacle		7379*		3769

* For replacement use in existing installation ONLY

WALLPLATES AND COVERS

Weather-Resistant Flip Lid Cover For 50A Receptacles

IP64 Rated—Includes Gasket and Screws



7788-CR
Yellow Lexan



7770
Grey Metal

Related Products
For more information on Weather-Resistant Boots for 50A Locking Plugs and Connectors **see page 288.**
For a complete listing of Wallplates and Covers **see page 707.**

TESTING AND CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD - 6, ANSI C-73 requirements and to meet/exceed UL 498 Standards

50A Devices

- UL Listed receptacles, plugs, connectors, inlets and outlets (File # E-13399)
- CSA Certified (File #LR-81290)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V0 per UL 94HB

- Most Non-NEMA locking devices are not UL Listed and are intended for replacement purposes only. Consult your Leviton representative for more information on UL Listing for Non-NEMA devices

Operating Temperature: 30A Devices: -40°C to 60°C, 50A Devices: -40°C to 75°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: 30A Devices #18-#10 AWG, 50A Devices:#10-#4 AWG
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
30A Non-NEMA Locking 3-Wire	(.385"–.860") #16–#8 AWG
30A Non-NEMA Locking 4-Wire	(.595"–1.150") #14–#10 AWG
50A Non-NEMA Locking 3-4 -Wire	(.650"–1.20") #10–#4 AWG

LEVITON

Industrial Grade

Black & White® "California Style" CS Non-NEMA Locking Devices

Specifications and Features

50A CS Locking Plugs and Connectors, Receptacles and Flanged Inlets

- Nylon housing for excellent impact resistance and secure gripping
- Color-coded wire entrance holes for simple, easy wiring
- Clamp-type wire terminals



CS6365C



CS6364C



CS8375

2-Pole, 3-Wire Grounding

Description	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Non-NEMA						
Rating	**50A 125V**		**50A 250V**		**50A 480V**	
Locking Plug	CS6361C		CS8265C		CS8465C	
Locking Connector		CS6360C		CS8264C		CS8464C
Locking Flanged Inlet	CS6377		CS8275		CS8475	
Single Locking Receptacle		CS6370		CS8269		CS8469

3-Pole, 4-Wire Grounding

Description	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Non-NEMA						
Rating	**50A 125V/250V**		**50A 3Ø 250V**		**50A 3Ø 480V**	
Locking Plug	CS6365C		CS8365C		CS8165C	
Locking Connector		CS6364C		CS8364C		CS8164C
Locking Flanged Inlet	CS6375		CS8375		CS8175	
Single Locking Receptacle		CS6369		CS8369		CS8169

WALLPLATES AND COVERS

Weather-Resistant Flip Lid Cover For 50A Receptacles

IP64 Rated—Includes Gasket and Screws



7788-CR Yellow Lexan



7770 Grey Metal

Related Products

For more information on Weather-Resistant Boots for 50A Locking Plugs and Connectors see page 288.
For a complete listing of Wallplates and Covers see page 707.

TESTING AND CODE COMPLIANCE

- UL Listed receptacles, plugs, connectors, inlets and outlets (File # E-13399)
- CSA Certified (File #LR-15105)
- NOM Certified (#057)

50A Devices

- UL Listed receptacles, plugs, connectors, inlets and outlets (File # E-13399)
- CSA Certified (File #LR-81290)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V0 per UL 94HB
Operating Temperature: -40°C to 75°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.:#10-#4 AWG
Product I.D.: Ratings are permanently stamped on device

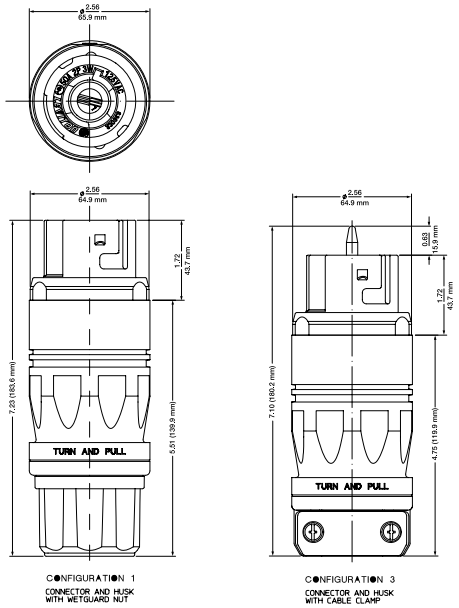
DEVICE TYPE

50A Non-NEMA Locking 3 and 4-Wire

CORD GRIP RANGE

(.680"–1.125") #10–#4 AWG

DIMENSIONS



50 Amp

LOCKING POWER INTERRUPTING DEVICES

2-Pole, 3-Wire Grounding



23000-HG

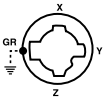
Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**20A 125V**	
Locking Plug HOSPITAL USE ONLY	23001-HG*	
Locking Connector HOSPITAL USE ONLY		23004-HG*
Single Flush Receptacle with a Thermoset body		23000-HG*
Locking Plug	23034-A**	
Locking Connector		23031-A**
Single Flush Receptacle		23030**

*UL and CSA listed. UL for "HOSPITAL USE ONLY" applications in non-hazardous locations.
**Also rated at 10A for 250VDC and 480VAC.

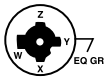
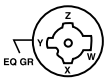
3-Pole, 4-Wire Grounding



23004-HG

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**30A 600VAC/20A 250VDC**	
Locking Plug	21415-B	
Locking Connector		21414-B
Single Flush Receptacle		20403

4-Pole, 5-Wire Grounding

Description	Cat. No.	Cat. No.
Non-NEMA		
Rating	**30A 600VAC/20A 250VDC**	
Locking Plug	25415-B	
Locking Connector		25414-B
Single Flush Receptacle		25403

Midget Locking Devices

Specifications and Features

- Offers a smaller form factor for limited-space applications
- Locking Plugs and Connectors feature heavy-duty nylon construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking
- Backed by a Lifetime Warranty

2-Pole, 2-Wire Non-Grounding

Description	Cat. No. Plug/Inlet	Cat. No. Connector/Outlet
Non-NEMA	 ML-1P	 ML-1R
Rating	**15A 125V**	
Midget Locking	ML1-P	ML1-C
Angle	ML1-AP	ML1-AC
Nylon Midget Locking Flanged	ML1-PB	ML1-PER



ML1-P

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug/Inlet	Cat. No. Connector/Outlet
Non-NEMA	 ML-2P	 ML-2R
Rating	**15A 125V**	
Midget Locking Plug	ML2-P	ML2-C
Angle	ML2-AP	ML2-AC
Nylon Midget Locking Flanged	ML2-PB	ML2-PER



ML1-AP

3-Pole, 3-Wire Non-Grounding

Description	Cat. No. Plug/Inlet	Cat. No. Connector/Outlet
Non-NEMA	 ML-3P	 ML-3R
Rating	**15A 125/250V**	
Midget Locking Plug	ML3-P	ML3-C
Angle	ML3-AP	ML3-AC
Nylon Midget Locking Flanged	ML3-PB	ML3-PER

LEVITON

Industrial Grade

TESTING AND CODE COMPLIANCE
- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD - 6, ANSI C-73 requirements and to meet/exceed UL 498 Standards
- UL Fed Spec Listed WC-596 (File #E-13393 Plugs, Connectors, Flanged Inlets) (File #E-13399 Receptacles and Flanged Outlets)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

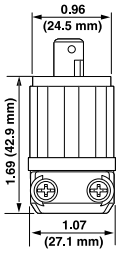
ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full Rated Current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#14 AWG
Product I.D.: Ratings are permanently stamped on device

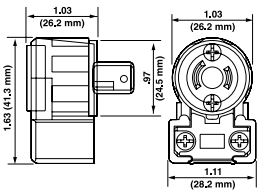
DEVICE TYPE
15A 2 and 3-Wire

CORD GRIP RANGE
(.218" - .430") #18-#14 AWG

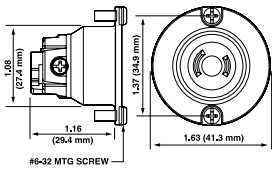
DIMENSIONS



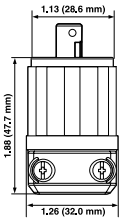
ML1 Plug



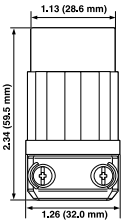
ML1-AP Angle Plug



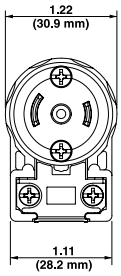
ML1-PB Flanged Outlet

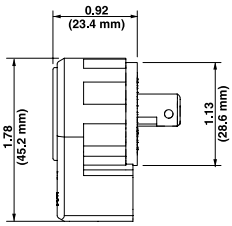


ML2's and ML3's Plugs

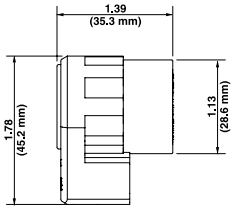


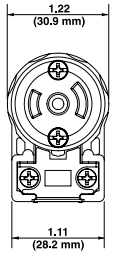
ML2's and ML3's Connectors





ML2's and ML3's Angle Plugs





ML2's and ML3's Angle Connectors

Wetguard® Watertight Locking Blade Devices

Specifications and Features

- IEC IP66 and IP 67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- EPTR rubber part provides outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Interlocking "tongue and groove" construction seals out water, moisture, dirt when plugs are mated with connectors
- Multi-point sealing system utilizes nut, strain relief washer and rubber bushing to form a watertight cord grip seal
- Non-magnetic stainless steel fast-threading assembly screws won't interfere with sensitive equipment
- Connector "hood" closure cap seals device when not in use
- Backed by a Lifetime Warranty

15, 20, 30A WATERTIGHT LOCKING BLADE DEVICES

2-Pole, 2-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
Non-NEMA	 L1-15P	 L1-15R	 L2-20P	 L2-20R
Rating	**15A–125V**		**20A–250V**	
Yellow EPTR	24W04	25W04	26W07	27W07

Note: Cord Clamp Range: .375"–.655" #18–#10 AWG



24W47

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-15P	 L5-15R	 L6-15P	 L6-15R	 L7-15P	 L7-15R
Rating	**15A–125V**		**15A–250V**		**15A–277V**	
Yellow EPTR	24W47	25W47	24W49	25W49	24W34	25W34
Black EPTR	24W47-B	25W47-B	—	—	—	—

20 AMP — 2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-20P	 L5-20R	 L6-20P	 L6-20R
Rating	**20A–125V**		**20A–250V**	
Yellow EPTR	26W47	27W47	26W48	27W48
Black EPTR	26W47-B	27W47-B	26W48-B	27W48-B


25W47

Continued On Next Page >

Continued From Previous Page >

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L7-20P	 L7-20R	 L24-20P	 L24-20R
Rating	**20A-277V**		**20A-347V**	
Yellow EPTR	26W49	27W49	22W07	23W07

3-Pole, 4-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L14-20P	 L14-20R	 L15-20P	 L15-20R	 L16-20P	 L16-20R
Rating	**20A-125V/250V**		**20A-3Ø 250V**		**20A-3Ø 480V**	
Yellow EPTR	26W74	27W74	26W75	27W75	26W76	27W76
Black EPTR	—	—	26W75-B	27W75-B	26W76-B	27W76-B

4-Pole, 5-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L21-20P	 L21-20R	 L22-20P	 L22-20R	 L23-20P	 L23-20R
Rating	**20A-3ØY -120V/208V**		**20A-3ØY 277V/480V**		**20A-3ØY 347V/600V**	
Yellow EPTR	26W81	27W81	26W82	27W82	26W83	27W83
Black EPTR	26W81-B	27W81-B	—	—	—	—



26W81

3-Pole, 3-Wire Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
Non-NEMA				
Rating	**20A-250V/10A 600V AC**		**20A-250V/10A 600V AC**	
Yellow EPTR Non-grounding	26W08	27W08		
Yellow EPTR Grounding			26W08-G	27W08-G



27W81

3-Pole, 3-Wire Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA		
Rating	**15A-125V/10A/250V**	
Yellow EPTR	24W07	25W07

4-Pole, 4-Wire Non-Grounding, Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA		
Rating	**20A-3ØY 120V/208V**	
Yellow EPTR	26W09	27W09

4-Pole, 5-Wire Non-Grounding, Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA		
Rating	**20A-250V/10A 600V AC**	
Yellow EPTR	26W10	27W10

30 AMP — 2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-30P	 L5-30R	 L6-30P	 L6-30R	 L7-30P	 L7-30R
Rating	**15A-125V**		**15A-250V**		**15A-277V**	
Yellow EPTR	28W47	29W47	28W48	29W48	28W49	29W49
Black EPTR	28W47-B	29W47-B	—	—	—	—



29W47



29W47-B

3-Pole, 4-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L14-30P	 L14-30R	 L15-30P	 L15-30R
Rating	**30A- 125V/250V**		**30A- 125V/250V**	
Yellow EPTR	28W74	29W74	28W75	29W75
Black EPTR	—	—	28W75-B	29W75-B

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L16-30P	 L16-30R	 L16-30P	 L16-30R
Rating	**30A- 3Ø 480V**		**30A- 3Ø 600V**	
Yellow EPTR	28W76	29W76	28W77	29W77
Black EPTR	28W76-B	29W76-B	28W77-B	29W77-B

4-Pole, 5-Wire Grounding



28W83

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA	 L21-30P	 L21-30R	 L22-30P	 L22-30R	 L23-30P	 L23-30R
Rating	**30A-3ØY 120V/208V**		**30A-3ØY 277V/480V**		**30A-3ØY 347V/600V**	
Yellow EPTR	28W81	29W81	28W82	29W82	28W83	29W83

3-Pole, 3-Wire Non-Grounding, Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA		
Rating	**30A-125V/10A-250V**	
Yellow EPTR	28W08	29W08

Not UL Listed - For Replacment Only



29W83

4-Pole, 4-Wire Non-Grounding, Non-NEMA

Description	Cat. No. Plug	Cat. No. Connector
Non-NEMA		
Rating	**30A-3ØY 120V/208V**	
Yellow EPTR	28W09	29W09

Not UL Listed - For Replacement Only

REPLACEMENT CLOSURE CAP

Description	Color	Cat. No. Plug Cap	Cat. Connector Cap
For all 15A and 2P2W 20A devices	Black	50W50-B	14W-B
	Yellow	50W50	14W
For 20A devices	Black	50W52-B	26W-B
	Yellow	50W52	26W
For 30A devices	Black	50W54-B	28W-B
	Yellow	50W54	28W

TESTING AND CODE COMPLIANCE
- Meet NEMA WD-6, ANSI C-73 requirements
- UL Listed and Meets Fed Spec (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

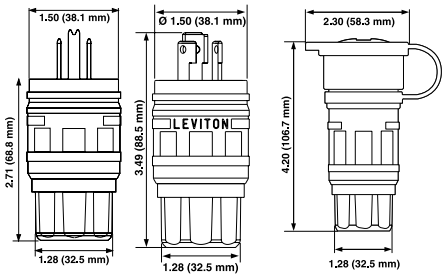
MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

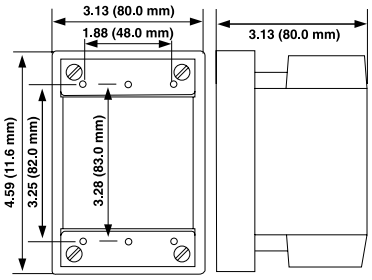
MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
15A Locking - 3 Wire	(.375" - .655") #18-#10 AWG
20A Locking 3, 4 and 5 Wire	(.375" - .875") #18-#10 AWG
30A Locking 3, 4 and 5 Wire	(.625" - 1.125") #12-#8 AWG

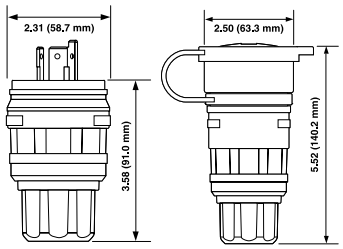
DIMENSIONS



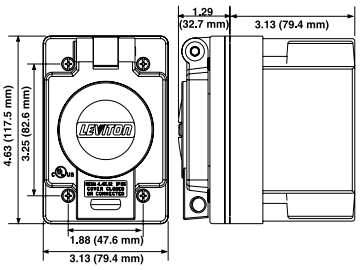
All 15A Plugs and 2-Pole 2-Wire 20A Plugs, Connectors



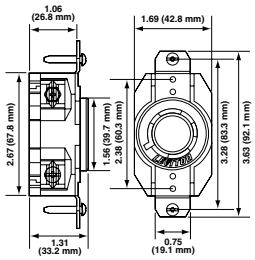
FD Box



20A Locking Plug and Locking Connectors



FD Box & Cover



CR Receptacle

LEVITON

Industrial Grade

Dustguard® Locking Plugs and Connectors

Specifications and Features

- IEC IP44 Rated
- Developed to withstand dusty and dirty environments, cracking and fading, temperature extremes
- Rugged wiring modules have high performance singlepiece brass triple-wipe contacts, solid brass plug blades



2447

DUSTGUARD® LOCKING PLUGS AND CONNECTORS

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector
NEMA	 L5-15P	 L5-15R
Rating	**15A-125V**	
Dustguard® Yellow EPTR Body	2447	2547

TESTING AND CODE COMPLIANCE

- Meet NEMA WD-1 and WD-6, ANSI C-73 requirements
- UL 498 Listed and Meets Fed. Spec. Requirements (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE

15A Locking - 3 Wire

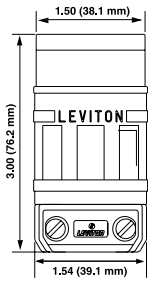
CORD GRIP RANGE

(.240" - .655") #12-#18 AWG

DIMENSIONS



Plug



Connector

Corrosion Resistant Locking Devices

Specifications and Features

- All current-carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)
- Super tough nylon plug and connector body is bright yellow for easy corrosion resistant identification
- Connector power contacts are heavy-duty, solid, one-piece brass, triple-wipe, set in deep pockets to resist rough use
- Heavy-duty, impact-resistant, super tough ST801 all-nylon body construction; fluted body design provides sure grip
- Wire clamp moves in individual chamber to provide positive crimp lock without cutting wire strands
- Backed by a Limited Ten-Year Warranty

15 AMP

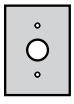
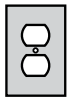
2-Pole, 3-Wire Grounding

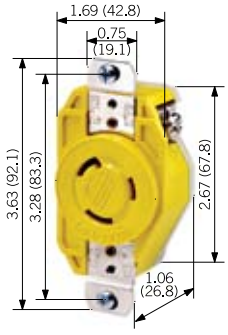
Description	Cat. No. Plug	Cat. No. Connector/ Receptacle	Cat. No. Plug	Cat. No. Connector/ Receptacle	Cat. No. Plug Cat. No.	Cat. No. Connector/ Receptacle
NEMA	 L5-15P	 L5-15R	 L6-15P	 L6-15R	 L7-15P	 L7-15R
Rating	**15A–125V**		**15A–250V**		**15A–277V**	
Yellow Nylon Body and Cord Clamp	47CM-20C	47CM-29C	45CM-70C	45CM-79C		
Single Flush Receptacle		47CM-10		45CM-60		47CM-60



23CM-11

WALLPLATES COVERS AND BOXES

302 Stainless Steel For 15A Single Locking Receptacle	302 Stainless Steel For 15A/20A Locking Duplex Receptacle	Weather-Resistant Flip Lid Cover For 15A Locking Devices
1.41" Dia. Opening		1.72" Dia. Opening IP64 Rated—Includes Gasket and Screws
		
84004-40	84003-40	WP1
Wetguard Cover and Gasket	**Blank Plate w/Gasket**	**FD Box Glass-Filled Polyester (2 KO openings)**
IP66 Rated		
		
60W03 Yellow, 60W03-B Black 15A Locking	WP459 Yellow	452CR Yellow 1/2"
60W04 Yellow, 60W04-B Black 20A Locking		453CR Yellow 3/4"
60W05 Yellow 60W05-B Black 30A Locking		454CR Yellow 1"



23CM-10

Related Products

For more information on Weather-Resistant Boots for Locking Plugs and Connectors see page 288.
For a complete listing of Wallplates and Covers see page 707.

TESTING AND CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Meet NEMA WD 1 & 6, requirements
- Meet or exceeed UL Fed Spec Listed WC-596 (File #E-13393 Plugs and Connectors) (File #E-13399 Receptacles)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94 V-O-Max®
Receptacles Rate: V0
Operating Temperature: -40°C (without impact) to 60°C maximum continuous

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.:#18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

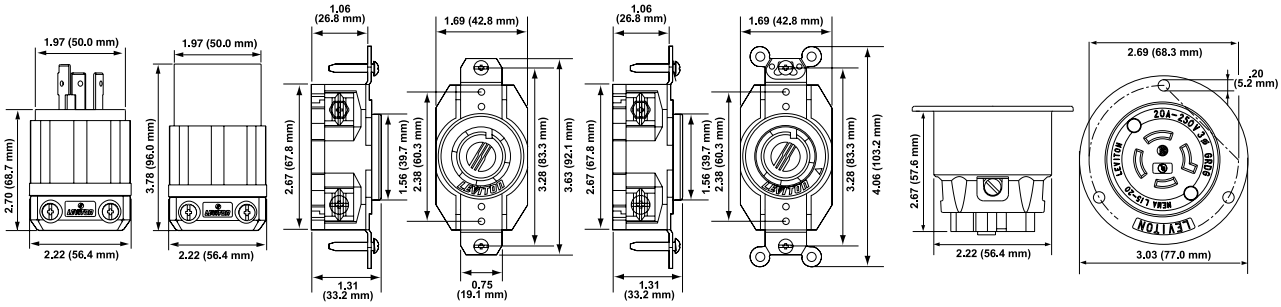
DEVICE TYPE

15A Locking - 3 Wire

CORD GRIP RANGE

(.240" - .700") #18-#10 AWG

DIMENSIONS



Plug | Connector | Receptacles | IG Receptacles | Inlets and Outlets

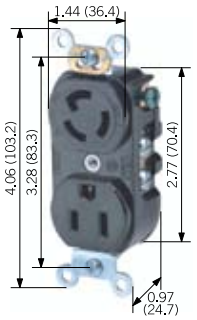
Combination Locking and Straight Blade Duplex Receptacle

Specifications and Features

- Impact-resistant black thermoplastic nylon face and body
- Smooth face does not collect dirt
- Large, triple-wipe brass "T" contacts for superior contact and conductivity
- Triple-combination terminal screws
- Back and side wire options accept #10–#14 AWG stranded or solid wire
- Backed by a Limited Ten Year Warranty

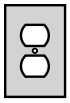
2-Pole, 3-Wire Back and Side Wired, Grounding

Description	Cat. No.
NEMA	 L5-15R
Rating	**15A-125V**
Duplex Combination Locking & Straight Blade Receptacle with Common Feed	4792
2 Hot Feeds, 1 Neutral Return	4794-1R
Split Feed — 2 Hot Feeds, 2 Neutral Returns	4795-2R



4792

WALLPLATES

302 Stainless Steel	Thermoplastic
	
84003-40 — 302 Stainless Steel	80703-E (Black) — Other Colors Available

TESTING AND CODE COMPLIANCE

- Meet NEMA WD 1 & 6, requirements
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C (without impact) to 60°C maximum continuous

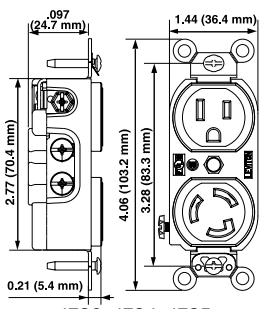
ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DIMENSIONS



4792, 4794, 4795

LEVITON

Industrial Grade

Integrated Power Inlets and Outlets with Weather-Resistant Covers

Specifications and Features

- Engineered to IP 64 and NEMA 3R Protection Ratings
- Suitable for Industrial Indoor and Outdoor Use
- Gray, Glass-Filled Thermoplastic Cover and White, Nylon Device
- Glass-filled thermoplastic cover and plate provide outstanding impact resistance and durability
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel external hardware resists corrosive effects of moisture
- Large thumb-tab makes it easy to open cover with gloved hand
- Mounts to panels or FS/FD boxes
- UL Listed and CSA Certified for wet locations with cover closed
- Backed by a Limited Two-Year Warranty



4715-FWP

2-Pole, 3-Wire

Description	Cat. No. Inlet	Cat. No. Outlet	Cat. No. Inlet	Cat. No. Outlet
NEMA	 L5-15P	 L5-15R	 L6-15P	 L6-15R
Rating	**15A-125V**		**15A-250V**	
Standard Wire Wells	4716-CWP	4715-CWP	4586-CWP	4585-CWP
Slots for Fork Terminals	4716-FWP	4715-FWP		

TESTING AND CODE COMPLIANCE

- IP 64 Suitability Rating (protected against dust and splashing water)
- UL Listed (File #E-13393 Inlet) (File #E-13399 Outlet)
- CSA Certified (File #LR-16347)
- NOM Certified (#057)
- NEMA Type 3R Enclosure Rating when properly installed (protected against rain, sleet and damage from external ice formations)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C to 60°C

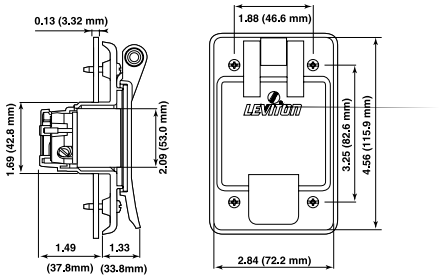
ELECTRICAL

Dielectric Voltage: Withstands 1500V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.:#18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DIMENSIONS



All Integrated Inlets and Outlets

20 AMP

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector/ Receptacle	Cat. No. Plug	Cat. No. Connector/ Receptacle	Cat. No. Plug	Cat. No. Connector/ Receptacle
NEMA	 L5-20P	 L5-20R	 L6-20P	 L6-20R	 L7-20P	 L7-20R
Rating	**20A–125V**		**20A–250V**		**20A–277V**	
Yellow Nylon Body and Cord Clamp	23CM-11	23CM-13				
V-O-MAX® Single Flush Receptacle		23CM-10		23CM-20		23CM-30

3-Pole, 4-Wire Grounding

Description	Cat. No. Receptacle	Cat. No. Receptacle	Cat. No. Receptacle
NEMA	 L14-20R	 L15-20R	 L16-20R
Rating	**20A–125V/250V**	**20A–3Ø 250V**	**20A–3Ø 480V**
V-O-MAX® Single Flush Receptacle	24CM-10	24CM-20	24CM-30

30 AMP

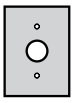
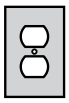
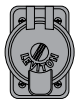
2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector/ Receptacle	Cat. No. Plug	Cat. No. Connector/ Receptacle
NEMA	 L5-30P	 L5-30R	 L6-30P	 L6-30R
Rating	**30A–125V**		**30A–250V**	
Yellow Nylon Body and Cord Clamp	26CM-11	26CM-13	26CM-21	26CM-23
V-O-MAX® Single Flush Receptacle		26CM-10		26CM-20

3-Pole, 4-Wire Grounding

Description	Cat. No. Receptacle	Cat. No. Receptacle
NEMA	 L14-30R	 L15-30R
Rating	**30A–125V/250V**	**30A–3Ø 250V**
V-O-MAX® Single Flush Receptacle	27CM-10	27CM-20

WALLPLATES COVERS AND BOXES

302 Stainless Steel For 15A Single Locking Receptacle	**302 Stainless Steel For 15A/20A Locking Duplex Receptacle**	**Weather-Resistant Flip Lid Cover For 15A Locking Devices**
1.41" Dia. Opening		1.72" Dia. Opening IP64 Rated—Includes Gasket and Screws
		
84004-40	84003-40	WP1
Wetguard Cover and Gasket	**Blank Plate w/Gasket**	**FD Box Glass-Filled Polyester (2 KO openings)**
IP66 Rated		
		
60W03 Yellow, 60W03-B Black 15A Locking	WP459 Yellow	452CR Yellow 1/2"
60W04 Yellow, 60W04-B Black 20A Locking		453CR Yellow 3/4"
60W05 Yellow 60W05-B Black 30A Locking		454CR Yellow 1"

TESTING AND CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Meet NEMA WD 1 & 6, requirements
- Meet or exceeed UL Fed Spec Listed WC-596 (File #E-13393 Plugs and Connectors) (File #E-13399 Receptacles)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94 V-O-Max®
Receptacles Rate: V0
Operating Temperature: -40°C (without impact) to 60°C maximum continuous

ELECTRICAL

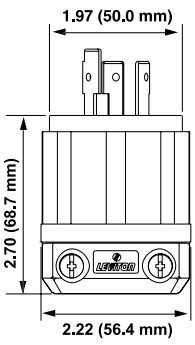
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

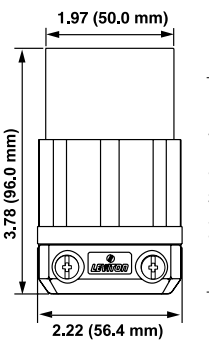
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.:#18-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DEVICE TYPE	CORD GRIP RANGE
20A Locking - 3 Wire	(.240" - .700") #18-#10 AWG
20A Locking - 4 Wire	(.595" - .895") #14-#10 AWG
30A Locking - 3 Wire	(.385" - .860") #16-#8 AWG
30A Locking - 4 Wire	(.595" - 1.150") #14-#8 AWG

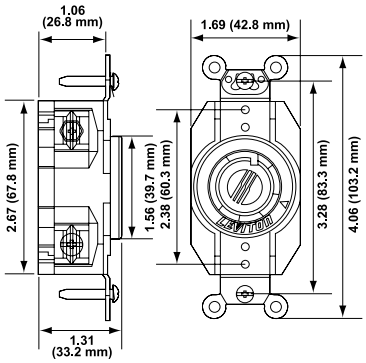
DIMENSIONS



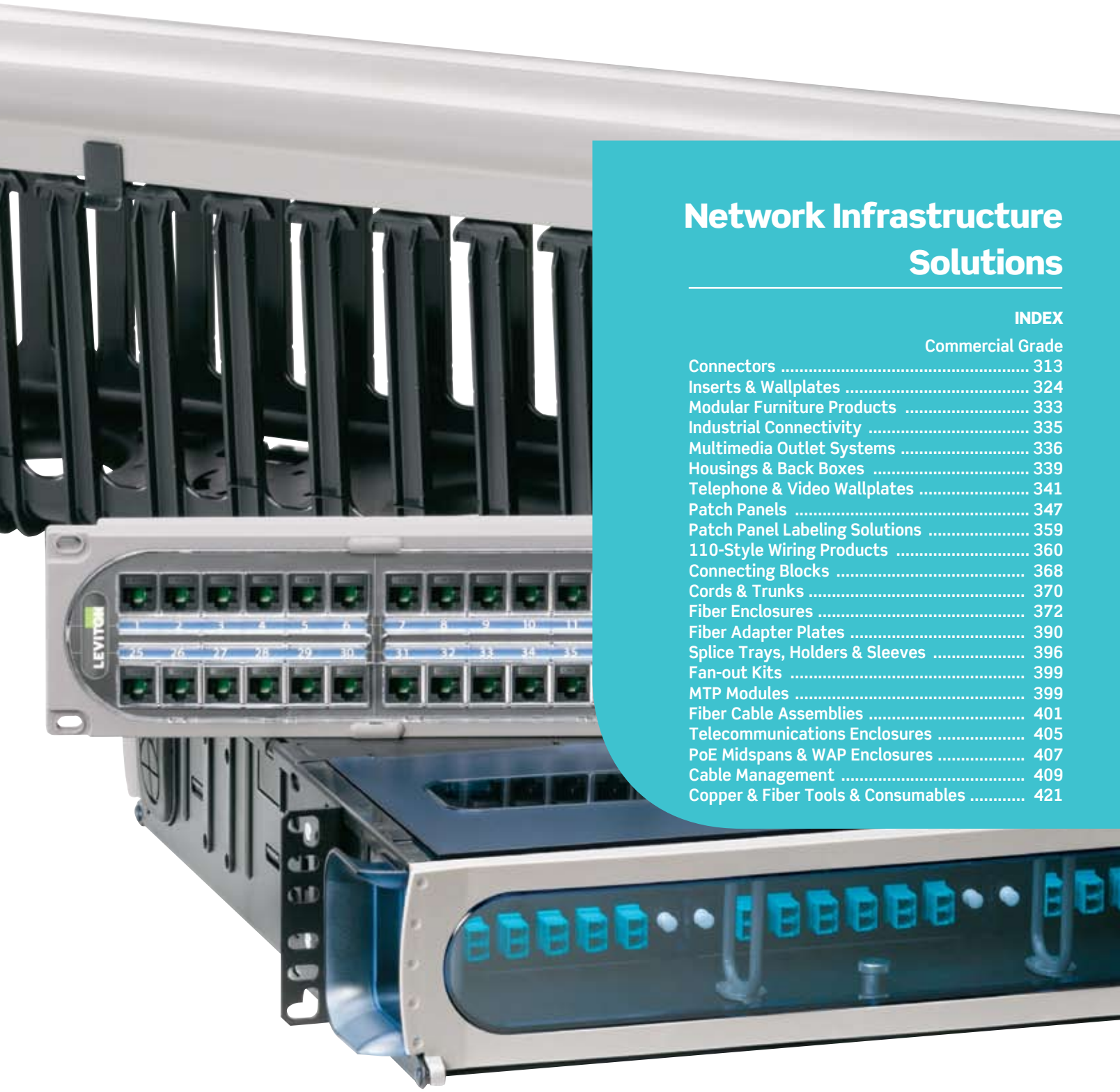
CR Plug



CR Connector



Receptacles



Network Infrastructure Solutions

INDEX

Commercial Grade

Connectors 313
Inserts & Wallplates 324
Modular Furniture Products 333
Industrial Connectivity 335
Multimedia Outlet Systems 336
Housings & Back Boxes 339
Telephone & Video Wallplates 341
Patch Panels 347
Patch Panel Labeling Solutions 359
110-Style Wiring Products 360
Connecting Blocks 368
Cords & Trunks 370
Fiber Enclosures 372
Fiber Adapter Plates 390
Splice Trays, Holders & Sleeves 396
Fan-out Kits 399
MTP Modules 399
Fiber Cable Assemblies 401
Telecommunications Enclosures 405
PoE Midspans & WAP Enclosures 407
Cable Management 409
Copper & Fiber Tools & Consumables 421

Quick Reference Guide

The following terms are used throughout this section to help users quickly identify special product features.

eXtreme® CAT 6A
Leviton's CAT 6A solution was designed for 10G Base-T applications — the highest performing Ethernet Network Protocol available. eXtreme 6A component rated connectors feature patented Cone of Silence and patented Retention Force Technology® (RFT) for unparalleled signal integrity.

eXtreme® 6+
Leviton's Category 6 solution with patented Retention Force Technology. Includes connectors, patch cords and a variety of patch panels. Exceeds TIA specifications for channel, permanent link and component-rated Category 6 systems.

GigaMax® 5e
Leviton's Category 5e channel and component rated solution. Includes connectors, patch cords and a variety of universal and pre-configured panels. Exceeds TIA specifications for channel-and component-rated Category 5e systems.

Category 5
Leviton's Category 5 solution for fast reliable voice and data applications from frame to workstation. Includes connectors, patch cords and universal panels. Exceeds TIA specifications for channel and category-rated Category 5 systems.

Opt-X®
Opt-X is Leviton's full solution Fiber Optic System incorporating a wide range of fiber optic components, including adapters, mounting plates, connectors, enclosures, cable assemblies, tools, consumables and workstation products with features and options to meet all types of customer and application needs.

FastCAM®
Leviton's FastCAM fiber connectors are pre-terminated and factory polished to provide precision termination of single-mode or multimode fiber.

Thread-Lock®
Award-winning Thread-Lock mechanical connectors are part of Leviton's full line of connectors. Ideal for quick installations, the reusable connectors make field-installation simple and cost-effective.

Fast-Cure™
Reliable, cost-effective fiber optic connectors with quick, adhesive termination featuring precision pre-radiused zirconia ferrules, high retention strength, and patented non-optical disconnect spacer design.

Versi-Duct®
Leviton's versatile horizontal and vertical channel system for fiber and copper cable organization and management. A high-quality system with a variety of accessories.

110 ChannelMax®
The 110 channel duct that allows extra space for routing cables by increasing the vertical channel depth to 3 or 5 inches.

Retention Force Technology®
Patented features included in eXtreme 6+ and Gigamax 5e+ products, which provide enhanced connection integrity and promote consistent performance over the life of the system. Increased wire retention reduces tine contact failure. Improved gas-tight connection prevents corrosion.

QuickPort®
Leviton's extensive line of snap-in modules allows complete field-configurability for the installer. Leviton QuickPort housings, such as wallplates, MOS housings and modular furniture faceplates, can be configured with a custom combination of QuickPort modules which easily snap in or out of ports.

Decora®
The original Decora QuickPort module wallplate is designed to match Decora electrical devices manufactured by Leviton. Lifetime Performance Warranty Leviton Network Solutions Division offers a Lifetime Performance Warranty when approved components are installed by a Leviton Certified Installer through the Leviton Network Solutions Certification program.

TIA Guidelines
The TIA, or Telecommunications Industries Association, is the industry regulatory body which defines industry standards, such as the following:

TIA-568-C:	Commercial Building Telecommunications Cabling Standard
TIA-569-B:	Commercial Building Standards for Telecommunications Pathways & Spaces
TIA/EIA-606-A:	Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
TIA-598-C:	Optical Fiber Cable Coding

COLOR CHOICES

To order colors, add suffix to Cat No.

White (-W) · Ivory (-I) · Almond (-A) · Lt. Almond (-T) · Grey (-G) · Black (-E) · Brown (-B) · Blue (-L) · Orange (-O) · Green (-V) · Yellow (-Y)

Purple (-P) · Crimson Red (-C) · Dark Red (-R)

QuickPort® Connectors for UTP and STP Copper Cable

Leviton offers a variety of copper connectors from advanced CAT 6A (10G) to CAT 3 solutions. eXtreme® 6A, our highest performing connector featuring the Cone of Silence and Retention Force Technology® (RFT), resists alien crosstalk (AXT) and offers unparalleled signal integrity. eXtreme 6+ and component rated GigaMAx 5e+ connectors also feature patented RFT for long term performance. Shielded connectors in CAT 5e, CAT 6, and CAT 6A ratings feature a robust, die-cast housing, provide protection from electromagnetic interference, and offer increased data security. Category 5 and Category 3 connectors offer an economical solution for a variety of applications. All connectors feature standard QuickPort compatibility and universal color coded wiring labels and exceed industry performance standards. Available in 14 colors.

Related Products

Use Leviton's Palm Termination Tool to quickly and easily punch down connectors at the jobsite. This new tool, designed with contractor input, offers an ergonomic comfort grip, increased connector stability, and integrated holes that allow rack mounting of the Palm Tool for QuickPort panel terminations. The Palm Tool is compatible with all CAT 6A/6/5e and standard QuickPort A/V connectors. **Order part number 47615-PTT or see page 421 for more information.**



QUICKPORT SNAP-IN CONNECTORS

eXtreme® 6A Snap-In Connectors

Description	Cat. No.	Color
[A] eXtreme 6A component-rated connector	6A10G-R*6	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
eXtreme 6A channel-rated connector	6110G-R*6	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
[B] Shielded CAT 6A connector	6S10G-S6A	—

eXtreme 6+ Connectors

Description	Cat. No.	Color
[C] eXtreme 6+ CAT 6 connector	61110-R*6	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
[D] eXtreme 6+ CAT 6 connectors QuickPack® (25 per pack)	61110-B*6	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
[E] eXtreme 6+ CAT 6 connectors Greenpack™ (24-pack)	61110-24*	W, I, E, L, O
[F] Shielded CAT 6 connector	6S180-SH6	—


A


B


F


C


E


J H D



G



I



K



L



M



N

GigaMax® 5e and 5e+ Connectors

Description		Cat. No.	Color
[G]	GigaMax 5e+ component-rated connector	5G110-R*5	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
[H]	GigaMax 5e+ component-rated connectors QuickPack® (25 per pack)	5G110-B*5	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
	GigaMax 5e+ component-rated connectors Greenpack® (24-pack)	5G110-24*	W, I, E, L, O
[I]	GigaMax 5e channel-rated connector	5G108-R*5	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
[J]	GigaMax 5e channel-rated connectors QuickPack® (25 per pack)	5G108-B*5	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
	GigaMax 5e channel-rated connectors Greenpack (24-pack)	5G108-24*	W, I, E, L, O
[K]	GigaMax 5e shielded channel-rated connector	5S180-SH5	—

Category 5 Connectors

Description		Cat. No.	Color
[L]	Category 5 connector	41108-R*5	W, I, A, T, G, E, B, L, O, V, Y, P, C, R

Category 3 Connectors

Description		Cat. No.	Color
[M]	Category 3 connector	41108-R*3	W, I, A, T, G, E, B, L, O, V, Y, P, C, R

Voice Grade Connectors

Description		Cat. No.	Color
[N]	USOC connector, 6P6C	41106-R*6	W, I, A, T, G, E, B, L, O, V, Y, P, C, R
	USOC connector, 8P8C	41108-R*8	W, I, A, T, G, E, B, L, O, V, Y, P, C, R

TESTING AND CODE COMPLIANCE

- All category-rated connectors comply with TIA-568-C requirements
- UL listed
- Fully compliant with NEC Article 800
- Meet FCC Part 68

MATERIAL CHARACTERISTICS

- All module bodies are fire-retardent plastic rated UL 94V
- Jack spring contratcs are the highest quality phosphor bronze, plated with 50 michroinches of gold, over 100 microinches of nickel for lowest contract resistance, maximum life

COLOR

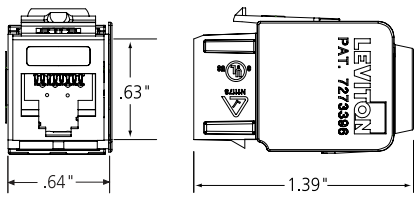
All colors available unless otherwise inicated. To order colors, add suffix to Cat. No as follows: White (-W), Ivory (-I), Almond (-A), Lt. Almond (-T), Grey (-G), Black (-E), Brown (-B), Blue (-L), Orange (-O), Green (-V), Yellow (-Y), Purple (-P), Crimson Red (-C), Dark Red (-R). Colors not available for shielded models.

Related Products

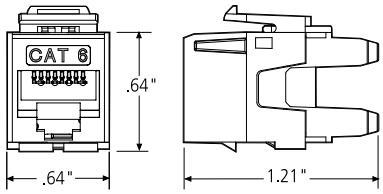
Protect your Category 5e and 6 connectors from damage and debris with Leviton's Field Installable Shutters and Icons.

See Labeling Products on page 331 for more information.

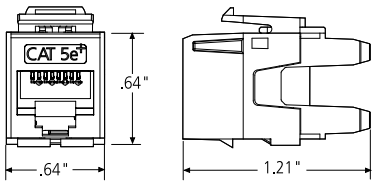
DIMENSIONS



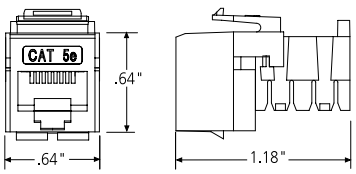
QuickPort eXtreme® 10G/CAT 6A Connector
6A10G-R*6, 6110G-R*6



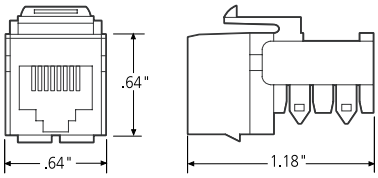
QuickPort eXtreme 6+ Connector
61110-R*, 61110-B*6, 61110-24*



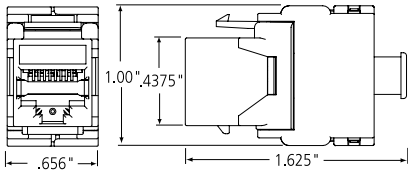
QuickPort GigaMax® 5e+ Connector
5G110-R*5, 5G110-B*5, 5G110-24*



QuickPort GigaMax 5e Connector
5G108-R*5, 5G108-B*5, 5G1018-24*



QuickPort Category 5, Category 3 & Voice Grade
41108-R*5, 41108-R*3, 41106-R**



Shielded Connector
5S180-SH5, 6S180-SH6, 6S10G-S6A

NOTE: QuickPort Wallplate openings are approximately .64"H x .58"W. Please call Tech Support for clarification on jack interface dimensions.

A/V Connectors & Adapters

Specifications and Features

- Decora® Wallplate Inserts with HDMI and DVI connections provide high definition video with in-wall wiring for a cleaner installation
- S-Video for enhanced video streams allow for feedthrough and 110-Style termination
- Utilize BNC Connectors for commercial CCTV or commercial video signals
- Binding Post and Banana Jack Connectors are excellent for advanced audio
- 3.5mm Stereo Adapter facilitates classroom, workstation and computer audio applications
- QuickPort® Blanks secure unused ports in wallplates and housings for future expansion



COLOR CHOICES

To order colors, add suffix to Cat No.

White (-W) | Ivory (-I) | Almond (-A) | Lt. Almond (-T) | Grey (-G) | Black (-E) | Brown (-B)

DECORA HIGH DEFINITION INSERTS

Description	White	Ivory	Almond	Lt. Almond	Grey	Black	Brown
[A] HDMI Decora Insert, feedthrough	41647-00W	41647-00I					
[B] DVI Decora Insert, feedthrough	41648-00W	41648-00I					

QUICKPORT A/V CONNECTORS & ADAPTERS

Description	White	Ivory	Almond	Lt. Almond	Grey	Black	Brown
[C] S-Video Connector, feedthrough	40734-CVW	40734-CVI					
[D] S-Video Adapter, 110-termination	40734-SVW	40734-SVI	40734-SVA	40734-SVT	40734-SVG	40734-SVE	
[E] BNC Connector, nickel-plated, feedthrough	41084-BWF	41084-FIF	41084-BAF	41084-BTF	41084-BGF	41084-BEF	
[F] BNC Connector, gold-plated, feedthrough	40832-0BW	40832-0BI	40832-0BA	40832-0BT			
[G] Binding Post Connector w/red stripe, feedthrough	40833-BWR	40833-BIR	40833-BAR	40833-BTR		40833-BER	40833-BBR
[H] Binding Post Connector w/black stripe, feedthrough	40833-BWE	40833-BIE	40833-BAE	40833-BTE		40833-BEE	40833-BBE
[I] Banana Jack Connector w/ black stripe, feedthrough	40837-BWE	40837-BIE	40837-BAE	40837-BTE			
[J] Banana Jack Connector w/red stripe, feedthrough	40837-BWR	40837-BIR	40837-BAR	40837-BTR			
[K] 3.5mm QuickPort Stereo Adapter, screw terminal	40839-SWS	40839-SIS					
[L] Blank Insert (pack of 10)	41084-BWB	41084-BIB	41084-BAB	41084-BTB	41084-BGB	41084-BEB	41084-BBB

Feedthrough & 110-Style, RCA & F-Connectors

Leviton carries a comprehensive selection of RCA and F-connectors in both feedthrough and 110-Style. Body colors match Leviton housings; barrel colors are industry standard.

Specifications and Features

RCA Connectors

- Standard identification colors for component and composite video
- Ideal for advanced audio

F-Connectors

- Coax connectors ideal for satellite and cable feed
- Nickel plating for signals up to 1GHz; gold plating for signals up to 2.5 GHz


A


B


C


D

FEEDTHROUGH RCA & F CONNECTORS (FOR COAX CABLE)

Description	White	Ivory	Almond	Lt. Almond	Grey	Black	Brown
[A] RCA Connector, gold-plated w/black stripe, feedthrough	40830-BWE	40830-BIE	40830-BAE	40830-BTE	40830-BGE	40830-BEE	40830-BBE
RCA Connector, gold-plated w/red stripe, feedthrough	40830-BWR	40830-BIR	40830-BAR	40830-BTR	40830-BGR	40830-BER	40830-BBR
RCA Connector, gold-plated w/yellow stripe, feedthrough	40830-BWY	40830-BIY	40830-BAY	40830-BTY			
RCA Connector, gold-plated w/green stripe, feedthrough	40830-BWV	40830-BIV					
RCA Connector, gold-plated w/blue stripe, feedthrough	40830-BWL	40830-BIL					
[B] F-Connector, nickel-plated, feedthrough	41084-FWF	41084-FIF	41084-FAF	41084-FTF	41084-FGF	41084-FEF	41084-FBF
[C] F-Connector, gold-plated, feedthrough	40831-0BW	40831-0BI	40831-0BA	40831-0BT			

110-STYLE RCA CONNECTORS (FOR UTP APPLICATIONS)

Description	White	Ivory	Almond	Lt. Almond	Grey	Black	Brown
[D] RCA Connector, gold-plated w/red barrel, 110 termination	40735-RRW	40735-RRI	40735-RRA	40735-RRT	40735-RRG	40735-RRE	
RCA Connector, gold-plated w/white barrel, 110 termination	40735-RWW	40735-RWI	40735-RWA	40735-RWT	40735-RWG	40735-RWE	
RCA Connector, gold-plated w/yellow barrel, 110 termination	40735-RYW	40735-RYI	40735-RYA	40735-RYT	40735-RYG	40735-RYE	
RCA Connector, gold-plated w/green barrel, 110 termination	40735-RVW	40735-RVI					
RCA Connector, gold-plated w/blue barrel, 110 termination	40735-RLW	40735-RLI					
RCA Connector, gold-plated w/orange barrel, 110 termination	40735-ROW	40735-ROI	40735-R0A	40735-ROT	40735-ROG	40735-ROE	

Compression, Crimp-On & Twist-On, RCA & F-Connectors

Leviton's compression, crimp-on, and twist-on connectors are ideal for more specialized A/V applications. Compression connectors available stand alone or with QuickPort housings, offer an airtight seal and secure fitting for increased cable retention. Crimp-on and twist-on connectors are an economical solution for less demanding applications.

Specifications and Features

RCA Connectors

- RCA Compression connectors include six color rings for signal identification
- RCA Compression connectors offer high quality installations using RG-6 Quad Shield cable

F-Connectors

- Compression F-connectors offer high quality installations using quad shield cable
- RG-6 connectors available in one- and two-piece twist- and crimp-on styles



A



B



C



D



E, F, G



H, I



J, K

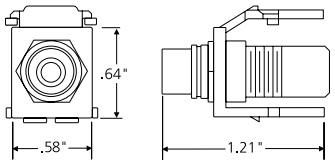
COMPRESSION, CRIMP-ON & TWIST-ON RCA & F CONNECTORS

Descritpion	RG-59 Cable	RG-6 Cable	RG-6 Quad Shield
QuickPort RCA Compression Connector w/ red barrel, white housing			40782-RRW
QuickPort RCA Compression Connector w/ black barrel, white housing			40782-REW
QuickPort RCA Compression Connector w/ yellow barrel, white housing			[A] 40782-RYW
QuickPort RCA Compression Connector w/ blue barrel, white housing			40782-RLW
QuickPort RCA Compression Connector w/ green barrel, white housing			40782-RVW
RCA Compression Connector (colored rings included)			[B] 40985-CRU
QuickPort Compression F-Connector, white housing			[C] 40782-CPF
Compression F-Connector (colored rings included)			[D] 40985-CPF
F-Connectors, one-piece crimp-on (bag of 100)	[E] 40985-1P9	[F] 40985-1P6	[G] 40985-0Q6
F-Connectors, two-piece crimp-on (bag of 100)	[H] 40985-2P9	[I] 40985-2P6	
F-Connectors, twist-on (bag of 100)	[J] 40985-TW9	[K] 40985-TW6	

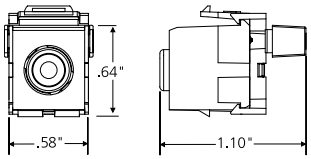
All adapters and connectors meet or exceed industry standards and are UL Listed.

Related Products
Leviton offers a full line of Master Compression and Crimping Tools.
See page 421 for more information.

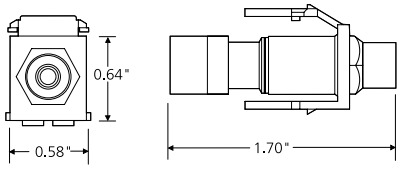
DIMENSIONS



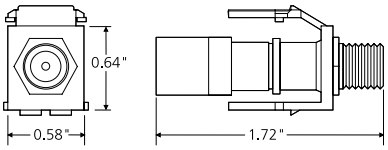
RCA Connector
40830-B**



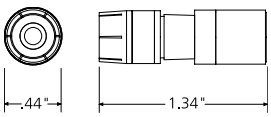
RCA Connector, 110 termination
40735-R**



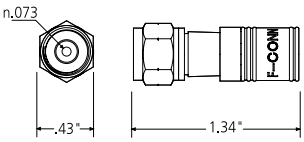
QuickPort RCA Compression Connector
40782-R*W



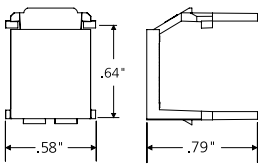
QuickPort F-Connector, Compression
40782-CPF



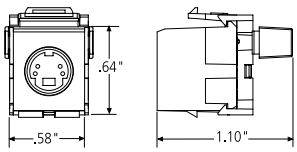
RCA Connector, Compression
40985-CRU



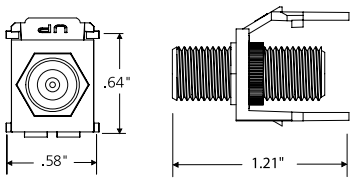
F-Connector, Compression
40985-CPF



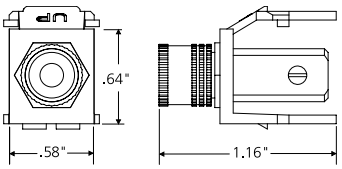
Blank Insert
41084-B*B



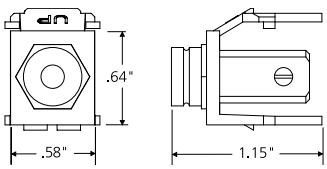
S-Video Adapter
40734-SV*



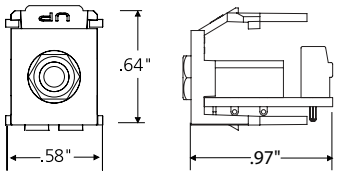
F-Connector
41084-F*F, 40831-0B*



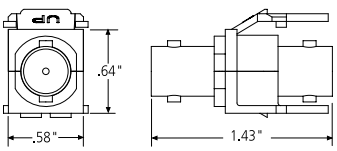
Binding Post Connector
40833-B**



Banana Jack Connector
40837-B**



3.5mm QuickPort Stereo Adapter
40839-S*S



BNC Connector
41084-B*F & 40832-0B*

FastCAM® Pre-Polished Fiber Connectors

Factory polished field-installable connectors to provide precision termination of single-mode and multimode fiber. Available in LC, ST and SC style cables with standard single-mode and standard multimode or laser-optimized multimode fiber options.

Specifications and Features

- Pre-polished, field-installable connectors
- Use precision zirconia ferrules
- Require no polishing or epoxy curing; provide immediate termination
- Designed for data center and other applications that require fast network deployment
- Precision mechanical termination uses molded v-groove technology to retain and align the fiber
- Available in 250µm or 900µm connector termination for ST
- Available in 250µm, 900µm, or 2/3 µm connector termination for LC and SC
- Available in multimode, laser optimized multimode, and single-mode connector styles
- NEW — Higher yields with Visual Fault Locator (VFL) compatible LC and SC Connectors



A-D



E-G



H-K

FASTCAM CONNECTORS - 1 PER BAG

Description	Cat. No.
[A] FastCAM SC Single-mode Connector, blue	49991-SSC
[B] FastCAM SC, 50/125µm laser optimized, Multimode Connector, aqua	49991-LSC
[C] FastCAM SC, 62.5/125µm Multimode Connector, beige	49991-MSC
[D] FastCAM SC, 50/125µm Multimode Connector, black	49991-5SC
[E] FastCAM ST, 50/125µm Multimode Connector, black	49991-5ST
[F] FastCAM ST, Single-mode Connector, blue	49991-SST
[G] FastCAM ST, 62.5/125µm Multimode Connector, beige	49991-MST
[H] FastCAM LC Single-mode Connector, blue	49991-SLC
[I] FastCAM LC, 50/125µm laser optimized, Multimode Connector, aqua	49991-LLC
[J] FastCAM LC, 62.5/125µm Multimode Connector, beige	49991-MLC
[K] FastCAM LC, 50/125µm Multimode Connector, black	49991-5LC

Thread-Lock® Reusable Fiber Connectors

Specifications and Features

- Mechanical style field installable connectors
- Hand polishing required
- For inside plant applications
- Connectors are reusable
- Available in ST and SC connector styles
- Available in multimode or single-mode versions

THREAD-LOCK FIBER CONNECTORS

Description	Cat. No. Single-mode	Cat. No. Multimode
[L] SC Thread-Lock Connector	49884-SSC (blue)	49884-MSC (beige)
[M] ST Thread-Lock Connector	49882-SST	49882-MST



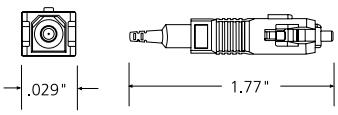


THREAD-LOCK ACCESSORIES

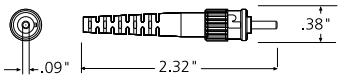
Description	Cat. No.
[N] SC Duplex Clip for Thread-Lock Connector, black (bag of 25)	49884-DPC
[O] Silicon Build-up Sleeve Kit, includes one of each type (bag of 10)	49885-SBS
Nylon Retention Sleeve (bag of 10)	49855-SLV



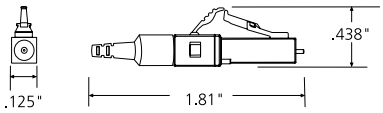
DIMENSIONS



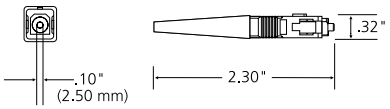
SC FastCAM Connector
49991-*SC



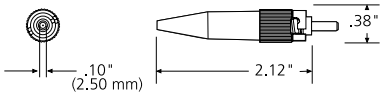
ST FastCAM Connector
49991-*ST



LC FastCAM Connector
49991-*LC



SC Thread-Lock Connector
49884-*SC

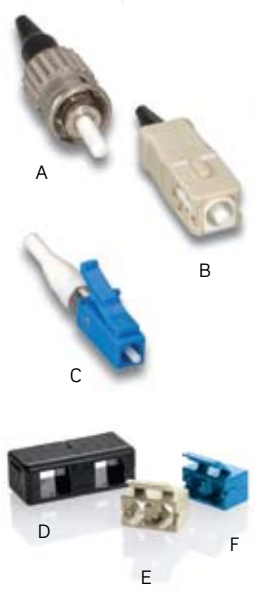


ST® Thread-Lock Connector
49882-*ST

Fast-Cure® Adhesive Connectors

Specifications and Features

- Anaerobic adhesive-style, field installable connectors
- Hand polishing required
- Most robust connection, ideal for outside plant applications
- Available in ST, SC and LC connector styles
- Available in multimode and single-mode versions



FAST-CURE ADHESIVE CONNECTORS

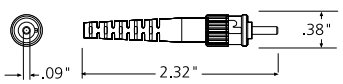
Description	Cat. No. *Single-mode	Cat. No. Multimode
[A] ST Fast Cure Connector	49990-SST	49990-MST
[B] SC Fast Cure Connector	49990-SSC (blue)	49990-MSC (beige)
[C] LC Fast Cure Connector with 3mm boot	49990-SL2 (blue)	49990-ML2 (beige)
LC Fast Cure Connector with .9mm boot	49990-SDL (blue)	49990-MDL (beige)

FAST-CURE ACCESSORIES

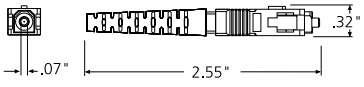
Description	Cat. No. Single-mode	Cat. No. Multimode
[D] SC Duplex Clip for Fast Cure Connector, black (bag of 25)	—	49886-DSC
[E] LC Duplex Clip for Fast Cure Connector, beige (bag of 25)	—	49886-DLM
[F] LC Duplex Clip for Fast Cure Connector, blue (bag of 25)	49886-DLS	—

*Use for LOMM applications

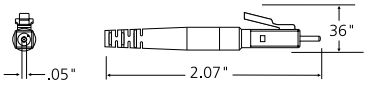
DIMENSIONS



ST Fast-Cure Connector
49990-*ST



SC Fast-Cure Connector
49990-*SC



LC Fast-Cure Connector
49990-*L2 & 49990-*DL

QuickPort® Fiber Adapters

These adapters bring Thread-Lock and Fast-Cure fiber to any QuickPort wallplate or housing. SC, ST and LC adapters, in various colors.

Specifications and Features

- Adapters snap into all wallplates with QuickPort openings and Multimedia Outlet System (MOS) housings
- Tool-free plug and play installation
- ST, SC, or LC adapter styles
- Offered with precision phosphor bronze or zirconia alignment sleeve

COLOR CHOICES

To order colors, add suffix to Cat No.

White (-W)	Ivory (-I)	Almond (-A)	Grey (-G)	Black (-E)	Brown (-B)

FIBER ADAPTERS

Description	Cat. No.
[A] QuickPort ST Fiber Optic Adapter, MM, Phos. Bronze Sleeve	41084-S*F
QuickPort ST Fiber Optic Adapter, SM/MM, Zirconia Sleeve	41084-S*Z
[B] QuickPort Multimode Simplex SC Adapter Module, Phos Bronze, Female Front/Back†	41085-M*C
QuickPort Singlemode/Multimode (10G LOMM) Simplex SC Adapter Module, Zirconia Ceramic, Female Front/Back	41085-S*C
[C] QuickPort Duplex LC Adapter, MM, Phos. Bronze Sleeve, Female Front/Back, Beige	41085-ML*
QuickPort Duplex LC Adapter, SM/MM, (10G LOMM) Zirconia Ceramic Sleeve, Female Front/Back, Blue	41085-SL*
QuickPort MTP Adapter, SM/MM	41085-TP*

† Not for use with 10G LOMM


A


B


C

Quickport® Decora® Multimedia Inserts

Specifications and Features

QuickPort Decora & Duplex inserts

- Combine voice, data, and A/V connectors in popular Decora and duplex wallplate formats
- Decora inserts are compatible with Decora and Decora Plus wallplates

QuickPort floor box assemblies

- Combine voice, data and A/V connectors in convenient in-floor locations
- Floor box assemblies include brass faceplate and screw cap
- Inserts and connectors are ivory



A B C D E F G H

QUICKPORT DECORA MULTIMEDIA INSERTS

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[A] 6-Port Insert	41646-00W	41646-00I	41646-00A	41646-00T	41646-0GY	41646-00E	41646-00B
[B] 4-Port Insert	41644-00W	41644-00I	41644-00A	41644-00T	41644-0GY	41644-00E	41644-00B
[C] 3-Port Insert	41643-00W	41643-00I	41643-00A	41643-00T	41643-0GY	41643-00E	41643-00B
[D] 2-Port Insert	41642-00W	41642-00I	41642-00A	41642-00T	41642-0GY	41642-00E	41642-00B
[E] 1-Port Insert	41641-00W	41641-00I	41641-00A	41641-00T	41641-0GY	41641-00E	41641-00B
Blank Insert	80414-00W	80414-00I	80414-00A	80414-00T	80414-0GY	80414-00E	80414-000

QUICKPORT DECORA TYPE 106 DUPLEX INSERTS

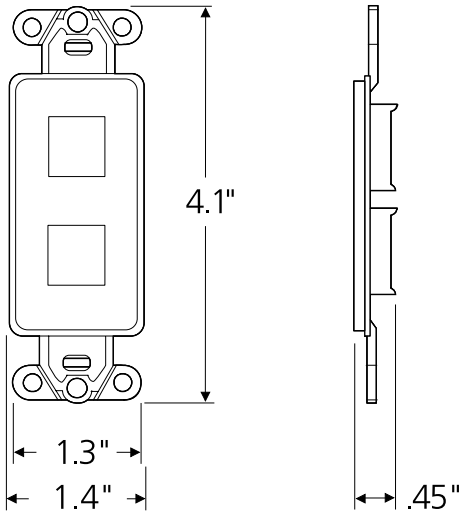
Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[F] 2-Port Duplex Insert	41087-2WP	41087-2IP		41087-2TP	41087-2GP	41087-2EP	
[G] 4-Port Duplex Insert	41087-QWP	41087-QIP		41087-QTP	41087-QGP	41087-QEP	

QUICKPORT® FLOOR BOX INSERTS W/ BRASS PLATE AND SCREW CAP

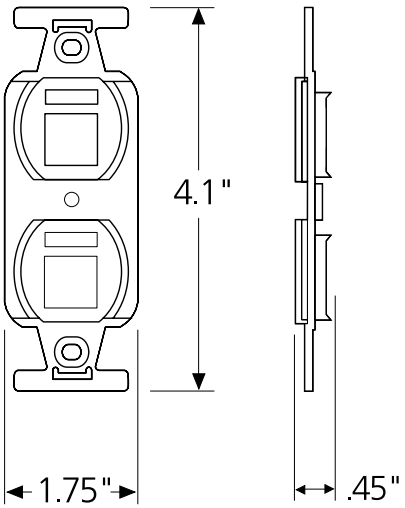
Description	Cat. No.
Floor Box Assembly, one F-connector module, one blank module	41650-00F
Floor Box Assembly, one 6P6C connector, one blank module	41650-006
Floor Box Assembly, one blank module	41652-000
[H] Floor Box Assembly, two 6P6C connectors	41650-006
Floor Box Assembly, one 6P6C connector, one F-connector module	41650-00F

Related Products
For Decora®-style F-connector and Telephone Wall Jack Inserts see page 313.

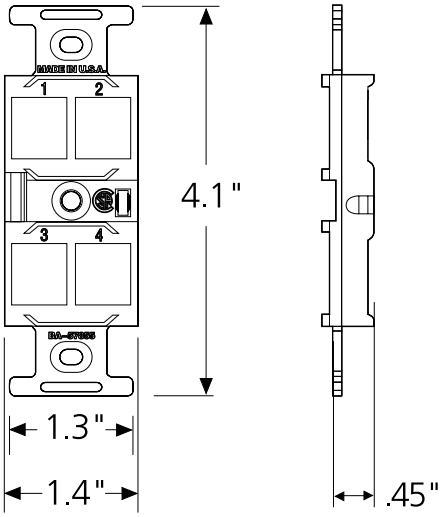
DIMENSIONS



QuickPort Decora Multimedia Inserts
4164*-00* & 80414-0**



QuickPort Duplex 106 Insert
41087-2*P



QuickPort Quad 106 Insert
41087-Q*P

Commercial Grade

QuickPort® Standard Plastic Wallplates

Specifications and Features

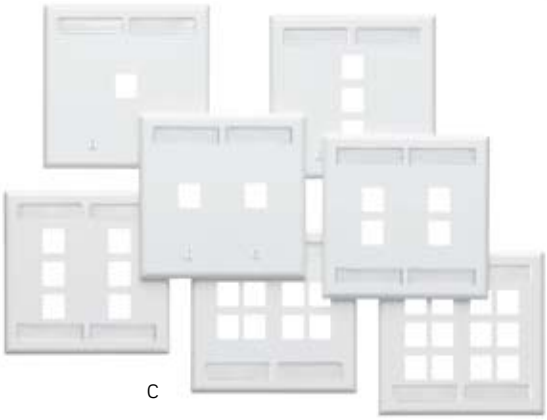
- Compatible with all QuickPort connectors
- Manufactured from high quality ABS plastic for superior resistance to impacts, chemicals and solvents
- Single-gang with or without ID windows
- Dual-gang with ID windows
- A variety of color choices, with color-matched screws
- cULus listed, fire-retardant material rated UL 94V-0



A



B



C

QUICKPORT SINGLE-GANG WALLPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[A] 6-Port Wallplate	41080-6WP	41080-6IP	41080-6AP	41080-6TP	41080-6GP	41080-6EP	41080-6BP
4-Port Wallplate	41080-4WP	41080-4IP	41080-4AP	41080-4TP	41080-4GP	41080-4EP	41080-4BP
3-Port Wallplate	41080-3WP	41080-3IP	41080-3AP	41080-3TP	41080-3GP	41080-3EP	41080-3BP
2-Port Wallplate	41080-2WP	41080-2IP	41080-2AP	41080-2TP	41080-2GP	41080-2EP	41080-2BP
1-Port Wallplate	41080-1WP	41080-1IP	41080-1AP	41080-1TP	41080-1GP	41080-1EP	41080-1BP

QUICKPORT SINGLE-GANG WALLPLATES WITH ID WINDOWS

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[B] 6-Port Wallplate	42080-6WS	42080-6IS	42080-6AS	42080-6TS	42080-6GS	42080-6ES	—
4-Port Wallplate	42080-4WS	42080-4IS	42080-4AS	42080-4TS	42080-4GS	42080-4ES	—
3-Port Wallplate	42080-3WS	42080-3IS	42080-3AS	42080-3TS	42080-3GS	42080-3ES	—
2-Port Wallplate	42080-2WS	42080-2IS	42080-2AS	42080-2TS	42080-2GS	42080-2ES	—
1-Port Wallplate*	42080-1WS	42080-1IS	42080-1AS	42080-1TS	42080-1GS	42080-1ES	—

*Single-Gang 1-Port Wallplates only have one ID window on top.

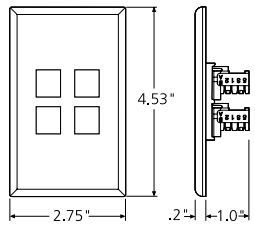
QUICKPORT® DUAL-GANG WALLPLATES WITH ID WINDOWS

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[C] 12-Port Wallplate	42080-12W	42080-12I	42080-12A	42080-12T	42080-12G	42080-12E	—
8-Port Wallplate	42080-8WP	42080-8IP	42080-8AP	42080-8TP	42080-8GP	42080-8EP	—
6-Port Wallplate	42080-6WP	42080-6IP	42080-6AP	42080-6TP	42080-6GP	42080-6EP	—
4-Port Wallplate	42080-4WP	42080-4IP	42080-4AP	42080-4TP	42080-4GP	42080-4EP	—
3-Port Wallplate	42080-3WP	42080-3IP	42080-3AP	42080-3TP	42080-3GP	42080-3EP	—
2-Port Wallplate†	42080-2WP	42080-2IP	42080-2AP	42080-2TP	42080-2GP	42080-2EP	—
1-Port Wallplate†	42080-1WP	42080-1IP	42080-1AP	42080-1TP	42080-1GP	42080-1EP	—

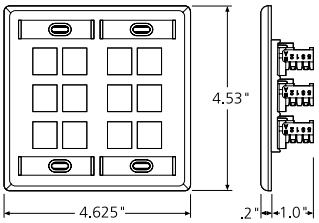
†Dual-Gang 1- and 2-Port Wallplates only have two ID windows on top.

Related Products
Wallplates are sold empty. See page 313 for QuickPort Connectors.

DIMENSIONS



QuickPort Single-Gang Wallplates
41080-**P, 42080-**S



QuickPort Dual-Gang Wallplates
42080-**P, 42080-12*

QuickPort® Wallplates — Special Configurations

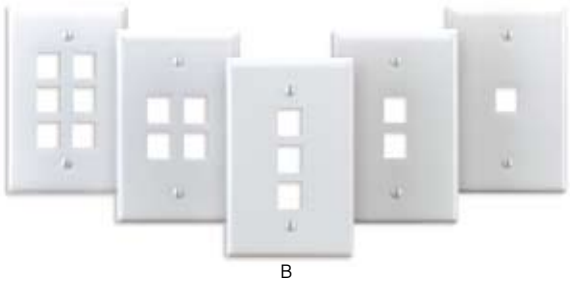
Specifications and Features

QuickPort angled, midsize & large connector wallplates

- Compatible with all QuickPort connectors
- Angled and large connector wallplates are high quality ABS plastic for superior resistance to impacts, chemicals and solvents
- Midsize wallplates are durable nylon with a smooth finish and help to hide irregular drywall cuts or flaws around outlets
- QuickPort wallplates for large connectors are ideal for use with larger-sized shielded connectors
- Angled wallplates facilitate optimal cable management and ensure proper bend radius in front and back of connector
- cULus listed, fire-retardant material rated UL 94V-0



A



B



C

QUICKPORT ANGLED SINGLE-GANG WALLPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[A] 4-Port Wallplate	41081-4WP	41081-4IP	—	41081-4TP	—	—	—
2-Port Wallplate	41081-2WP	41081-2IP	—	41081-2TP	—	—	—
4-Port Wallplate w/ ID Windows	42081-4WS	42081-4IS	—	42081-4TS	—	—	—
2-Port Wallplate w/ ID Windows	42081-2WS	42081-2IS	—	42081-2TS	—	—	—

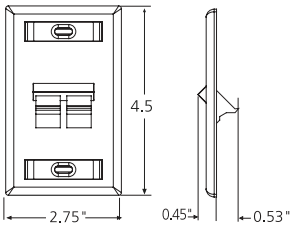
QUICKPORT MIDSIZE SINGLE-GANG WALLPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[B] 6-Port Wallplate	41091-6WN	41091-6IN	41091-6AN	41091-6TN	—	—	41091-6BN
4-Port Wallplate	41091-4WN	41091-4IN	41091-4AN	41091-4TN	—	—	41091-4BN
3-Port Wallplate	41091-3WN	41091-3IN	41091-3AN	41091-3TN	—	—	41091-3BN
2-Port Wallplate	41091-2WN	41091-2IN	41091-2AN	41091-2TN	—	—	41091-2BN
1-Port Wallplate	41091-1WN	41091-1IN	41091-1AN	41091-1TN	—	—	41091-1BN

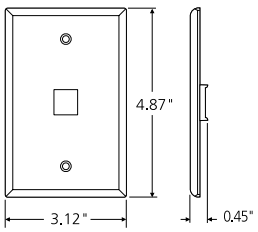
QUICKPORT® SINGLE-GANG WALLPLATES FOR LARGE CONNECTORS

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Almond	Cat. No. Lt. Almond	Cat. No. Grey	Cat. No. Black	Cat. No. Brown
[C] 4-Port Wallplate	41080-4WL	41080-4IL	—	41080-4TL	—	—	—
2-Port Wallplate	41080-2WL	41080-2IL	—	41080-2TL	—	—	—
4-Port Wallplate w/ ID Windows	42080-4WL	42080-4IL	—	42080-4TL	—	—	—
2-Port Wallplate w/ ID Windows	42080-2WL	42080-2IL	—	42080-2TL	—	—	—

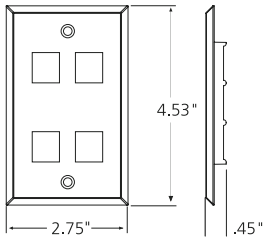
DIMENSIONS



QuickPort Angled Single-Gang Wallplates
41081-**P, 42081-**S



QuickPort Midsize Wallplates
41091-**N



QuickPort Single-Gang Wallplates For Large Connectors
41080-**L, 42080-**L

QuickPort® Stainless Steel Wallplates

Specifications and Features

- Compatible with all QuickPort connectors
- Manufactured from 304 stainless steel in a brushed finish to provide corrosion resistance in a non-magnetic material
- Available in single-and-dual-gang, with or without ID windows
- Wall Phone Wallplates are available in flush and recessed options to accommodate various phone styles
- cULus listed



A

QUICKPORT SINGLE-GANG STAINLESS STEEL WALLPLATES

Description	Cat. No. [A] Standard	Cat. No. [B] w/ ID Window
6-Port Wallplate	43080-1S6	43080-1L6
4-Port Wallplate	43080-1S4	43080-1L4
3-Port Wallplate	43080-1S3	43080-1L3
2-Port Wallplate	43080-1S2	43080-1L2
1-Port Wallplate	43080-1S1	43080-1L1



B

QUICKPORT DUAL-GANG STAINLESS STEEL WALLPLATES

Description	Cat. No. [A] Standard	Cat. No. [B] w/ ID Window
12-Port Wallplate	43080-S12	43080-L12
8-Port Wallplate	43080-2S8	43080-2L8
6-Port Wallplate	43080-2S6	43080-2L6
4-Port Wallplate	43080-2S4	43080-2L4
2-Port Wallplate	43080-2S2	43080-2L2



C

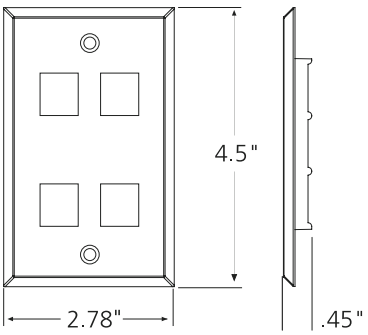
QUICKPORT STAINLESS STEEL WALL PHONE WALLPLATES

Description	Cat. No.
[C] Stainless Steel Wall Phone Wallplate	4108W-0SP
Stainless Steel Wall Phone Wallplate, recessed	4108W-1SP

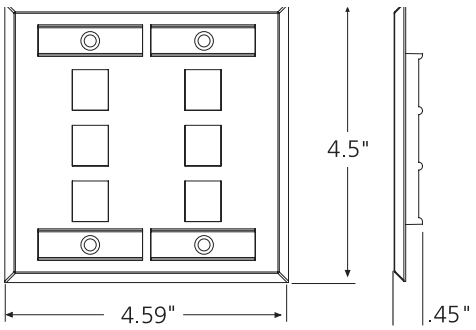
Related Products

Wallplates are sold empty. **See page 313 for QuickPort Connectors and page 314 for Voice-Grade Wall Phone Jacks.**

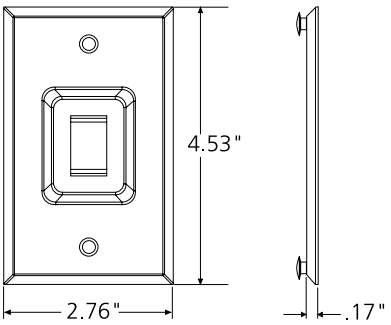
DIMENSIONS



QuickPort® Single-Gang
Stainless Steel Wallplates
43080-1S*, 43080-1L*



QuickPort Dual-Gang
Stainless Steel Wallplates
43080-2S*, 43080-2L*



QuickPort Stainless Steel Wall
Phone Wallplates
4108W-*SP



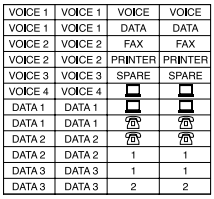
51084-ICN



51084-CLB



41080-IDW



VOICE 1	VOICE 1	VOICE	VOICE
VOICE 1	VOICE 1	DATA	DATA
VOICE 2	VOICE 2	FAX	FAX
VOICE 2	VOICE 2	PRINTER	PRINTER
VOICE 3	VOICE 3	SPARE	SPARE
VOICE 4	VOICE 4		
DATA 1	DATA 1		
DATA 1	DATA 1		
DATA 2	DATA 2		
DATA 2	DATA 2	1	1
DATA 3	DATA 3	1	1
DATA 3	DATA 3	2	2

41080-LEB

WORK AREA LABELING SOLUTIONS

Description	Cat. No.
QuickPort Shutter Kit (50 Shutters)	51084-ICN
White Label Kit	51084-XLB
Color Label Kit*	51084-CLB
Labels & Windows for Wallplates & Housings	41080-IDW
Pre-printed Port Labels, white ink	41080-LWB
Pre-printed Port Labels, black ink	41080-LEB

*** Color Label Kit includes grey, orange, red, yellow, green, blue, purple, and brown (2 sheets of each color).**

Commercial Grade

Excella™ British Standard Wallplates

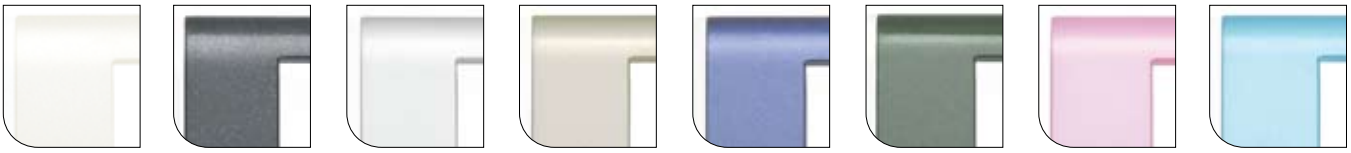
Specifications and Features

- Available in 1-, 2-, and 4-port flat and 1- and 2-port angled configurations
- Designation windows included for all 1- and 2-port wallplates
- 86 mm x 86 mm size conforms to BS 4662 and BS 5733 electrical box standards
- Wallplates ship with white wallplate frame
- Accepts all QuickPort® connectors

Excella colored wallplate frames

- Optional colored frames available as accessories.
- Wallplate frames sold separately, QuickPort inserts not included

COLOR CHOICES



Pearl Yellow | Piano Black | Glossy Silver | Champaign Gold | Navy Blue | Metallic Green | Hot Pink | Sky Blue



A | B | C | D | E

EXCELLA WALLPLATES

Description	Cat. No.
[A] QuickPort Wallplate w/ ID Window, 1-port, empty	BL186-P1W
[B] QuickPort Wallplate w/ ID Window, 2-port, empty	BL186-P2W
[C] QuickPort Wallplate, 4-port, empty	BL186-P4W
[D] QuickPort Angled Wallplate w/ ID Window, 1-port, empty	BL186-A1W
[E] QuickPort Angled Wallplate w/ ID Window, 2-port, empty	BL186-A2W
Blank Wallplate	BL000-00W

EXCELLA METALLIC WALLPLATE FRAMES

Description	Cat. No.
Wallplate Frame, pearl yellow	BLWP1-PEY
Wallplate Frame, piano black	BLWP1-PIB
Wallplate Frame, glossy silver	BLWP1-GSS
Wallplate Frame, champaign gold	BLWP1-CHG
Wallplate Frame, navy blue	BLWP1-NVB
Wallplate Frame, metallic green	BLWP1-MEG
Wallplate Frame, hot pink	BLWP1-HTP
Wallplate Frame, sky blue	BLWP1-SKB

Related Products
Wallplates sold empty. **See pages 313 for QuickPort Connectors.**

Modular Furniture Products

Specifications and Features

Faceplates

- QuickPort® Modular Furniture Faceplates accept all QuickPort Connectors and snap easily and snugly into standard modular furniture
- Front-load installation of module ensures simple moves, adds, and changes without removing the furniture channel cover
- Faceplates are cULus Listed

Brackets

- Modular Furniture Brackets are used to install QuickPort Surface Mount Boxes or Wallplates with back boxes in many types of modular offices
- Brackets are made from cold-rolled steel, and snap securely into modular partitions
- A cutout allows rear cable entry for a clean, uncluttered look and tangle-free installation

MODULAR FURNITURE FACEPLATES

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Grey	Cat. No. Black
2-Port Standard Depth	49910-SW2	49910-SI2	49910-SG2	49910-SE2
[A] 4-Port Standard Depth w/ 1 QuickPort Blank	49910-SW4	49910-SI4	49910-SG4	49910-SE4
4-Port Extended Depth w/ 1 QuickPort Blank	49910-EW4	49910-EI4	49910-EG4	49910-EE4
2-Port Herman Miller	49910-HW2	49910-HI2	49910-HG2	49910-HE2
[B] 4-Port Herman Miller w/ 1 QuickPort Blank	49910-HW4	49910-HI4	49910-HG4	49910-HE4


A

MODULAR FURNITURE BRACKETS

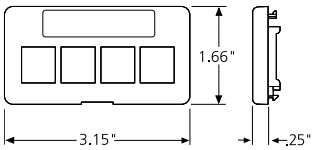
Description	Cat. No.
[C] Steelcase 9000®, Haworth, Knoll®, Allsteel®, Westinghouse®, and Teknion®	49222-BLK
[D] Herman Miller Ethospace® and Steelcase Avenir®	49222-ESP
[E] Herman Miller Action Office®	49222-HAO


B

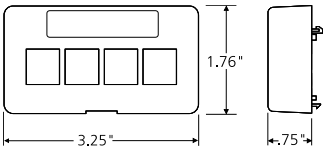

C-E

Standard Modular Furniture Faceplates above fit openings of approximately 1.38" x 2.63".
4-port Extended Plate provides 1/2" added depth (3/4" total) for installation into shallow raceway channels, e.g., some powered channels.
Herman Miller faceplates above fit openings of approximately 1.88" x 2.98".
Standard and Extended Depth Faceplates are compatible when used with Herman Miller G1189A Reducer available from Herman Miller dealers.

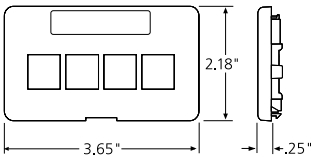
DIMENSIONS



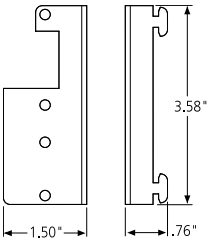
2- & 4-Port Standard
Modular Faceplate
(fits opening approx. 1.38" x 2.63")
49910-S**



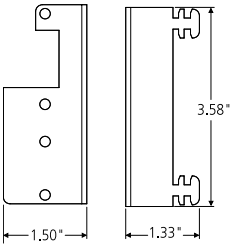
4-Port Extended Depth
Modular Faceplate
(fits opening approx. 1.38" x 2.63")
49910-E*4



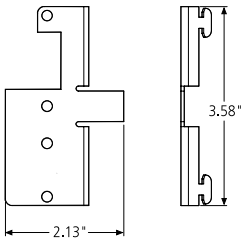
Herman Miller 2- & 4-Port
Modular Faceplate
(fits opening approx. 1.88" x 2.98")
49910-H**



Brackets for Steel Case 9000®,
Haworth®, Knoll Morrison®,
Allsteel® & Westinghouse®
49222-BLK



Bracket for Herman Miller
Ethospace® & Steelcase Avenir®
49222-ESP



Bracket for Herman Miller Action Office®
49222-HAO

DuraPort® Industrial Connectivity

Moisture, dust, corrosion, acids, detergents, oils, and vibration – each presents a serious threat to network connectivity, especially with repeated exposure. Defeat these threats with patent pending DuraPort Industrial Connectivity products, Leviton's IP67-rated line of connector housings, patch cords, and wallplates.

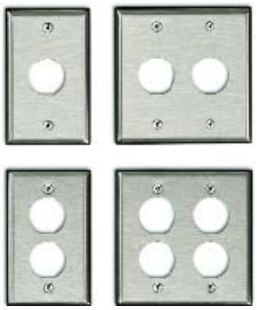
DURAPORT INDUSTRIAL CONNECTOR HOUSINGS

Description	Cat. No.
[A] CAT 6 Industrial Connector Housing w/Connector Cap	D6706-00E
CAT 5e+ Industrial Connector Housing w/Connector Cap	D675E-00E
Connector Cap (connector and housing not included)	D6701-00E
Housing w/Connector Cap	D6700-00E


A

DURAPORT INDUSTRIAL STAINLESS STEEL WALLPLATES

Description	Cat. No.
[B] Industrial Wallplate, S/S, 1-Port, Single-Gang	D6710-1S1
[C] Industrial Wallplate, S/S, 2-Port, Single-Gang	D6710-1S2
[D] Industrial Wallplate, S/S, 2-Port, Dual-Gang	D6710-2S2
[E] Industrial Wallplate, S/S, 4-Port, Dual-Gang	D6710-2S4


B - E

DURAPORT INDUSTRIAL PATCH CORDS, CAT 6

Description	Cat. No.
[F] Industrial Plug-to-Industrial Plug, 3-ft	D6720-03E
Industrial Plug-to-Industrial Plug, 5-ft	D6720-05E
Industrial Plug-to-Industrial Plug, 7-ft	D6720-07E
Industrial Plug-to-Industrial Plug, 10-ft	D6720-10E
Industrial Plug-to-Industrial Plug, 15-ft	D6720-15E
Industrial Plug-to-Industrial Plug, 20-ft	D6720-20E
[G] Industrial Plug-to-RJ45 Plug, 3-ft	D6721-03E
Industrial Plug-to-RJ45 Plug, 5-ft	D6721-05E
Industrial Plug-to-RJ45 Plug, 7-ft	D6721-07E
Industrial Plug-to-RJ45 Plug, 10-ft	D6721-10E
Industrial Plug-to-RJ45 Plug, 15-ft	D6721-15E
Industrial Plug-to-RJ45 Plug, 20-ft	D6721-20E


F

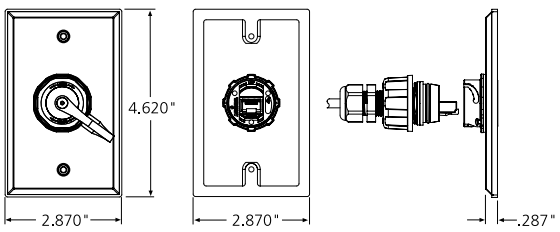

G

DURAPORT INDUSTRIAL OUTLET KITS

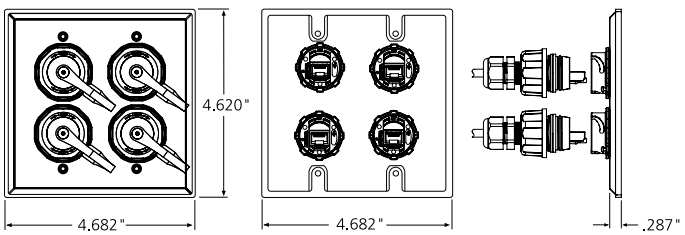
Description	Cat. No.
Industrial Outlet Kit, S/S, 1-Port, Single-Gang	D670K-1S1
[H] Industrial Outlet Kit, S/S, 2-Port, Single-Gang	D670K-1S2
Industrial Outlet Kit, S/S, 2-Port, Dual-Gang	D670K-2S2
[I] Industrial Outlet Kit, S/S, 4-Port, Dual-Gang	D670K-2S4


H - I

DIMENSIONS



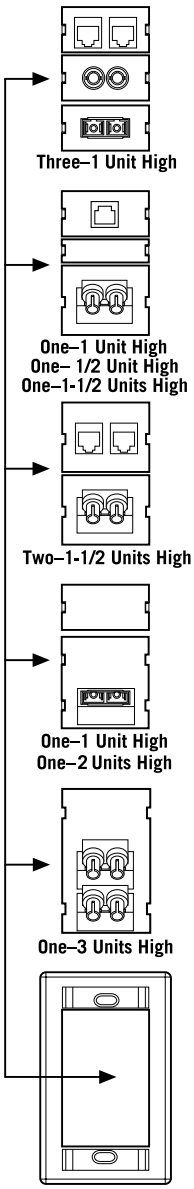
Industrial Outlet Kit, Single-Gang
D670K-1S*



Industrial Outlet Kit, Dual-Gang
D670K-2S*

QuickPort® Multimedia Outlet System (MOS)

Styles
Configurations for MOS Wallplates




A


B


C


D

MOS SURFACE MOUNT BOX AND WALLPLATE HOUSINGS

Description		White	Ivory	Lt. Almond	Grey	Black
[A]	Single-Gang Wallplate	41290-SMW	41290-SMI	41290-SMT	41290-SMG	41290-SME
[B]	Dual-Gang Wallplate	41290-DMW	41290-DMI	41290-DMT	41290-DMG	41290-DME
[C]	Surface Mount Box	41296-MMW	41296-MMI	41296-MMT	41296-MMG	41296-MME
[D]	Storage/Spacer Ring	41290-DRW	41290-DRI		41290-DRG	41290-DRE


E


F


G


H


I


J


K


L

MOS A/V CONNECTOR MODULES (ALL MODULES ARE 1 UNIT HIGH)

Description		White	Ivory	Lt. Almond	Grey	Black
	RCA Module, 2-Port (red only), screw terminal	41291-1RW	41291-1RI	41291-1RT	41291-1RG	41291-1RE
[E]	RCA Module, 3-Port (red, black, yellow), feedthrough	41292-3RW	41292-3RI	41292-3RT	41292-3RG	41292-3RE
[F]	RCA Module, 3-Port (red, blue, green), 110 termination	41292-DVW	41292-DVI			
[G]	RCA Module, 3-Port (red, white, yellow), 110 termination	41292-AVW	41292-AVI			
[H]	S-Video Module, 1-port, screw terminal	41291-1VW	41291-1VI	41291-1VT	41291-1VG	41291-1VE
[I]	HD-15 Module, feedthrough	41293-HDW	41293-HDI	41293-HDT	41293-HDG	41293-HDE
[J]	HD-15 Module, screw terminal	41295-HDW	41295-HDI			
[K]	DB connector Module, empty	41291-DBW	41291-DBI	41291-DBT	41291-DBG	41291-DBE
[L]	HDMI Module, Feed Through	41290-HDW	41290-HDI			

COLOR CHOICES

To order colors, add suffix to Cat No.


White (-W)


Ivory (-I)


Lt. Almond (-T)


Grey (-G)


Black (-E)

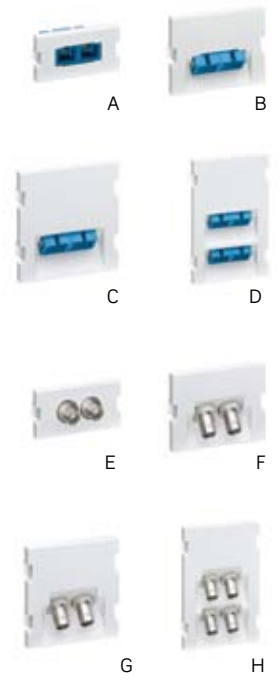
MOS QUICKPORT® ADAPTERS AND BLANK MODULES

Description	White	Ivory	Lt. Almond	Grey	Black
[M] 1-Port QuickPort Module (1 unit high)	41291-1MW	41291-1MI	41291-1MT	41291-1MG	41291-1ME
[N] 2-Port QuickPort Module (1 unit high)	41291-2QW	41291-2QI	41291-2QT	41291-2QG	41291-2QE
[O] 2-Port Angled QuickPort Module (1.5 units high)	41294-2QW	41294-2QI	41294-2QT	41291-2QG	41294-2QE
[P] Blank Module (0.5 units high)	41295-5BW	41295-5BI	41295-5BT	41295-5BG	41295-5BE
[Q] Blank Module (1 unit high)	41291-1BW	41291-1BI	41291-1BT	41291-1BG	41291-1BE
[R] Blank Module (1.5 units high)	41294-2BW	41294-2BI	41294-1BT	41294-2BG	41294-2BE
[S] Blank Module (2 units high)	41292-2BW	41292-2BI	41292-2BT	41292-2BG	41292-2BE
[T] Decora Insert, holds one 1 unit high MOS Module	41649-00W	41649-00I			



MOS FIBER INSERTS

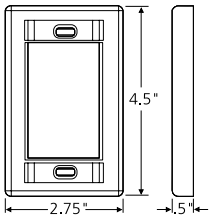
Description	White	Ivory	Lt. Almond	Grey	Black
[A] 1 Duplex SC, zirconia ceramic, SM (1 unit high)	41291-2CW	41291-2CI	41291-2CT	41291-2CG	41291-2CE
1 Duplex SC, phos. bronze, MM (1 unit high)	41291-PCW	41291-PCI	41291-PCT	41291-PCG	41291-PCE
[B] 1 Duplex SC, zirconia ceramic, SM, 45° exit (1.5 units high)	41294-2CW	41294-2CI	41294-2CT	41294-2CG	41294-2CE
1 Duplex SC, phos. bronze, MM, 45° exit (1.5 units high)	41294-PCW	41294-PCI	41294-PCT	41294-PCG	41294-PCE
[C] 1 Duplex SC, zirconia ceramic, SM, 45° exit (2 units high)	41292-2CW	41292-2CI	41292-2CT	41292-2CG	41292-2CE
1 Duplex SC, phos. bronze, MM, 45° exit (2 units high)	41292-PCW	41292-PCI	41292-PCT	41292-PCG	41292-PCE
[D] 2 Duplex SC, zirconia ceramic, SM, 45° exit (3 units high)	41293-4CW	41293-4CI	41293-4CT	41293-4CG	41293-4CE
2 Duplex SC, phos. bronze, MM, 45° exit (3 units high)	41293-PCW	41293-PCI	41293-PCT	41293-PCG	41293-PCE
1 Duplex ST, zirconia ceramic, SM, (1 unit high)	41291-ZTW	41291-ZTI	41291-ZTT	41291-ZTG	41291-ZTE
[E] 1 Duplex ST, phos. bronze, MM, (1 unit high)	41291-2TW	41291-2TI	41291-2TT	41291-2TG	41291-2TE
1 Duplex ST, zirconia ceramic, SM, 45° exit (1.5 units high)	41294-ZTW	41294-ZTI	41294-ZTT	41294-ZTG	41294-ZTE
[F] 1 Duplex ST, phos. bronze, MM, 45° exit (1.5 units high)	41294-2TW	41294-2TI	41294-2TT	41294-2TG	41294-2TE
1 Duplex ST, zirconia ceramic, SM, 45° exit (2 units high)	41292-ZTW	41292-ZTI	41292-ZTT	41292-ZTG	41292-ZTE
[G] 1 Duplex ST, phos. bronze, MM, 45° exit (2 units high)	41292-2TW	41292-2TI	41292-2TT	41292-2TG	41292-2TE
1 Duplex ST, zirconia ceramic, SM, 45° exit (2 units high)	41293-ZTW	41293-ZTI	41293-ZTT	41293-ZTG	41293-ZTE
[H] 2 Duplex ST, phos. bronze, MM, 45° exit (3 units high)	41293-4TW	41293-4TI	41293-4TT	41293-4TG	41293-4TE



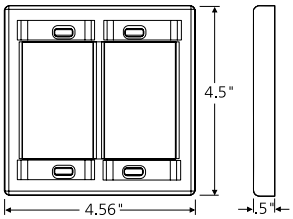
MATERIAL CHARACTERISTICS
- High-impact, fire-retardant, plastic rated UL 94V-0.

COLOR
- For color selection, add suffix to Cat. No. as follows: White (-W), Ivory (-I), Lt. Almond (-T), Grey (-G), Black (-E)

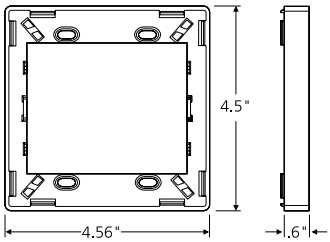
DIMENSIONS



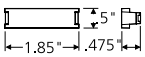
Single-Gang Wallplate
41290-SM*



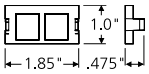
Dual-Gang Wallplate
41290-DM*



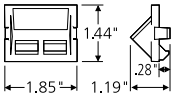
Fiber Storage/Spacer Ring
41290-DR*



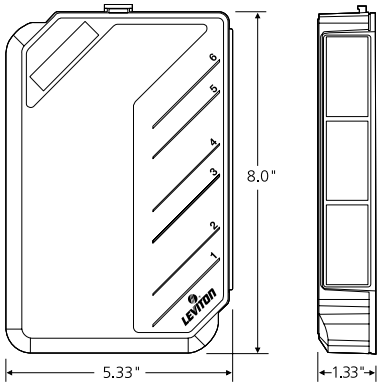
MOS 1/2 Unit High Insert
For 0.5 unit high part #'s
see page A12 and B54



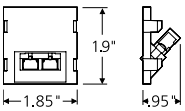
MOS 1 Unit High Insert
For 1 unit high part #'s
see page A12 and B54



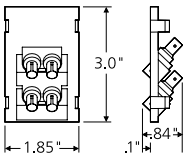
MOS 1.5 Unit High Insert
For 1.5 unit high part #'s
see page A12 and B54



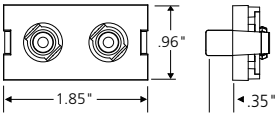
Surface Mount Box
41296-MM*



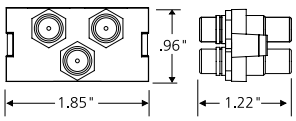
MOS 2 Unit High Insert
For 2 unit high part #'s
see page A12 and B54



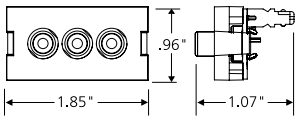
MOS 3 Unit High Insert
For 3 unit high part #'s
see page A12 and B54



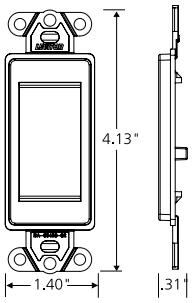
RCA Module, 2-Port,
screw terminal
41291-1R*



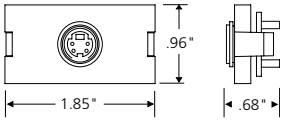
RCA Module, 3 Port,
feedthough
41292-3R*



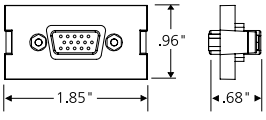
RCA Module,
110 termination
41292-AV*, 41292-DV*



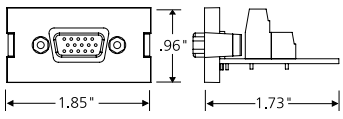
Decora Insert,
1 MOS Module
41649-00*



S-Video Module, 1-Port
screw terminal
41291-1V*



HD-15 Module, feedthrough
41293-HD*



HD-15 Module,
screw terminal
41295-HD*

QuickPort® Surface Mount Housings & Back Boxes


A


B


C


D


E


F


G


H


I


J


K


L

Specifications and Features

- Surface Mount Housings and Back Boxes work in places where it may not be practical to add a wallbox
- Housings mount with the included double-sided tape or screws, modular furniture brackets, or with magnets
- Surface Mount Boxes and Back Boxes have breakouts to match common surface mount raceway systems
- 4S089 products are designed to work with Leviton Shielded or eXtreme® 6A Connectors to allow proper bend radius control

QUICKPORT SURFACE MOUNT HOUSINGS

Description	Cat. No. White	Cat. No. Ivory	Cat. No. Grey	Cat. No. Black
[A] 12-Port Surface Mount Housing, 7.60"W x 5.02"D x 1.13"H	41089-12W	41089-12I	41089-12G	41089-12E
[B] 6-Port Surface Mount Housing, 6.38"W x 3.22"D x 1.08"H	41089-6WP	41089-6IP	41089-6GP	41089-6EP
[C] 4-Port Surface Mount Housing, 4.77"W x 3.21"D x 1.05"H	41089-4WP	41089-4IP	41089-4GP	41089-4EP
[D] 2-Port Surface Mount Housing, 2.52"W x 2.22"D x 1.10"H	41089-2WP	41089-2IP	41089-2GP	41089-2EP
[E] 1-Port Surface Mount Housing, 1.42"W x 2.22"D x 1.10"H	41089-1WP	41089-1IP	41089-1GP	41089-1EP
[F] 2-Port Surface Mount Housing for Shielded Connectors, 2.5"W x 3.00"D x 1.22"H	4S089-2WP	4S089-2IP		
[G] 4-Port Surface Mount Box for Shielded Connectors, 5.6"W x 5.20"D x 1.22"H	4S089-4WP	4S089-4IP		

Commercial Grade

SINGLE AND DUAL-GANG SURFACE MOUNT BACK BOXES

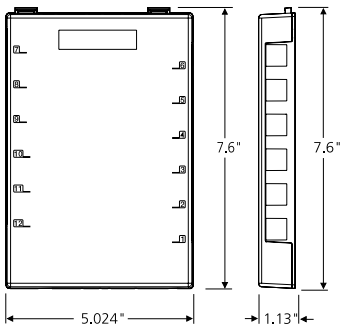
Description	Cat. No. White	Cat. No. Ivory	Cat. No. Grey	Cat. No. Black
[H] Single-Gang Standard, 4.72"H x 2.96"W x 1.89"D	42777-1WA	42777-1IA	42777-1GA	42777-1EA
[I] Single-Gang Shallow, 4.72"H x 2.96"W x 1.45"D	42777-1WB	42777-1IB	42777-1GB	42777-1EB
[J] Dual-Gang Standard, 4.72"H x 4.77"W x 1.89"D	42777-2WA	42777-2IA	42777-2GA	42777-2EA
[K] Dual-Gang Shallow, 4.72"H x 4.77"W x 1.45"D	42777-2WB	42777-2IB	42777-2GB	42777-2EB

MAGNETS

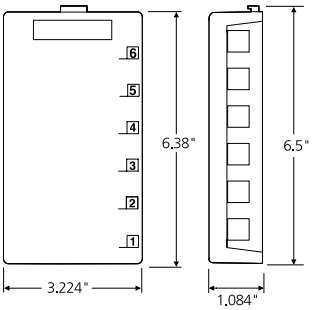
Description	Cat. No.
[L] Set of 4 Magnets, 1.00"H x 0.84"W x 0.30"D	41030-SMJ

Use one magnet for 2-port Surface Mount Housing. Use two magnets for 4-, 6-, and 12-port Surface Mount Housings and Single and Dual-Gang Surface Mount Back Boxes.

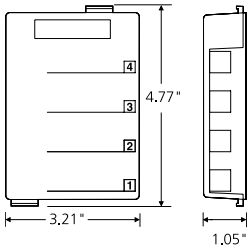
DIMENSIONS



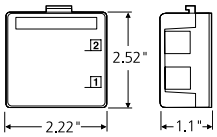
12-Port Surface Mount Box
41089-12*



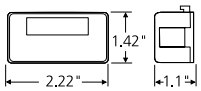
6-Port Surface Mount Box
41089-6*P



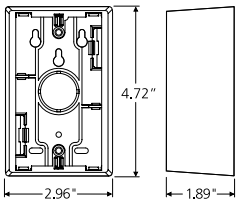
4-Port Surface Mount Box
41089-4*P



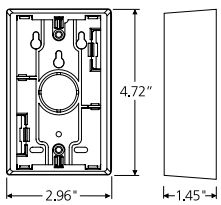
2-Port Surface Mount Box
41089-2*P



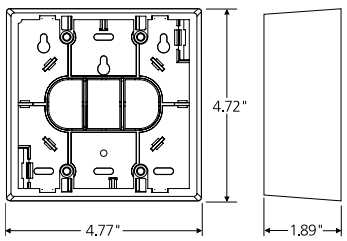
1-Port Surface Mount Box
41089-1*P



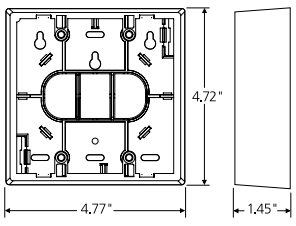
Single-Gang Surface
Mount Back Box
42777-1*A



Single-Gang Surface
Mount Back Box
42777-1*B



Dual-Gang Surface
Mount Back Box, Standard
42777-2*A



Dual-Gang Surface
Mount Back Box, Shallow
42777-2*B

Telephone & Video Wallplates

Specifications and Features

- Provide quick at-the-wall connections for RJ-11 telephone and F-connection video applications
- High quality ABS plastic or nylon for superior resistance to impacts, chemicals and solvents
- Midsize Wallplates hide irregular drywall cuts or flaws around outlets
- cULus listed, fire-retardant material rated UL 94V-0



A



B



C



D



E

STANDARD TELEPHONE & VIDEO WALLPLATES (ABS)

Description	White	Ivory	Almond	Lt. Almond
[A] Wall Jack, 6P4C	40249-00W	40249-00I	40249-00A	40249-00T
[B] Wall Jack, 6P4C + 6P4C	40244-00W	40244-00I	40244-00A	40244-00T
[C] Wall Jack, 6P4C + F-Connector	40259-00W	40259-00I	40259-00A	40259-00T
[D] Wall Jack, F-Connector	80781-00W	80781-00I	80781-00A	80781-00T
[E] Wall Jack, F-Connector + F-Connector	80782-00W	80782-00I	80782-00A	80782-00T
Wall Jack, 6P6C	40238-00W	40238-00I	—	40238-00T
Wall Jack, 6P6C + F-Connector	40258-00W	40258-00I	—	40258-00T
Wall Jack, 6P6C + 6P6C	40266-00W	40266-00I	—	40266-00T
Wall Jack, 8P8C	40280-00W	40280-00I	—	40280-00T

Commercial Grade

MIDSIZE TELEPHONE & VIDEO WALLPLATES (NYLON)

Description	White	Ivory	Almond	Lt. Almond	Brown
[F] Wall Jack, 6P4C	40539-PMW	40539-PMI	40539-PMA	40539-PMT	40539-PMB
[G] Wall Jack, 6P4C + F-Connector	40539-CMW	40539-CMI	40539-CMA	40539-CMT	40539-CMB
[H] Wall Jack, F-Connector	40539-0MW	40539-0MI	40539-0MA	40539-0MT	40539-0MB
[I] Hex opening (connector not included)	40539-HMW	40539-HMI	40539-HMA	40539-HMT	40539-HMB

MIDSIZE TELEPHONE & VIDEO WALLPLATES (ABS)

Description	White	Ivory	Almond	Lt. Almond	Brown
[J] Wall Jack, 6P4C	40549-00W	40549-00I	—	40549-00T	—
[K] Wall Jack, 6P4C + 6P4C	40544-00W	40544-00I	—	40544-00T	—



F



G



H

I

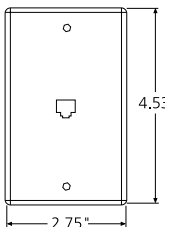


J

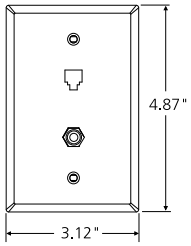


K

DIAGRAMS



Standard Wall Jack
402xx-00*, 8078X-00*



Midsize Wall Jack
405xx-***

Decora® Telephone & Video Wallplates & Inserts

Specifications and Features

- 6P4C models feature lead-frame design for improved reliability and simple installation
- Decora inserts are compatible with Decora wallplates and Decora Plus™ screwless wallplates
- Decora wallplate assemblies include a Decora Insert and matching Decora Wallplate
- Decora kits include a 1- or 2-port QuickPort® Decora Insert and USOC or F-type QuickPort Connectors
- Inserts, assemblies, and kits are cULus listed and rated UL 94V-0



DECORA STANDARD TELEPHONE & VIDEO WALLPLATE ASSEMBLIES (WALLPLATE INCLUDED)

Description	White	Ivory	Lt. Almond
[A] Wall Jack, 6P4C	40949-0WD	40949-0ID	40949-0TD
[B] Wall Jack, 6P4C + 6P4C	40144-00W	40144-00I	40144-00T
[C] Wall Jack, 6P4C + F-Connector	40159-00W	40159-00I	40159-00T
[D] Wall Jack, F-Connector	40981-0WD	40981-0ID	40981-0TD
[E] Wall Jack, F-Connector + F-Connector	40982-0WD	—	40982-0TD

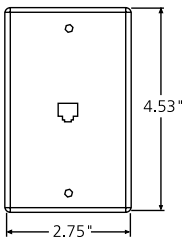
DECORA TELEPHONE & VIDEO INSERTS (WALLPLATE NOT INCLUDED)

Description	White	Ivory	Almond	Lt. Almond	Grey	Black	Brown
[F] Wall Jack, 6P4C	40649-00W	40649-00I	40649-00A	40649-00T	40649-00G	40649-00E	40649-000
[G] Wall Jack, 6P4C + 6P4C	40644-00W	40644-00I	—	40644-00T	—	—	—
[H] Wall Jack, 6P4C + F-Connector	40659-00W	40659-00I	—	40659-00T	—	—	—
[I] Wall Jack, F-Connector	40681-00W	40681-00I	40681-00A	40681-00T	40681-0GY	—	40681-00B
[J] Wall Jack, F-Connector + F-Connector	40682-00W	40682-00I	—	—	—	—	—

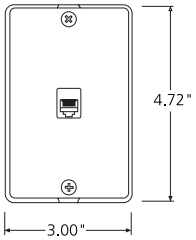
DECORA TELEPHONE & VIDEO INSERT KITS (WALLPLATE NOT INCLUDED)

Description	White	Ivory	Almond	Lt. Almond	Grey	Black
Wall Jack, 6P6C	41638-00W	41638-00I	41638-00A	41638-00T	41638-00G	41638-00E
Wall Jack, 6P6C + F-Connector	41658-00W	41658-00I	—	41658-00T	—	—

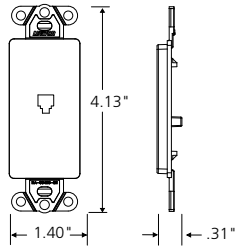
DIMENSIONS



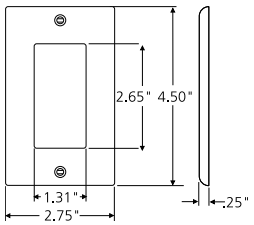
Quick-Connect
Wall Phone Jack



Screw Terminal
Wall Phone Jack



Decora Insert
406xx-00*, 416xx-***



Decora, Standard size
Single-Gang Wallplates

Round Telephone Inserts & Surface Mount Boxes

Specifications and Features
- Round Inserts available with screw terminal or 110-Style terminations
- Surface Mount Kits include 1- or 2-port QuickPort® housing with 6P6C USOC or 8P8C CAT 3 connectors
- Surface Mount Boxes feature 4-, 6-, and 8-conductor screw terminal connections
- Shorting bar option for use with monitored home security systems

ROUND TELEPHONE INSERTS

Description	Cat. No.
[A] Round Insert, 6P4C, 110-Style	41054-IDD
[B] Round Insert, 6P4C, screw terminal	40201-00I

SURFACE MOUNT TELEPHONE BOXES

Description	White	Ivory	Lt. Almond
Surface Mount Box, 6P4C, screw terminal	4625A-24W	4625A-24I	4625A-24T
Surface Mount Box, 6P6C, screw terminal	4625A-26W	4625A-26I	4625A-26T
[C] Surface Mount Box, 8P8C, screw terminal	40278-00W	40278-00I	40278-00T
Surface Mount Box, 8P8C w/ shorting bar, screw terminal		40278-SBI	40278-SBT

SURFACE MOUNT TELEPHONE BOXES - KITTED

Description	Ivory
[D] Surface Mount Box, 6P6C, 110 termination, 1-Port	42036-IDA
[E] Surface Mount Box, 6P6C + 6P6C, 110 termination, 2-Port	42046-IDA
Surface Mount Box, 8P8C, CAT 3, 110 termination, 1-Port	42038-IDB
Surface Mount Box, 8P8C + 8P8C, CAT 3, 110 termination, 2-Port	42048-IDB

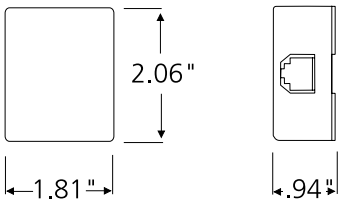

A


B

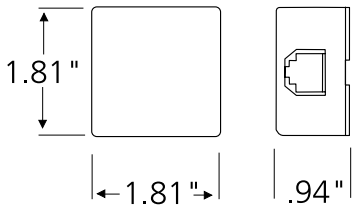

C


D, E

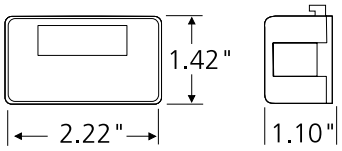
DIMENSIONS



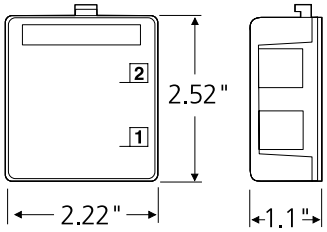
6P4C Screw Terminal Box



8P8C Screw Terminal Box



1-port 110-Style Box



2-port 110-Style Box

Commercial Grade

Telephone Wall Phone Jacks

Specifications and Features

- Wall Phone Jacks available in 4- or 6-conductor models
- Screw terminal or Quick-Connect termination options
- Quick-Connect products include plastic punchdown tool



A



B



C



D

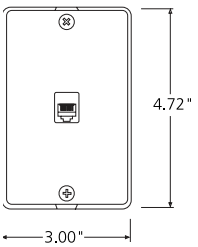
WALL PHONE JACK WALLPLATES - 110-STYLE

Description	White	Ivory	Almond	Lt. Almond	Grey	Stainless
[A] Wall Phone Jack, 6P4C Quick-Connect, plastic w/ metal base	40253-00W	40253-00I	40253-00A	40253-00T	40253-00G	—
Wall Phone Jack, 6P6C Quick-Connect, plastic w/ metal base	40263-00W	40263-00I	—	40263-00T	—	—
[B] Wall Phone Jack, 6P4C Quick-Connect, stainless w/ metal base	—	—	—	—	—	40223-00S
Wall Phone Jack, 6P6C Quick-Connect, stainless w/ metal base	—	—	—	—	—	40226-00S

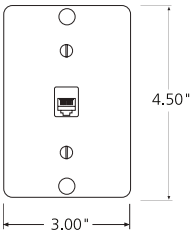
WALL PHONE JACK WALLPLATES - SCREW TERMINAL

Description	White	Ivory	Lt. Almond
[C] Wall Phone Jack, 6P4C screw terminal, plastic w/ metal base	40257-00W	40257-00I	40257-00T
[D] Wall Phone Jack, 6P4C screw terminal, plastic w/ plastic base	40214-00W	40214-00I	40214-00T
Wall Phone Jack, 6P6C screw terminal, plastic w/ plastic base	40216-00W	40216-00I	40216-00T

DIMENSIONS



Wall Phone Jack, screw terminal
40257-00*, 4021x-00*



Wall Phone Jack, Quick-Connect
40253-00*, 40203-00*, 4022x-00S

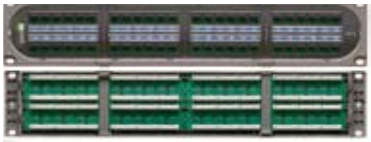
Flat Composite 110-Style and QuickPort® UTP Panels

Specifications and Features

- Made from high-tech composite materials for a look unique in the patch panel market
- 10% stronger than standard 16 AWG metal patch panels, providing added support during termination
- Aesthetic design and customizable panels ideal for showroom-style environments
- Panel face can be customized to feature any design, color, or logo
- Available in 48-port 2RU QuickPort and 110-style models
- Panels include two integrated patch cord managers that attach directly to the face of the panel, saving up to 50% of valuable rack space
- Patch cord managers prevent cables from obstructing view of port numbers
- Panels also include two rear cable management bars
- Clear label holders create a window to easily view port numbers and custom designs
- Panel is 100% recyclable

FLAT COMPOSITE 110-STYLE AND QUICKPORT PATCH PANELS

Description	CAT 6	CAT 5E	Empty
2 RU 48-Port 110-Style Flat Composite Patch Panel	[A] C1686-U48	[B] C1586-U48	
2 RU 48-Port QuickPort Flat Composite Patch Panel			C12556-H48
2 RU Blank Panel/Cable Manager			[C] C1253-2CM



[A] C1686-U48



[B] C1255-H48



[C] C1253-2CM



Front and rear managers are included with all C1 Ultra panels

Related Products — Cable Management Solutions
For more information on Leviton's 110-style cable management solutions **see page 366.**

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

Customizing C1 Ultra Patch Panels

Create customized panels with the colors, images, and functionality that best fits your application's needs. From school colors or corporate logos to A/B switch fabric or connectivity identification, the C1 Ultra helps enhance data center and telecom room organization and aesthetics. It's as easy as 1-2-3:

1. Go to **www.leviton.com/c1ultra** to request a quote and download a blank artwork template with easy step-by-step instructions.
2. Upload your newly created artwork to Leviton's FTP site (address will be provided upon completion of the quote).
3. Once the artwork has been uploaded, a Leviton make-to-order specialist will provide you with a proof and, upon approval, create your panel.

Commercial Grade

Flat 110-Style UTP Patch Panels

Specifications and Features

- 1RU 12- or 24-port, 2RU 48-port, and 4RU 96-port configurations
- Available in CAT 6A, 6, and 5e
- Six-port RJ-45 modules on front, and 110-Style punchdowns on rear
- Includes color codes for T568-A/B wiring schemes
- Rear cable management bar included with panels (one bar per 24 ports)
- CAT 6A panels include magnified label holders for easy reading
- Silkscreened port numbers and paper label holders included
- Independently tested and verified by Intertek (ETL) to meet all TIA component, link, and channel requirements


A


B


C


D


E


49005-CMB included w/ CAT 6/5e Panels

FLAT 110-STYLE PATCH PANELS & PATCH BLOCK

Description	CAT 6A	CAT 6	CAT 5e
1RU 12-Port Flat 110-Style Panel		69586-U12	5G596-U12
1RU 24-Port Flat 110-Style Panel	[A] 6A586-U24	[B] 69586-U24	5G596-U24
2RU 48-Port Flat 110-Style Panel	6A586-U48	[C] 69586-U48	5G596-U48
2RU 48-Port Flat 110-Style Panel w/ Central Labeling		[D] 69586-C48	5G596-C48
4RU 96-Port Flat 110-Style Panel		69586-U96	5G596-U96
12-Port 110-Style Patch Block w/ 89D Bracket		69586-U89	[E] 5G596-U89

Related Products

Cable management solutions available: Versi-Duct®, Rear Cable Management Bars, Horizontal Cable Managers, Blank Filler Panels, Velcro® Brand Fasteners. **See pages 409-420 for more information.**

CAT 6A Component-Rated 110-Style Panels

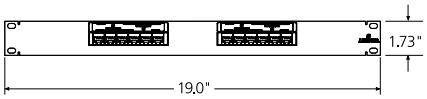
Leviton's new CAT 6A rated 110-Style patch panel offers TIA 568-B.2-10 performance up to 500 MHz to support 10GBASE-T networks. The panels have a physical design consistent with our other 110-Style panels, including in-line configured IDCs and six-port housing modules. However, they add several exclusive design features:

- Pair Separation Tower design makes untwisting CAT 6A pairs easier
- Separated blocks simplify identifying first cable pair position
- Conductor retention feature holds conductors securely in place during termination
- Patent pending triple-stage compensation design enhances permanent link and channel performance



RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

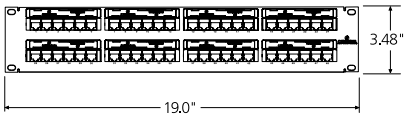
DIMENSIONS



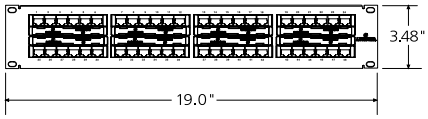
1RU 12-Port Flat 110-Style Panel
69586-U12, 5G596-U12, 59596-U12



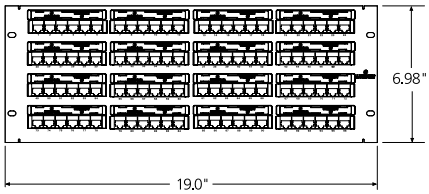
1RU 24-Port Flat 110-Style Panel
6A586-U24, 69586-U24, 5G596-U24,
6A586-U24, 59596-U24



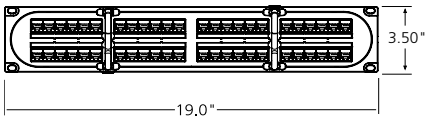
2RU 48-Port Flat 110-Style Panel
6A586-U48, 69586-U48, 5G596-U48,
59596-U48



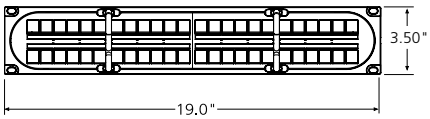
2RU 48-Port Flat 110-Style Panel w/
central labeling
69586-C48, 5G596-C48, 6A586-U48



4RU 96-Port Flat 110-Style Panel
69586-U96, 5G596-U96, 59596-U96



2RU 48-Port 110-Style Flat C1 Ultra™
Composite Panel
C1686-U48



2RU 48-Port QuickPort Flat C1 Ultra™
Composite Panel (shown empty)
C1255-H48

Flat QuickPort® UTP & Shielded Patch Panels

Specifications and Features

Traditional flat panels
- All configurations available empty
- 1RU 24-port and 2RU 48-port panels available kitted with black CAT 6A/6/5e connectors
- Silkscreened port numbers on panel front

High-density flat panels
- 2RU 72-port panel available empty only
- 1RU 48-port panel features patent-pending, robust die-cast aluminum construction
- 1RU 48-port panel available empty or kitted with black CAT 6A/6/5e connectors

Shielded flat panels
- Shielding protects against EMI and RFI, and provides excellent alien crosstalk (AXT) suppression
- Provides data security for government, financial, and other sensitive networks
- Includes star washers and grounding lug
- Available in QuickPort 1RU 24-port and 2RU 48-port configurations
- Accepts all Leviton category-rated shielded jacks — Cat 5e/6/6A

FLAT QUICKPORT PATCH PANELS, PATCH BLOCK & ACCESSORIES

Description	Cat 6A	Cat 6	Cat 5e	Empty
1RU 24-Port QuickPort Flat Panel	[A] 6910G-U24	69270-U24	5G270-U24	49255-H24
1RU 48-Port QuickPort Die-Cast Flat Panel	6910G-D48	69270-D48	5G270-D48	[B] 49255-D48
2RU 48-Port QuickPort Flat Panel	6910G-U48	69270-U48	5G270-U48	49255-H48
2RU 72-Port QuickPort Flat Panel				[C] 49255-D72
1RU 24-Port QuickPort Shielded Flat Panel				4S255-S24
2RU 48-Port QuickPort Shielded Flat Panel				[D] 4S255-S48
12-Port QuickPort Patch Block, mounting bracket sold separately, 10”H x 2.375”W				[E] 49255-Q89
12-Port QuickPort Multimedia Patch Block, extra deep, mounting bracket included, 10"H x 2.375"W				47689-0QP
QuickPort Patch Block 89D mounting bracket				40089-00D
1RU 24-Port QuickPort Flat Panel, MagLens label holder				[F] 49255-L24
2RU 48-Port QuickPort Flat Panel, MagLens label holder				[G] 49255-448

CAT 6A/6/5E panels are kitted with black 6A10G, 6110 or 5G110 connectors

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant



49005-CMB included with all QuickPort Flat Panels



A



B



E



C



D



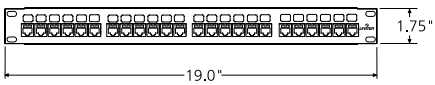
F



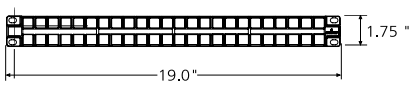
G

Related Products
Cable management solutions available: Versi-Duct®, Rear Cable Management Bars, Horizontal Cable Managers, Blank Filler Panels, Velcro® Brand Fasteners. **See pages 409-420 for more information.**

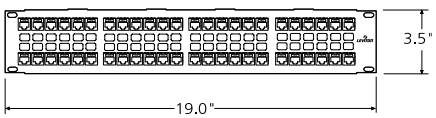
DIMENSIONS



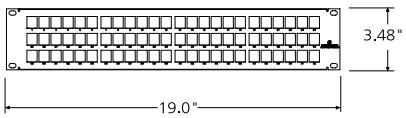
1RU 24-Port QuickPort Flat Panel
(shown loaded)
6910G-U24, 69270-U24, 5G270-U24,
49255-H24



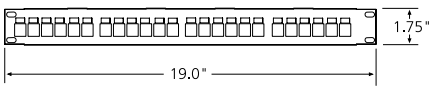
1RU 48-Port QuickPort Die-Cast Flat Panel
(shown empty)
6A270-D48, 69270-D48, 5G270-D48
49255-D48



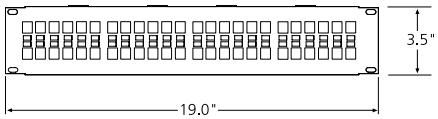
2RU 48-Port QuickPort Flat Panel
(shown loaded)
6910G-U48, 69270-U48, 5G270-U48
49255-H48



2RU 72-Port QuickPort Flat Panel
49255-D72



1RU 24-Port QuickPort Shielded Flat Panel
4S255-S48



2RU 48-Port QuickPort Shielded Flat Panel
4S255-S48

Angled 110-style & QuickPort® UTP & Shielded Patch Panels

Angled patch panels are ideal for freestanding 19" rack applications, offering easy termination and improved cable routing. Due to front depth requirements, angled panels are not recommended for cabinet installation.

Specifications and Features

UTP angled 110-Style & QuickPort panels

- Conserves rack space by routing patch cords directly into vertical cable management
- Angled design facilitates proper bend radius and simplifies termination
- 110-Style Angled Panels are available CAT 6/5e, and newly added CAT 6A
- 110-Style Angled Panels include a snap-in plastic label holder and card stock labels
- QuickPort Angled Panels include white write-on blocks
- 1RU 48-Port QuickPort Panel can be used with all QuickPort connectors including CAT 6A, 6, 5e and Fiber
- CAT 6A panels include magnified label holders for easy reading
- All QuickPort configurations sold empty

Shielded angled panels

- Shielding protects against EMI and RFI
- Provides excellent alien crosstalk (AXT) suppression
- Provides data security for government, financial, and other sensitive networks
- Includes star washer and grounding lug
- Available in QuickPort 1RU 24-port and 2RU 48-port angled configurations
- Accepts all Leviton category-rated shielded connectors



A



B



49006-AMB
Recommended rear cable mgmt. bar



C



D



49254-BC1
Recommended angled transitional cover

ANGLED PATCH PANELS

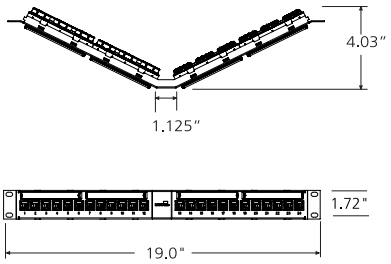
Description	CAT 6A	CAT 6	CAT 5e	Empty
1RU 24-Port 110-Style Angled Panel	6A587-U24			
2RU 48-Port 110-Style Angled Panel	6A587-U48	[A] 69587-U48	5G597-U48	
1RU 24-Port QuickPort Angled Panel				49256-H24
[B] 1RU 48-Port High Density Quickport Angled Panel				49256-D48
2RU 48-Port QuickPort Angled Panel				49256-H48
2RU 72-Port QuickPort Angled Panel				49256-D72
[C] 1RU 24-Port QuickPort Shielded Angled Panel				4S256-S24
[D] 2RU 48-Port QuickPort Shielded Angled Panel				4S256-S48

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

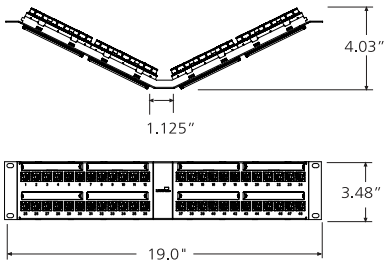
Related Products

Cable management solutions available: Versi-Duct®, Rear Cable Management Bars, Horizontal Cable Managers, Blank Filler Panels, Velcro® Brand Fasteners. **See pages 409-420 for more information.**

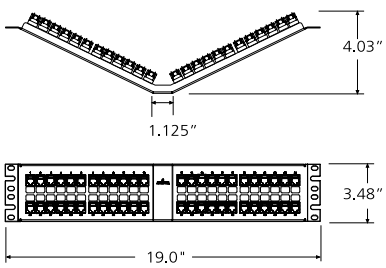
DIMENSIONS



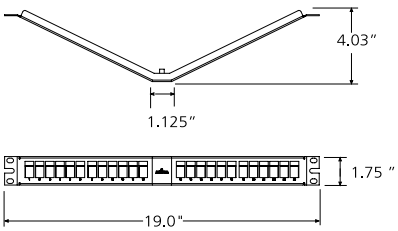
1RU 24-Port 110-Style Angled Panel
6A587-U24



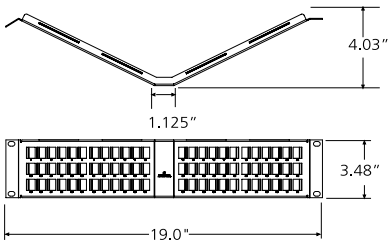
2RU 48-Port 110-Style Angled Panel
6A587-U48, 69587-U48, 5G596-U48



2RU 48-Port QuickPort Angled Panel (empty)
49256-H48, 4S256-S48



1RU 24-Port QuickPort Angled Panel (empty)
49256-H24, 4S256-S24



2RU 72-Port QuickPort Angled Panel (empty)
49256-D72

Commercial Grade

Recessed-Angled 110-Style & QuickPort® UTP Patch Panels

Recessed-angled patch panels are ideal for cabinet and rack applications with minimal depth in front of the panel. The unique dual-angled design greatly improves punchdown accessibility.

Specifications and Features

- Conserves rack space by routing patch cords directly into vertical cable management
- Recesses depth facilitates proper bend radius
- Unique dual-angled design greatly improves punchdown accessibility
- 110-Style Recessed Angled Panels are available CAT 6 and 5e
- 110-Style Recessed Angled Panels include a snap-in plastic label holder and card stock labels
- QuickPort Recessed Angled Panels include white write-on blocks
- All QuickPort Recessed Angled Panels sold empty



A



B



4W006-AMB
Recommended
rear cable mgmt. bar



4W254-BC1
Recommended
recessed angled
transitional cover

RECESSED-ANGLED PATCH PANELS

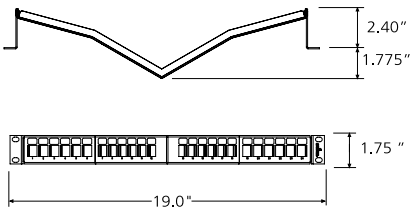
Description	CAT 6	CAT 5e	Empty
2RU 48-Port 110-Style Recessed-Angled Panel	[A] 6W587-U48	5W597-U48	
1RU 24-Port QuickPort Recessed-Angled Panel			4W256-H24
2RU 48-Port QuickPort Recessed-Angled Panel			4W256-H48
[B] 2RU 72-Port QuickPort Recessed-Angled Panel			4W256-D72

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

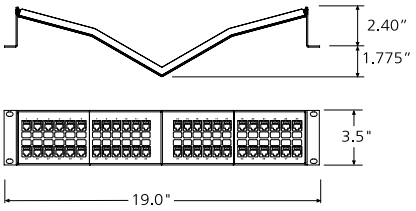
Related products

Cable management solutions available: Versi-Duct®, Rear Cable Management Bars, Horizontal Cable Managers, Blank Filler Panels, Velcro® Brand Fasteners. **See pages 409-420 for more information.**

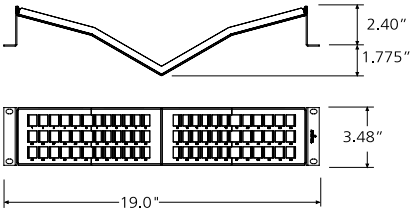
DIAGRAMS



1RU 24-Port QuickPort
Recessed-Angeled Panel (empty)
4W256-H24



2RU 48-Port QuickPort
Recessed-Angeled Panel (empty)
4W256-H48



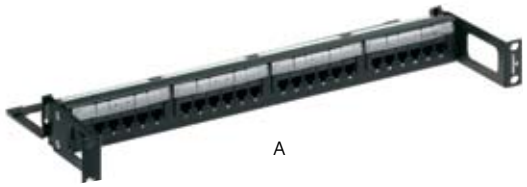
2RU 72-Port QuickPort
Recessed-Angled Panel (empty)
4W256-D72

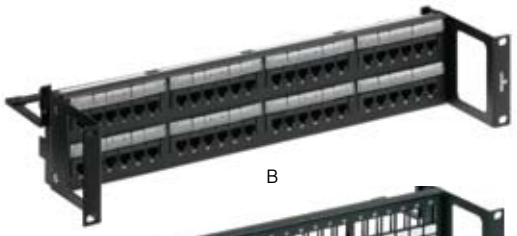
Recessed Flat 110-Style & QuickPort® Panels

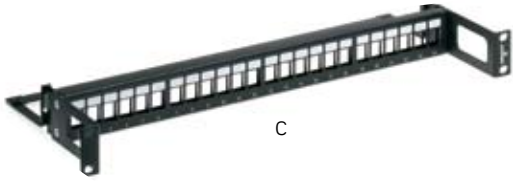
Recessed flat patch panels are another great option for rack and cabinet installations with minimal front depth, and where rear cabinet doors are in close proximity to the back rail.

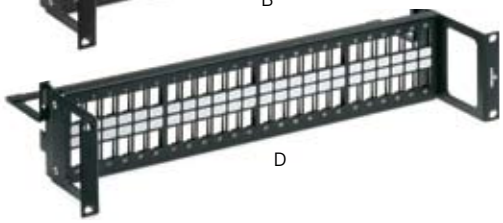
Specifications and Features

- 3" recessed design allows improved access and maintains proper cable bend radius
- All Recessed Flat Panels include a screwless cable management bar that fastens directly to the back of the panel
- 110-Style Recessed Flat 1RU 24-port or 2RU 48-Port Panels available CAT 6/5e rated
- 110-Style Recessed Flat Panels include magnified label holders for easy reading
- All QuickPort Recessed Flat Panel configurations available empty
- QuickPort Recessed Flat Panels include white write-on blocks for port identification


A


B


C


D

RECESSED PATCH PANELS

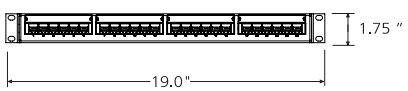
Description	CAT 6	CAT 5e	Empty
1RU 24-Port 110-Style Recessed Flat Panel	[A] 69586-R24	5G596-R24	
2RU 48-Port 110-Style Recessed Flat Panel	[B] 69586-R48	5G596-R48	
1RU 24-Port QuickPort Recessed Flat Panel			[C] 49255-R24
2RU 48-Port QuickPort Recessed Flat Panel			[D] 49255-R48
2RU 72-Port QuickPort Recessed Flat Panel			49255-R72


49005-CMB included w/ CAT 6/5e Panels

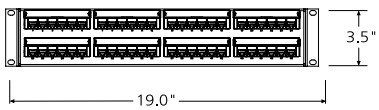
RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

Related products
Cable management solutions available: Versi-Duct® Rear Cable Management Bars, Horizontal Cable Managers Blank Filler Panels Velcro® Brand Fasteners. **See pages 409-420 for more information.**

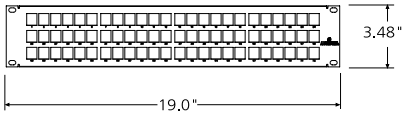
DIMENSIONS



1RU 24-Port Recessed Patch Panel
69586-R24, 5G596-R24, 49255-R24



2RU 48-Port Recessed Patch Panel
69586-R48, 5G596-R48, 49255-R48



2RU 48-Port QuickPort Recessed Patch Panel
49255-R72

Commercial Grade

VertiGo® Zero-U QuickPort® & Opt-X® Patch Panels

Specifications and Features

- All styles sold empty, with either QuickPort or Opt-X style openings
- Zero-U uses no rack space
- Low profile design fully covers connections
- Improves cabinet center airflow by routing rear cable along outer edges
- Styles with 3" and 6" channels provide additional cable management space
- Hinged doors provide easy access to termination field
- Magnified label holders facilitate easy reading
- Supports copper and fiber installations
- Recommended applications for any size cabinet, ladder tray, wire basket, modular furniture and wall mount



A B C D E F

VERTIGO ZERO-U PATCH PANELS

Description	Empty
[A] 12-Port QuickPort VertiGO Panel, panel only	49280-QP0
[B] 12-Port QuickPort VertiGO Panel, w/ 3" channel	49280-QP3
[C] 12-Port QuickPort VertiGO Panel, w/ 6" channel	49280-QP6
[D] Opt-X Adapter Plate VertiGO Panel, panel only	49280-AP0
[E] Opt-X Adapter Plate VertiGO Panel, w/ 3" channel	49280-AP3
[F] Opt-X Adapter Plate VertiGO Panel, w/ 6" channel	49280-AP6

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant



VertiGO Zero-U Patch Panels. Unparalleled Flexibility.

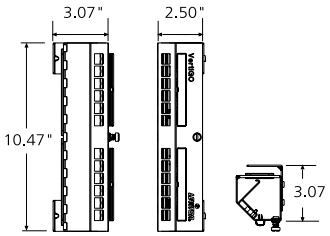
Leviton's patented VertiGO Zero-U Patch Panels offer unprecedented versatility for a wide range of installations. In data centers where left or right side cabinet installation is ideal, VertiGO can share mounting hardware with servers or other existing equipment. Where traditional cabinet space is lacking, VertiGO can be mounted to a ladder tray, wire basket, directly to the wall, under a raised floor, or even onto modular furniture.

VertiGO addresses three major data center issues: density, cooling, and appearance. Mounting vertically along a back cabinet rail allows more terminations than would otherwise be possible. Cables can be routed along the cabinet outer edges to improve airflow. The low profile design fully covers the connections, providing the clean look managers seek.

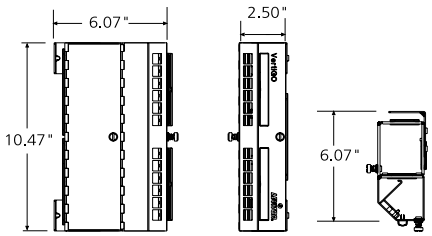
Related products

Contact Customer Service for custom VertiGO configurations. **See page 313 for more information on QuickPort Connectors and page 390 for more information on Opt-X Adapter Plates.**

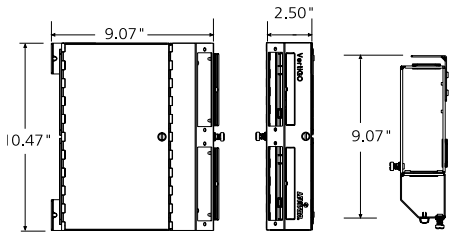
DIMENSIONS



VertiGO Zero-U Patch Panel
49280-QP0, 49280-AP0



VertiGO Zero-U Patch Panel
(w/ 3" channel)
49280-QP3, 49280-AP3



VertiGO Zero-U Patch Panel
(w/ 6" channel)
49280-QP6, 49280-AP6

Commercial Grade

Telco Data and Voice Grade Patch Panels

Specifications and Features

Data grade panels
- 8P8C Data Grade Panel supports 10/100Base-T applications
- Features 25-pair female Amphenol™ RJ-21X connectors for quick, easy termination
- Pre-configured in 24 and 48 port densities

Voice grade panels
- 110-Style or 25-pair configurations.
- Unique label delineates 1-, 2-, 4-, or 25-pair termination options
- Pre-configured in 24- and 48-port densities



A-C



D

DATA GRADE PATCH PANELS

Description	1RU 24-port	2RU 48-port
8P8C Panel, one 25-pair connector per 6 ports (supports 10/100BASE-T)	[A] 49018-J24	49018-J48

VOICE GRADE PATCH PANELS

Description	1RU 24-port	2RU 48-port
8P4C Patch Panel, 110-Style termination	[B] 49013-P24	[D] 49013-P48
8P4C Panel, two 25-pair connectors per 24 ports	49014-J24	[C] 49014-J48
8P2C Panel, one 25-pair connector per 24 ports	49012-J24	49012-J48

RJ21X CONNECTORS PER PANEL

TELCO & VOICE GRADE PANELS

Part No.	24-Port	48-Port
49012	1	2
49014	2	4
49018	4	8

Patch Panel Labeling Solutions

Specifications and Features

- QuickPort® Panels Kits compatible with all 24- and 48-port QuickPort panels
- 110-Style Panels Kits compatible with all 12-, 24-, 48-, and 96-port 110-Style panels
- Adhesive Holder and Labels Kits include adhesive plastic label holder
- Designation Kit Replacement includes clear protective window, and is for use with black plastic label holder found on 110-Style panels (holder not included)
- All kits include white, orange, yellow, blue, purple, green, and red card stock for labels for TIA 606 compliant installations



A



B



C

PATCH PANEL LABELING SOLUTIONS

Description	Cat. No.
[A] Adhesive Holder and Labels Kit for QuickPort Panels	49257-QHD
[B] Adhesive Holder and Labels Kit for 110-Style Panels	49257-I24
[C] Designation Kit Replacement for 110-Style Panels	69585-IDL

Rhino Pro Labeling Solutions

Leviton recommends Rhino Pro labeling solutions for superior mechanical patch panel labeling. Printers are available in handheld and desktop versions; both include software with Leviton templates to create easy-to-read labels that perfectly fit our patch panels. For more information or to order, please visit **www.rhinolabeling.com.**



Rhino 6000
Handheld printer with hard-shell kit



Rhino 6500
Desktop printer

Commercial Grade

CAT 6A/6 110-Style Wiring Products

Specifications and Features

CAT 6A 110-Style Wiring Blocks

- Supports high-frequency data signals up to 500 MHz
- Can be used as a consolidation point (CP) in a TIA defined 90-meter permanent link
- Designed to mitigate alien crosstalk (AXT)
- Independently tested and verified by Intertek (ETL) to meet all TIA link and channel requirements
- Available in 64-pair wall-mount block

CAT 6 110-Style Wiring Blocks

- Support voice, data, and security applications
- Complete selection of rack and wall-mount blocks, mounting frames, patch cords, and cable management
- Wall-Mount Wiring Block Kits available in 96-, 192-, and 288-pairs
- Rack-Mount Wiring Block Kits available in 1RU 96-pair, 2RU 192-pair, and 3RU 288-pair configurations
- 110-Style Patch Cords in 110-110 and 110-T568A/B configurations
- Connector Clips withstand 200 re-terminations



CAT 6A 110-STYLE WIRING BLOCK KITS

Description	64-Pair
[A] eXtreme® CAT 6A 110-Style Wiring Block, Wall-Mount w/ legs and C-4 Clips*	41D6A-1F4

CAT 6 110-STYLE WIRING BLOCK KITS (W/ C-4 CLIPS)

Description	96-Pair	192-Pair	288-Pair
eXtreme 6+ CAT 6 110-Style Wiring Block, Wall-Mount w/o legs	[B] 41NB6-1F4		
eXtreme 6+ CAT 6 110-Style Wiring Block, Wall-Mount w/legs*	[C] 41AB6-1F4		[D] 41AB6-3F4
eXtreme 6+ CAT 6 110-Style Wiring Block, Rack-Mount	[E] 41DR6-1F4	[F] 41DR6-2F4	[G] 41DR6-3F4

*CAT 6A/6 110-Style wiring block stand-off legs are non-removable. Legs not sold separately for CAT 6A/6 wiring blocks.

CAT 6 110-STYLE PATCH CORDS

Description	1-Foot	2-Foot	3-Foot	5-Foot	7-Foot	10-Foot
[H] CAT 6 110 to 110 Patch Cord	62240-01S	62240-02S	62240-03S	62240-05S	62240-07S	62240-10S
[I] CAT 6 110 to T568A Patch Cord	6234A-01S	6234A-02S	6234A-03S	6234A-05S	6234A-07S	6234A-10S
CAT 6 110 to T568B Patch Cord	6234B-01S	6234B-02S	6234B-03S	6234B-05S	6234B-07S	6234B-10S


H, I

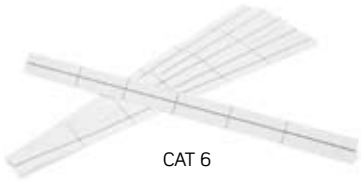
CAT 6 110-STYLE CONNECTOR CLIPS

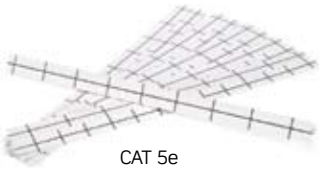
Description	Cat. No.
[J] eXtreme 6+ CAT 6 C-4 Clips (bag of 10)	69104-IDC


J

110-STYLE LABELING SOLUTIONS

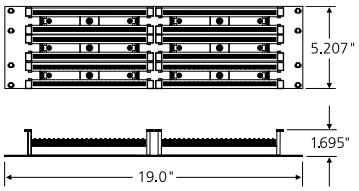
Description	Cat. No.
CAT 6 Label Kit, 6/kit	41LBL-60W
CAT 5e Label Kit, 6/kit	41LBL-00W
Label Holder, 6/kit	41100-HDL


CAT 6

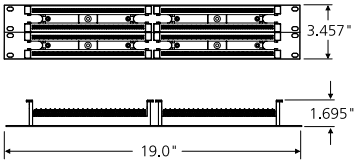

CAT 5e


Label Holder

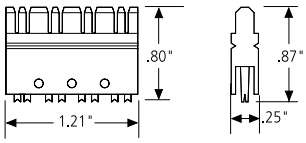
DIMENSIONS



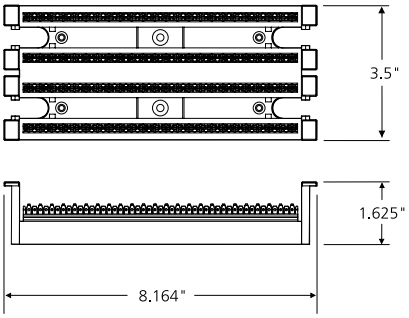
eXtreme 6+ 110-Style Wiring Block,
Rack Mount CAT 6, 288-Pair
41DR6-3F4



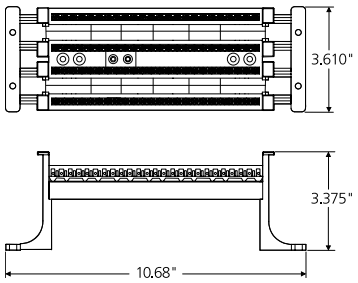
eXtreme 6+ 110-Style Wiring Block,
Rack Mount CAT 6, 192-Pair
41DR6-2F4



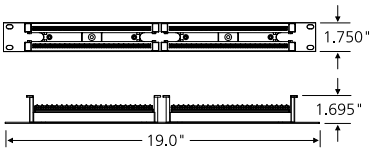
110-Style C-4 Connector
Clip, CAT 6
69104-1DC



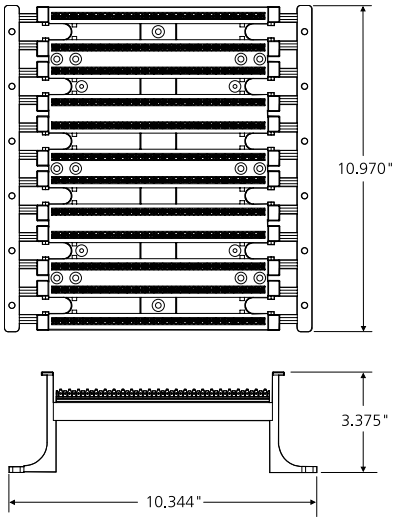
eXtreme 6+ 110-Style Wiring Block,
Wall Mount w/o legs, CAT 6, 96-Pair
41NB6-1F4



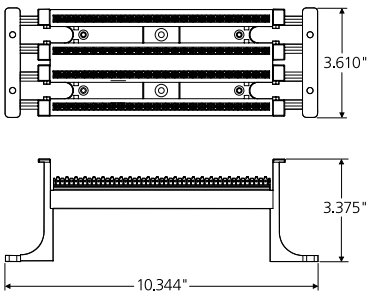
eXtreme 6A 110-Style Wiring Block, 64-Pair
41D6A-1F4



eXtreme 6+ 110-Style Wiring Block,
Rack Mount CAT 6, 96-Pair
41DR6-1F4



eXtreme 6+ 110-Style Wiring Block,
Wall Mount w/legs, CAT 6, 288-Pair
41AB6-3F4

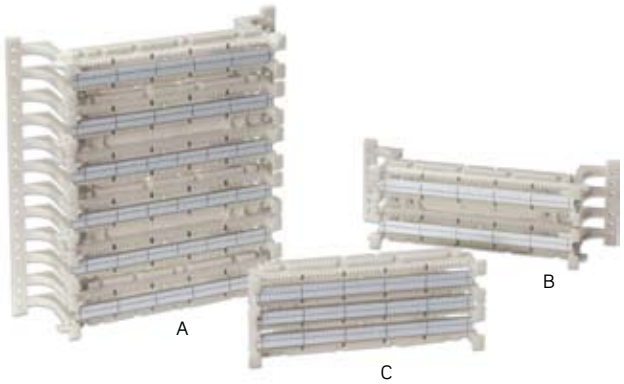


eXtreme 6+ 110-Style Wiring Block,
Wall Mount w/legs, CAT 6, 96-Pair
41AB6-1F4

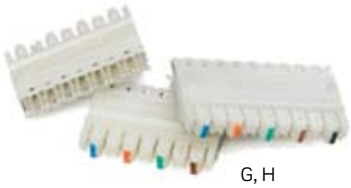
CAT 5e 110-Style Wiring Products

Specifications and Features

- Wall-mount bases available in 50- and 100-pair with or without legs
- 300-pair bases include standoff legs, labels, and label holders
- Kits include bases, connecting blocks, labels and holders
- Rack-mount units are for 100-, 200-, and 300-pair densities
- Patch Cords in 110-110 and 110-T568A/B configurations







CATEGORY 5e 110-STYLE WIRING BLOCK KITS

Description	C-4 Clips	C-5 Clips
GigaMax® CAT 5e Wiring Block, Wall-Mount w/legs Kit, 100-Pair*	41AB2-1F4	41AB2-1F5
GigaMax CAT 5e Wiring Block, Wall-Mount w/o legs Kit, 100-Pair	41NB2-1F4	41NB2-1F5
GigaMax CAT 5e Wiring Block, Wall-Mount w/legs Kit, 300-Pair*	41AB2-3F4	41AB2-3F5

CATEGORY 5e 110-STYLE WIRING BLOCKS

Description	50 Pair	100 Pair	300 Pair
GigaMax CAT 5e 110-Style Wiring Block, Wall-Mount w/legs, 50-Pair*	41AW1-050	[B] 41AW2-100	[A] 41AW2-300
GigaMax CAT 5e 110-Style Wiring Block, Wall-Mount w/o legs, 50-Pair	41DW1-050	[C] 41DW2-100	

CATEGORY 5e 110-STYLE RACK-MOUNT KITS

Description	C-4 Clips	C-5 Clips
GigaMax CAT 5e 110-Style Wiring Block, Rack-Mount Kit, 100-Pair, 1RU	41DBR-1F4	41DBR-1F5
GigaMax CAT 5e 110-Style Wiring Block, Rack-Mount Kit, 200-Pair, 2RU	41DBR-2F4	41DBR-2F5
GigaMax CAT 5e 110-Style Wiring Block, Rack-Mount Kit, 300-Pair, 3RU	41DBR-3F4	41DBR-3F5

CATEGORY 5e 110-STYLE RACK-MOUNT WIRING BLOCKS

Description	100 Pair	200 Pair	300 Pair
GigaMax 5e 110-Style Wiring Block, Rack-Mount, CAT 5e	[D] 41DR2-100	[E] 41DR2-200	[F] 41DR2-300

*Category 5e 110-Style wiring block stand-off legs are non-removable.

CATEGORY 5e 110-STYLE CONNECTOR CLIPS

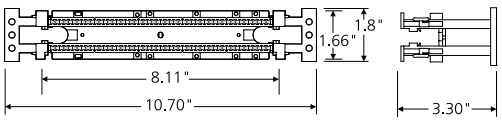
Description	C-3 Clips	C-4 Clips	C-5 Clips
GigaMax CAT 5e 110-Style Connector Clips (bag of 10)	49103-IDC	[G] 49104-IDC	[H] 49105-IDC
GigaMax CAT 5e 110-Style Connector Clips (bag of 50)		49104-I50	

CATEGORY 5e 110-STYLE WIRING BLOCK ACCESSORIES

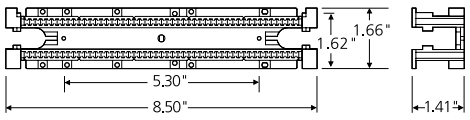
Description	Cat. No.
GigaMax CAT 5e 110-Style legs (2 ea) for use with 41DW1 only	410L2-050
GigaMax CAT 5e 110-Style legs (2 ea) for use with 41DW2 only	410L2-100
GigaMax CAT 5e 110-Style Horizontal Cord Manager w/o legs	41D10-HCM
GigaMax CAT 5e 110-Style Horizontal Cord Manager w/ legs*	41A10-HCM
GigaMax CAT 5e 110-Style 50-Pair 89-D Base (89D Brackets, 40089-00D, sold separately)	41DW1-589

*Category 5e 110-Style wiring block stand-off legs are non-removable.

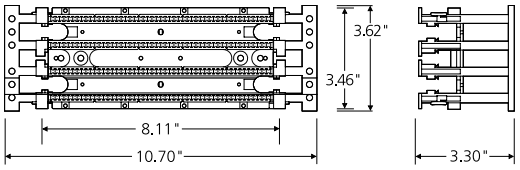
DIMENSIONS



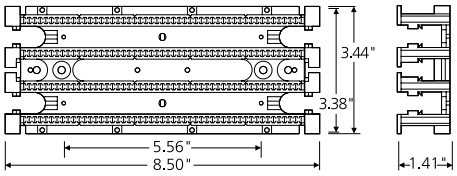
GigaMax® 5e 110-Style Wiring Block,
Wall Mount, w/legs, CAT 5e, 50-Pair
41AW1-050



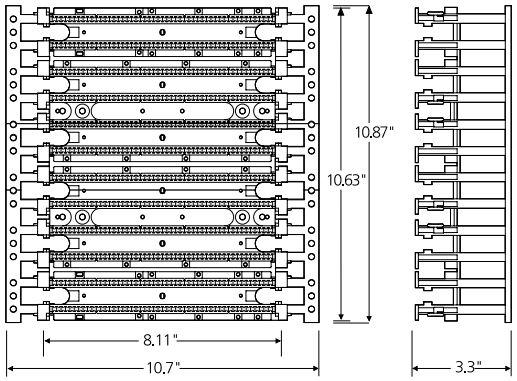
GigaMax 5e 110-Style Wiring Block,
Wall Mount, w/o legs, CAT 5e, 50-Pair
41DW1-050



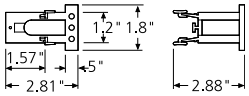
GigaMax 5e 110-Style Wiring Block,
Wall Mount, w/legs, CAT 5e, 100-Pair
41AW2-100



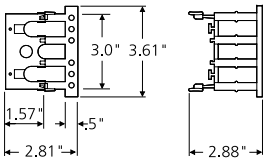
GigaMax 5e 110-Style Wiring Block,
Wall Mount, w/o legs, CAT 5e, 100-Pair
41DW1-100



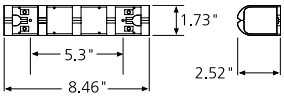
GigaMax 5e 110-Style Wiring Block,
Wall Mount, w/ legs, CAT 5e, 300-Pair
41AW2-300



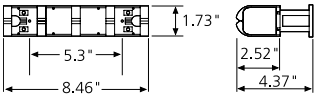
GigaMax 5e 110-Style legs
(For use in 41DW1)
410L2-050



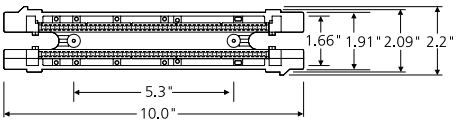
GigaMax 5e 110-Style legs
(For use in 41DW2)
410L2-100



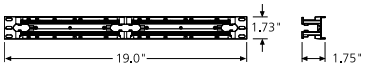
GigaMax 5e 110-Style
Horizontal Cord
Manager w/o legs
41D10-HCM



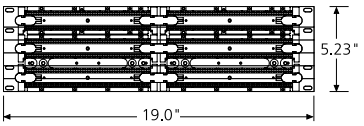
GigaMax 5e 110-Style
Horizontal Cord
Manager w/legs
41A10-HCM



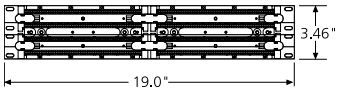
GigaMax 5e 110-Style 50-Pair 89-D Base 41DW1-589



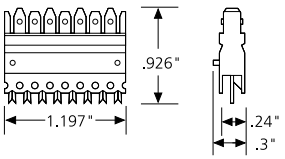
GigaMax 5e 110-Style Wiring Block,
Rack-Mount, CAT 5e, 100-Pair
41DR2-100



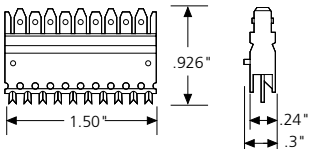
GigaMax 5e 110-Style Wiring Block,
Rack-Mount, CAT 5e, 300-Pair
41DR2-300



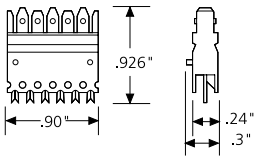
GigaMax 5e 110-Style Wiring Block,
Rack-Mount, CAT 5e, 200-Pair
41DR2-200



110-Style C-4 Connector
Clip, Cat 5e
49104-1DC & 69104-1DC



110-Style C-5 Connector
Clip, Cat 5e
49105-1DC



110-Style C-3 Connector
Clip, Cat 5e
49103-1DC

110-Style Wiring Cable Management

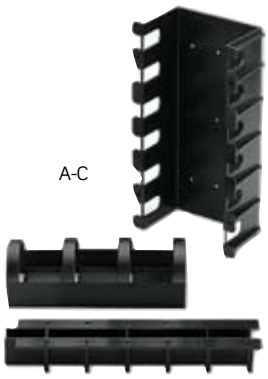
Specifications and Features

110 Channelmax® System

- Ideal for protecting cables in high-volume 110-wiring applications
- Expands cable channel to allow additional cables
- Cable channel available in 3" and 5" sizes
- Horizontal cable manager and vertical spool manager also available
- Non-proprietary design works with most standard 110 blocks

Wall-Mount Cord Managers & 110-Style Products

- Vertical Cord Managers help route patch cords in high density applications
- Horizontal rack-mount cord organizer available
- Basic wall-mount unit features 300-pair capacity
- Extension kits add up to 600 extra pairs
- Rear cable channel, side slots, horizontal cord managers, and bottom cable tray included



A-C

110 CHANNELMAX SYSTEM

Description	Cat. No.
[A] 3" Deep Vertical Cable Channel	41CMS-300
5" Deep Vertical Cable Channel	41CMS-500
[B] Horizontal Cable Management Trough	41CMS-HCM
[C] Vertical Spool Manager Mounting Bracket	41CMS-VSM

VERTICAL CORD MANAGERS AND 110-STYLE WALL-MOUNT WIRING PRODUCTS



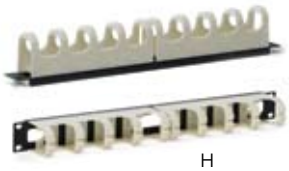
D, E

Description	Cat. No.
[D] 300-pair Basic Mounting Frame Unit (sheet metal frame and bottom cable tray only)	41MB2-SMF
[E] 300-pair Extension Mounting Frame Unit (sheet metal frame only)	41MB2-SME
Basic Mounting Frame Kit with three 100-pair bases, mounting frame, cable tray, 75 C-4 connector blocks, three horizontal cord managers, label strip holders and white label strips	41MB2-3F4
Basic Mounting Frame Kit with three 100-pair bases, mounting frame, cable tray, 60 C-5 connector blocks, three horizontal cord managers, label strip holders and white label strips	41MB2-3F5
Extension Mounting Frame Kit with three 100-pair bases, mounting frame, 60 C-4 and 12 C-5 connector blocks, three horizontal cord managers, label strip holders and white label strips	41MB2-EXT
[F] 300-pair Vertical Cord Manager, Basic Unit, includes bottom cable tray	41880-300
[G] 300-pair Vertical Cord Manager, Extension Unit	41880-EXT



F, G

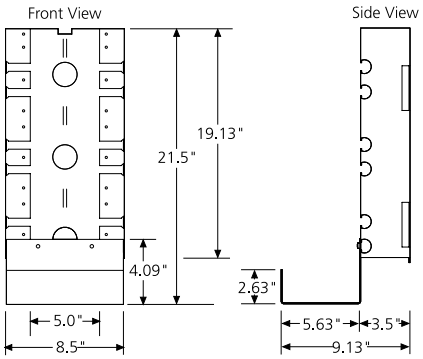
RACK-MOUNT MANAGER



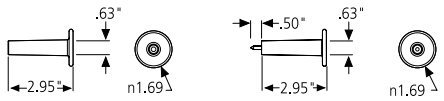
H

Description	Cat. No.
[H] Rack-Mount Horizontal Cord Manager	41D1R-HCM

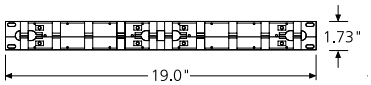
DIMENSIONS



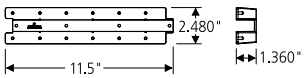
Basic Wall-Mounting Frame 110 Style
41MB2-SMF



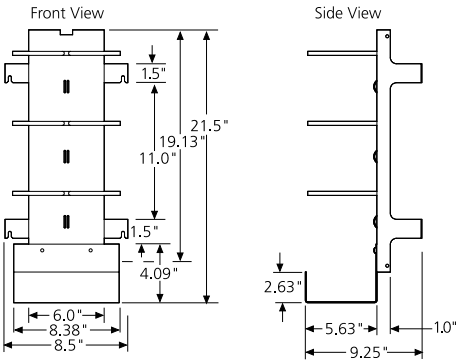
Wire Management Spools
40054-DSS



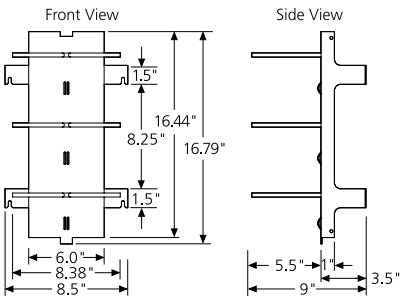
Rack-Mount Horizontal Cord Manager
41D1R-HCM



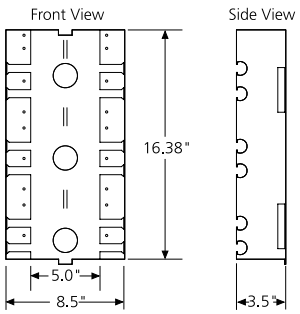
Vertical Spool Manager
Mounting Bracket
41CMS-VSM



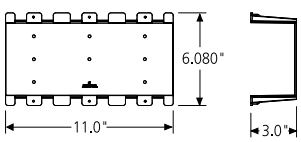
Basic Vertical Cord Manager 110 Style 41880-300



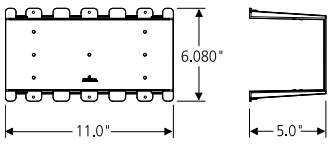
Extension Vertical Cord Manager 110 Style
41880-EXT



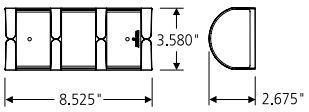
Extension Wall-Mounting Frame 110 Style
41MB2-SME



3" Deep Vertical Cable
Channel
41CMS-300



5" Deep Vertical Cable
Channel
41CMS-500



Horizontal Cable
Management Trough
41CMS-HCM

Connecting Blocks

Specifications and Features

66 Connecting Blocks
- Install individually or in pairs in cross-connect system
- High impact fire retardant UL-94V0 plastic
- Phosphor bronze quick-connect insulation displacement 66-clips
- 25- and split 50-pair styles
- Accessories include covers, brackets, wire distribution spools, adapters and bridging clips

Surface-Mount Mini Patch Panels
- Excellent for tight spaces and simple breakout patching
- Combine two or more panels for inline cross-connect
- Use with 25-pair cable assemblies
- Wall-mountable



A



B



C

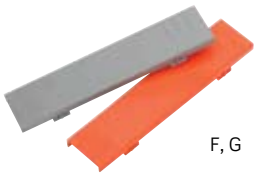


D



E





F, G

66 CONNECTING BLOCKS

Description	Cat. No.
[A] M Block: 25-pair (66M1-25)* 10" H x 3 5/16" W x 1 3/16" D	40066-M25
Split M Block: 50-pair (66M1-50)* 10" H x 3 5/16" W x 1 3/16" D	40066-M50
[B] M Block with female connector (66M1-50W)* 10" H x 3 5/16" W x 1 3/16" D	40066-0MW
[C] M Block with female and male connectors (66M1-50W2)* 10" H x 3 5/16" W x 1 3/16" D	40066-MW2
[D] Connectorized Demarc Block (66M1-50R)* 10" H x 3 13/32" W x 2 3/4" D, female amphenol	40066-0MR

BRIDGING CLIPS

Description	Cat. No.
[E] Bridging Clips (SA-1) (50 per package)	40067-0BC

HINGED COVERS AND SNAP-ON COVERS

Description	Cat. No.
Snap-on Cover for M blocks (66MC-4)* 9 15/16" H x 2 5/16" W x 5/16" D	40050-MCV
[F] Hinged Cover for M blocks: grey (66MC4LH-G)* 10" H x 2 5/16" W x 3/4" D	40050-MHG
[G] Hinged Cover for Demarc blocks: orange (66MC4LH-O)* 10" H x 2 7/16" W x 3/4" D	40050-MH0

*Numbers in brackets refer to industry product registration.

BRACKET FOR M BLOCKS AND CONNECTOR MOUNTING

Description	Cat. No.
[H] M-Block Bracket for connector mounting (89-D/QuickPort Blocks)* 10" H x 3 13/32" W x 1 1/2" D	40089-00D


H

MODULAR ADAPTERS

Description	Cat. No.
[I] 2-Position Modular Adapter (Tap™-2)*	40072-0T2
Converts two 66-clip contacts into 6P2C modular connector	
4-Position Modular Adapter (Tap™-4)*	40072-0T4
Converts four contacts into 6P4C modular connector	
6-Position Modular Adapter (Tap™-6)*	40072-0T6
Converts six contacts into 6P6C modular connector	
8-Position Modular Adapter, T568B wiring (Tap™-008)*	40072-0T8
Converts eight contacts into 8P8C non-keyed modular connector	

*Numbers in parentheses refer to industry product designation.


I

WIRE DISTRIBUTION SPOOLS

Description	Cat. No.
[J] Wire Distribution Spool (20-A)* 1 3/4" Dia. x 3" H	40054-0DS
[K] Wire Distribution Spool with screw (20-B)* 1 3/4" Dia. x 3" H	40054-DSS

*Numbers in parentheses refer to industry product designation.


J, K

SURFACE-MOUNT MINI PATCH PANELS

Description	Cat. No.
[L] 25 6-position 2-conductor (RJ11)* FCC Spec Jacks connected to a circuit board with one male 25-pair connector in surface-mount housing. Wired in standard T-R sequence (26-1, 27-2, 28-3, etc)	41600-001
[M] 25 6-position 2-conductor (RJ11)* FCC Spec Jacks connected to a circuit board with two bridged 25-pair connectors (one male and one female) in standard T-R sequence for series connection	41620-001
Mounting Magnets (20 per package)	49200-00M

*Numbers in parentheses refer to industry product designation.


L, M

Commercial Grade

Cords and Trunks

All Leviton patch cords are components of a category-rated network infrastructure solution that also includes connectors, patch panels, and approved Leviton partner cabling. For optimum performance and full system warranty, use a Leviton Contractor Program Installer to install your Leviton components.

Specifications and Features

Category 6A UTP & Shielded

- Component-rated for optimum channel performance
- Independently tested and verified by Intertek (ETL) to meet TIA component and channel requirements
- Provides exceptional alien crosstalk (AXT) Suppression in CAT 6A channel
- Same cord for UTP or Shielded installations
- Features narrow profile SlimLine plug for less congestion in higher density applications
- Strain relief boot ensures long-term network performance
- Snagless design prevents tab breakage
- Outside diameter of .240" is easier to manage
- 26-gauge stranded cable for maximum flexibility
- Leviton patch cord required for channel warranty

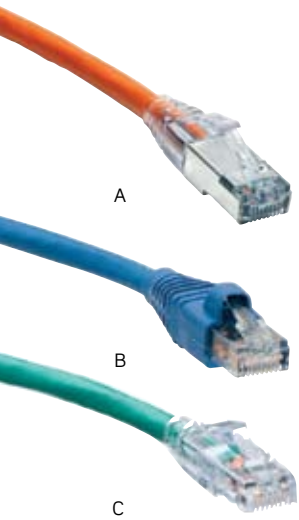
Category 6/5e UTP & Shielded

- Independently tested and verified by Intertek (ETL)
- CAT 6/5e cords are component-rated for optimum channel performance
- Available with standard or SlimLine cord styles
- Available in UTP and Shielded styles
- 24 AWG stranded cable for maximum flexibility
- Standard plugs feature overmolded boot to protect plug
- SlimLine cords feature narrow profile plug to reduce congestion in high density applications
- SlimLine cord strain relief boot ensures long-term network performance
- SlimLine cord snagless boot design prevents tab breakage
- Leviton patch cord required for channel warranty

COLOR CHOICES

To order colors, add suffix to Cat No.

White (-W)	Grey (-S)	Black (-E)	Red (-R)	Blue (-L)	Yellow (-Y)	Green (-G)	Orange (-O)



CATEGORY 6A SLIMLINE

Description	CAT 6A
[A] CAT 6A SlimLine Patch Cord	6AS10-xx*

UTP PATCH CORDS

Description	CAT 6	CAT 5e
[B] Standard UTP Patch Cord w/ Matching Boot	62460-xx*	5G460-xx*
[C] SlimLine UTP Patch Cord	6D460-xx*	5D460-xx*
SlimLine UTP Low Smoke Zero-Halogen (LSZH) Patch Cord	6Z460-††°	5Z460-††°

xx = Length: (03), (05), (07), (10), (15), or (20) feet. Custom length cords available. Call Customer Service for more information.
* = Choose colors from any of the colors above.
†† = Colors: Blue (BL), White (WH), Grey (GY) – [Only for LSZH].
° = Length (01), (02), (03) or (05) meters.

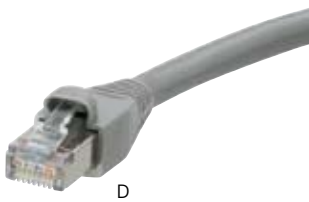
RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

SHIELDED PATCH CORDS

Description	CAT 6	CAT 5e
[D] Standard Shielded Patch Cord w/ Matching Boot, grey only	6S460-xxS	5S460-xxS

xx = Length: (03), (05), (07), (10), (15), or (20) feet. Custom length cords available, call Customer Service for more information.

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant


D

Pre-Terminated Copper Trunks

Specifications and Features

- Custom configured in pre-engineered lengths with customer specified connectors
- Fast and easy installation with reduced labor costs
- 100% factory tested, with test results included for each link
- UTP connectors utilize Leviton's patented Retention Force Technology (RFT) for consistent system reliability
- CAT 6A trunks all utilize Leviton's component-rated connectors, which provide excellent performance in lengths as short as 10 ft.
- Plugs utilize clear SlimLine design with snagless strain relief boot (available for UTP Cat 6/5e only)
- Terminated ends offered in "staggered" or "even" cut
- Customized breakout length from braided sleeve improves installation flexibility and appearance
- Each assembly receives an individualized serial number, and individual cables are numbered relative to that serial number (custom labeling available on request)
- Assemblies are eligible for the Leviton Lifetime Product and System Performance Warranty without further testing after installation (configurations with "open" termination option will require testing after field termination)
- Ideal for data center cabinets, telecommunications racks, and quick network deployment

Build your own! leviton.com / configurator


UTP jack to plug


UTP jack to jack


Shielded jack to shielded jack

COPPER TRUNK CONFIGURATION OPTIONS

Performance	Jack to Jack	Jack to Plug	Plug to Plug	Jack to Open	Plug to Open
CAT 5e, UTP	•	•	•	•	•
CAT 6, UTP	•	•	•	•	•
CAT 6A, UTP	•	•	•	•	•
CAT 5e, Shielded	•			•	
CAT 6, Shielded	•			•	
CAT 6A, Shielded	•	•	•	•	



Pulling Eye

A pulling eye is included on terminated ends of all multi-cable assemblies. Made of braided mesh, the pulling eye completely covers the breakout length, transferring any pulling force from the eye to the braided mesh sleeve, and protecting the cable from undue stress during installation. The pulling eye also protects connectors during shipment, ensuring reliable operation out of the box.

OPT-X Ultra® 1RU/2RU/4RU Rack-Mount Enclosures

Specifications and Features

- Stylish and innovative design for today's most advanced networks and settings
- Sliding tray removes completely from enclosure to facilitate field terminations and splicing
- Sliding tray glides forward and backward providing accessibility to front and rear bulkhead after installation
- 17" depth for high-density fiber termination and/or splicing
- Removable transparent hinged doors and slide away covers allow easy access during install and visibility of interior after install
- Patch cord bend radius guides minimize macro bending
- Stackable and adjustable fiber rings simplify cable management
- Constructed of durable polycarbonate plastic and 16 gauge steel, powder-coated black
- Multiple mounting bracket positions for 19" or 23" rack and cabinet installation (23" 1RU mounting bracket sold separately)
- Ideal for data centers, equipment rooms, entrance facilities, telecommunications rooms, 19" and 23" racks and cabinets

Build your own! leviton.com/configurator



A



B



C

OPT-X ULTRA RACK-MOUNT ENCLOSURES

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] Opt-X Ultra 1RU, empty, sliding tray	72	3	3	3	5R1UH-S03
[B] Opt-X Ultra 2RU, empty, sliding tray	144	6	6	6	5R2UH-S06
[C] Opt-X Ultra 4RU, empty, sliding tray	288	12	12	12	5R4UH-S12

Visit www.leviton.com/opt-xultra for more information, including detailed animation with 360˚ view of the enclosure.
*Maximum splice tray capacity is limited by height of selected splice tray.

Cable Management Ring Kit (includes four 1/4 Rings)



Cable Strain Relief Mounting Kit

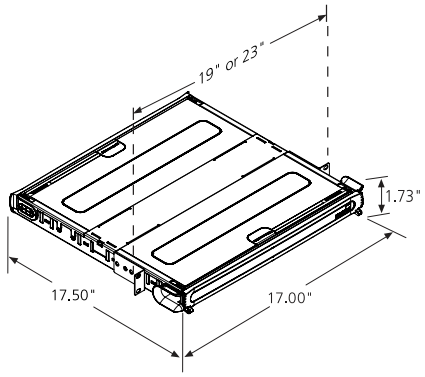


ACCESSORIES

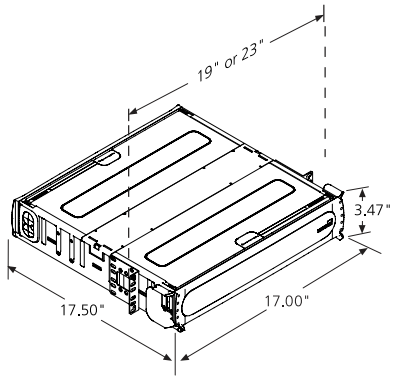
Description	Cat. No.
Fiber Cable Management 1/4 Ring Kit (Bag of four 1/4 rings)	5R100-14R
Opt-X Ultra Cable Clamp Kit	5RCMP-KIT
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Replacement Door	5D000-*UN
Replacement Door w/lock	5D000-*UL
Replacement Covers	5C000-RPL

* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

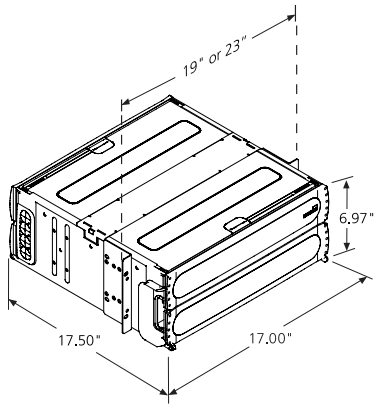
DIMENSIONS



Opt-X Ultra 1RU, empty, sliding tray
5R1UH-S03



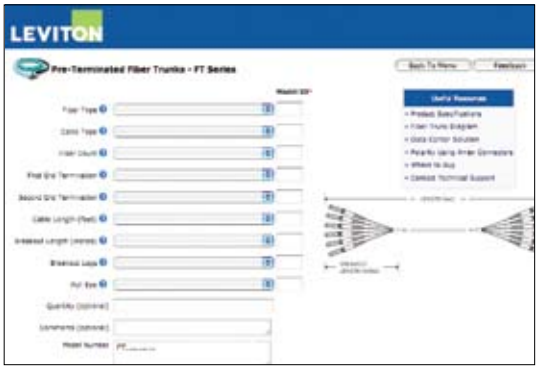
Opt-X Ultra 2RU, empty, sliding tray
5R2UH-S06



Opt-X Ultra 4RU, empty, sliding tray
5R4UH-S12

Leviton's Online Configurator

Customize your Opt-X Ultra®, flush-mount, and LightSpace® enclosures; MTP modules; and harnesses, trunk cables, patch cords, and pigtails with Leviton's easy-to-use configurators. Choose from a wealth of options to create the ideal fiber solutions for your needs. Build yours with our online configurator at www.leviton.com/configurator. Take the resulting model number and submit your quote request online or by phone. Leviton guarantees 24-hour turnarounds on all quote requests.



Commercial Grade

OPT-X® 1000 1RU/2RU/3RU/6RU Enclosures

Specifications and Features

- 1RU – front and rear removable tilt-up covers/doors provide access to bulkhead
- 2/3/6RU – removable hinged metal or smoked polycarbonate front and rear doors drop down flat to act as a work shelf
- Slide rail option allows easy installation of adapters and re-entry of enclosure
- Adjustable mounting bracket extends enclosure 4" from rail or allows flush mounting
- 1RU – available empty or preloaded with ST or SC adapters
- Self-healing grommet material protects cable and minimizes dust build-up
- Cable entrance ports on top, bottom, and sides allow cable from any direction
- Multiple cable tie-down features in front and back including adhesive-back hook and loop cable managers
- Two adjustable and stackable fiber management rings easily attach to mounting studs
- 12" depth for optimal fiber termination and splicing
- Ground terminal lug provides grounding option or cable strain relief
- Constructed of 18-gauge steel, powder-coated black
- Mounts on standard 19" and 23" racks and cabinets
- Ideal for equipment rooms and telecommunications rooms



A



B



C



D



E

OPT-X 1000 RACK-MOUNT ENCLOSURES (1RU)

Description	Maximum Capacity.					
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	w/Rails	w/o Rails
[A] Opt-X 1000 1RU, empty	72	3	3	3	5P130-00N	5R130-00N

OPT-X 1000 RACK-MOUNT ENCLOSURES (1RU) PRE-CONFIGURED

Description	w/Rails	w/o Rails
Opt-X 1000 1RU, loaded w/3 duplex SC-SM adapters	5P030-0HB	5R030-0HB
[B] Opt-X 1000 1RU, loaded w/6 duplex SC-SM adapters	5P230-0HB	5R230-0HB
[C] Opt-X 1000 1RU, loaded w/12 duplex SC-SM adapters	5P330-0HB	5R330-0HB
Opt-X 1000 1RU, loaded w/6 ST-MM adapters	5P030-0AB	5R030-0AB
[D] Opt-X 1000 1RU, loaded w/12 ST-MM adapters	5P230-0AB	5R230-0AB
[E] Opt-X 1000 1RU, loaded w/24 ST ST-MM adapters	5P330-0AB	5R330-0AB

*Maximum splice tray capacity is limited by height of selected splice tray.


A


B


C

OPT-X® 1000 RACK-MOUNT ENCLOSURES (2RU)

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
Opt-X 1000 2RU, empty, metal door (no lock)	144	6	6	6	5R430-00N
Opt-X 1000 2RU, empty, metal door and one lock/key	144	6	6	6	5R440-00N
[A] Opt-X 1000 2RU, empty, polycarbonate door (no lock)	144	6	6	6	5R460-00N

OPT-X 1000 RACK-MOUNT ENCLOSURES (3RU)

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
Opt-X 1000 3RU, empty, metal door (no lock)	288	12	12	12	5R730-00N
Opt-X 1000 3RU, empty, metal door and one lock/key	288	12	12	12	5R740-00N
[B] Opt-X 1000 3RU, empty, polycarbonate door (no lock)	288	12	12	12	5R760-00N

OPT-X 1000 RACK-MOUNT ENCLOSURES (6RU)

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
Opt-X 1000 6RU, empty, metal door (no lock)	576	24	24	24	5R930-00N
Opt-X 1000 6RU, empty, metal door and one lock/key	576	24	24	24	5R940-00N
[C] Opt-X 1000 6RU, empty, polycarbonate door (no lock)	576	24	24	24	5R960-00N

*Maximum splice tray capacity is limited by height of selected splice tray.

OPT-X® 500 & 250 Rack-Mount Enclosures

Specifications and Features

OPT-X 500 1RU/2RU/3RU Rack-Mount Enclosures

- One-piece removable cover/door allows for complete accessibility to the back of the enclosure and protects fibers
- 12" depth for optimal fiber termination and cable routing management
- Two adjustable fiber management rings easily attach to low profile mounting clips
- Two cable tie-down features in front, four in back
- Fixed mounting bracket extends enclosure 4" from rail
- Constructed of 18-gauge steel, powder-coated black
- Mounts on standard 19" racks and cabinets
- Recommended for telecommunications rooms, equipment rooms and 19" cabinets and racks

OPT-X 250 1RU Rack-Mount Panel

- Flush mount design for aesthetics and front access to bulkhead adapters
- Open back allows easy access and cable routing in all directions
- 7.7" depth for minimal space requirements
- Two adjustable fiber management rings easily attach to low profile mounting clips
- Constructed of 18-gauge steel, powder-coated black
- Mounts on standard 19" racks and cabinets
- Recommended for telecommunications rooms, equipment rooms and 19" cabinets and racks



OPT-X 500 & 250 RACK-MOUNT ENCLOSURES (1/2/3 RU)

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] Opt-X 500 1RU, empty, metal cover / door	72	3	N/A	3	5R1UA-A03
[B] Opt-X 500 2RU, empty, metal cover / door	144	6	N/A	6	5R2UA-A06
[C] Opt-X 500 3RU, empty, metal cover / door	288	12	N/A	12	5R3UA-A12
[D] Opt-X 250 1RU, empty, no cover	72	3	N/A	3	5R1UE-A03



Fiber Management Rings

ACCESSORIES

Description	Cat. No.
Fiber Management Rings, 2.5" diameter (2 per pack)	5R100-0FR

*Maximum splice tray capacity is limited by height of selected splice tray.

ACCESSORIES

Description	Cat. No.
Lock and Key	5L000-L0K
Slide Mount Kit* (use on 1, 2, and 3RU Opt-X)	5S100-SLM
Fiber Management Rings, 2 per pack, 2.5" diameter	5R100-0FR
2RU Metal Replacement Door	5D000-2RM
2RU Polycarbonate Replacement Door	5D000-2RP
3RU Replacement Metal Door	5D000-3RM
3RU Polycarbonate Replacement Door	5D000-3RP
1RU 23" Rack and Cabinet Mounting Brackets	5R1RU-023
1RU 23" Rack and Cabinet Mounting Brackets (use w/ slide rails)	5M100-SME
1RU Metal Replacement Door	5D000-1RM

*2 kits required on 3RU.

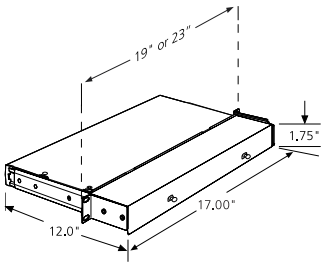


Fiber Management Rings

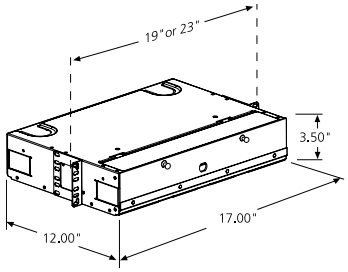


Slide Mount Kit

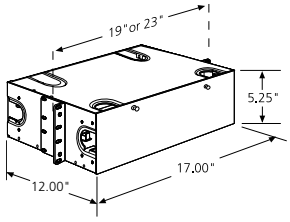
DIAGRAMS



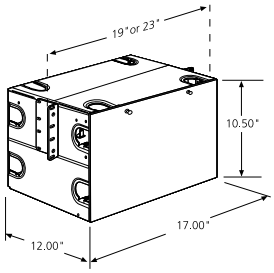
OPT-X 1000
Rack-Mount Enclosure,
1RU
5P*30-*** & 5R*30-***



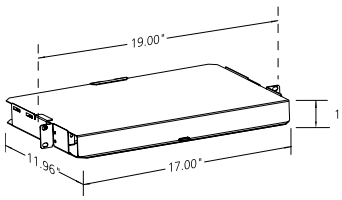
OPT-X 1000
Rack-Mount Enclosure,
2RU
5R4*0-00N



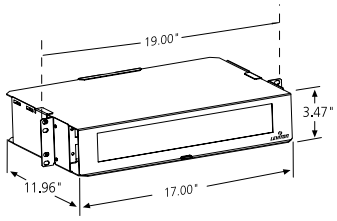
OPT-X 1000
Rack-Mount Enclosure,
3RU
5R7*0-00N



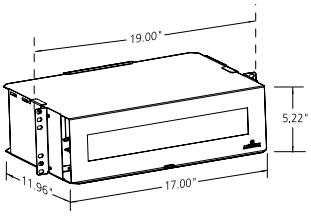
OPT-X 1000
Rack-Mount Enclosure,
6RU
5R9*0-00N



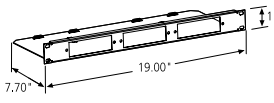
Opt-X 500
Rack-Mount Enclosure,
1RU
5R1UA-A03



Opt-X 500
Rack-Mount Enclosure,
2RU
5R2UA-A06



Opt-X 500
Rack-Mount Enclosure,
2RU
5R2UA-A06



Opt-X 250
Rack-Mount Enclosure,
1RU
5R1UE-A03

Commercial Grade

Replicator™ Enclosures

Features and Benefits

- Unique Logical Port Management (LPM) design
- Can be configured to replicate SAN, Core and Switch equipment
- Replicator kits available with trunks, MTP panels, and harnesses
- Full front access to all terminations via fold down panel
- Shallow depth allows back-to-back mounting in cabinets and 4-post racks for high-density applications
- Up to 384 channel capacity (768 fiber strands)
- Available with LC and MU connector interfaces
- For assistance configuring enclosure and/or kit, please call 1-866-923-7955

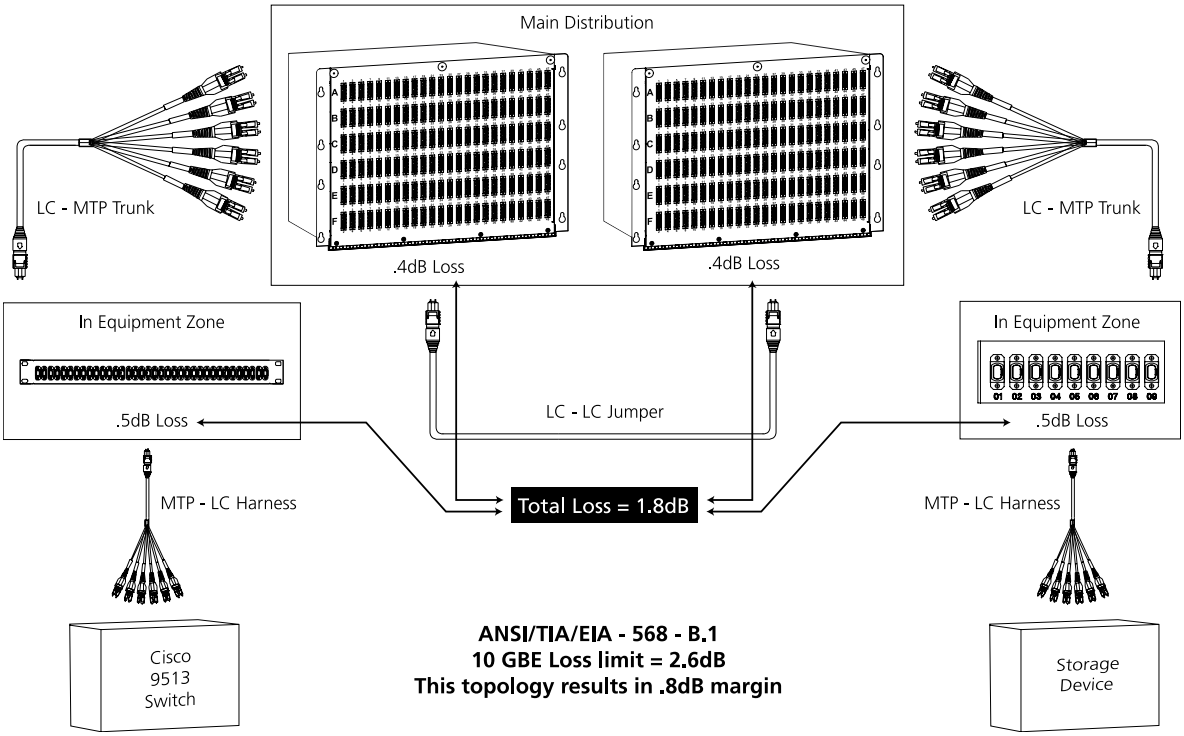


8RU 576-fiber LC-MTP LO MM for Cisco 9513 Multilayer Director Switch



Available kitted with trunks, MTP panels and harnesses

TYPICAL REPLICATOR KIT TOPOLOGY



High-Density Flush Mount Series Fiber Termination Panels and Enclosures

Features and Benefits

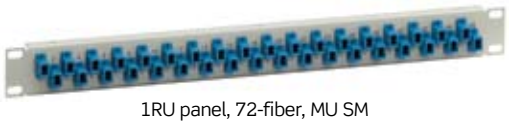
Panels

- Staggered, ergonomic design allows easy access to connectors
- Incorporates Logical Port Management (LPM) using custom silk-screening (Modular, Numeric and Hexadecimal) for easy port identification
- Constructed of 16-gauge steel, powder-coated black
- Flush mounts on standard 19" racks and cabinets
- Maximum capacity 48 channels or 96 fibers (using LC)
- Recommended for data center servers (Zone or MDA), equipment rooms, telecommunications rooms, 19" rack and cabinet applications

Enclosures

- Staggered, ergonomic design allows easy access to connectors (1RU, 6RU and 8RU enclosures only)
- Incorporates LPM using custom silk-screening (Modular, Numeric and Hexadecimal) for easy port identification
- 4RU accommodates 6-pack LightSpace® (LGX® footprint) adapter plates and plug-n-play modules
- 6RU and 8RU hinged front panel opens to 60 degrees for easy access and allows enclosures to be placed back to back in a single cabinet
- Custom configured options available
- Constructed of 16-gauge steel, powder-coated black
- Flush mounts on standard 19" racks and cabinets
- Maximum capacity (using LC) 1RU - 48 channels or 96 fibers, 4RU - 144 channels or 288 fibers, 6RU - 144 channels or 288 fibers, 8RU - 288 channels or 576 fibers
- Recommended for data center servers (Zone or MDA), equipment rooms, telecommunications rooms, 19" rack and cabinet applications

Flush Mount Panels



1RU panel, 72-fiber, MU SM



1RU panel, 72-fiber, LC MM

Build your own! leviton.com/configurator

Flush Mount Enclosures



1RU 48-fiber LC-MTP LO MM



4RU 144-fiber LC (no MTP) LO MM



6RU 288-fiber LC (no MTP) SM



8RU 576-fiber LC to MTP Lo MM

For assistance configuring your enclosure, please call 1-866-923-7955.

Commercial Grade

RDP Series Enclosures

Specifications and Features

- Removable sliding trays facilitate field termination and splicing (1RU/2RU only)
- Hinged metal doors and removable covers provide accessibility during installation
- 12" depth for optimal fiber termination and splicing
- Fiber management rings included
- Constructed of 16-gauge steel, powder-coated black
- Mounting brackets are interchangeable to accommodate 19" and 23" racks and cabinets
- Recommended applications include equipment rooms, telecommunications rooms, 19" and 23" racks & cabinets, and data centers





A



B



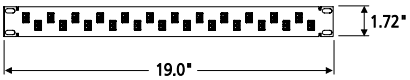
C

RDP RACK-MOUNT DISTRIBUTION ENCLOSURES, STANDARD PART NUMBERS

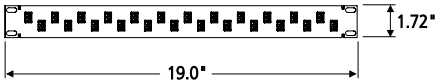
Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	And Splice Trays*	Or MTP Modules	
[A] RDP-175, 1RU, sliding tray	72	3	1	3	RDP1U-S03
[B] RDP-353, 2RU, fixed tray	144	6	3	6	RDP2U-F06
RDP-35X, 2RU, sliding tray	144	6	3	6	RDP2U-S06
[C] RDP-700, 4RU, fixed tray	288	12	4	12	RDP4U-F12

*Maximum splice tray capacity is limited by height of selected splice tray.

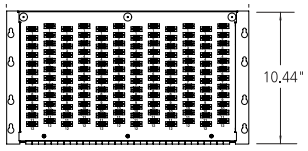
DIMENSIONS

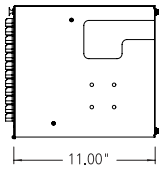


1RU Flush Mount Panel

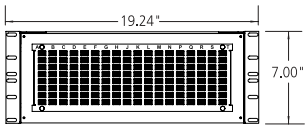


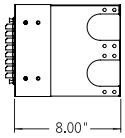
1RU Flush Mount Enclosure



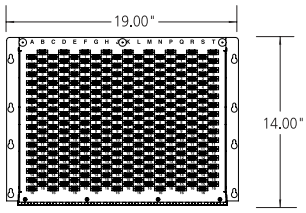


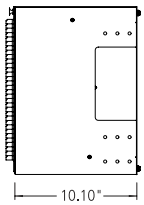
6RU Flush Mount Enclosure



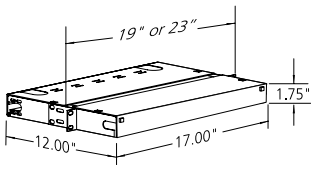


4RU Flush Mount Enclosure

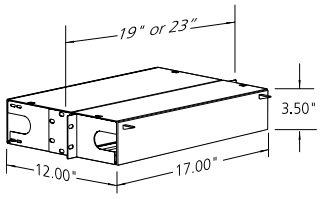




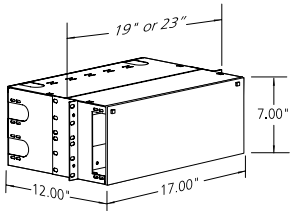
8RU Flush Mount Enclosure



RDP-175 Rack-Mount
Distribution Enclosure, 1RU
RDP1U-S03



RDP-353 (RDP-35x) Rack-Mount
Distribution Enclosure, 2RU
RDP2U-F06, RDP2U-S06



RDP-700 Rack-Mount
Distribution Enclosure, 4RU
RDP4U-F12

Commercial Grade

LightSpace® DP/DPS/DPC Series Rack Mount Enclosures



Specifications and Features

Recommended applications include Central Office or Head End, CLEC 19" and 23" Racks and Cabinets

Rack-Mount LightSpace Key features

- Large cable management rings for enhanced jumper routing
- Stackable for custom sizing
- Front cable management saddles
- Side entry for backbone cable
- Enclosures are custom configurable
- Constructed of high-strength aluminum, powder-coated central office white
- Mounts on standard 19" and 23" racks and cabinets

DP Series Optical Distribution Enclosures

- DP-525 and DP-700 accept Leviton LightSpace (LGX® footprint) 6- or 8-pack Adapter Plates
- DP-105 only accepts Lightspace 12-pack Adapter Plates
- Removable front door
- Rear door with key lock option
- Upper and lower patch cord bend radius brackets
- Flipcard for connector identification

DPS Series Optical Splice Enclosures

- Front accessibility to splice trays
- Removable front door with key lock option
- Rear door with key lock option
- Connector identification label

DPC Series Optical Distribution & Splice Enclosures

- All the features of DP and DPS Series Enclosures
- DPC-525 and DPC-700 accept Leviton LightSpace (LGX footprint) 6 or 8-pack Adapter Plates
- DPC-105 accepts LightSpace 12-pack Adapter Plates

Build your own! leviton.com/configurator



A



B



C

DP OPTICAL DISTRIBUTION ENCLOSURES, STANDARD PART NUMBERS

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays	... Or MTP Modules	
DP-525,3RU, empty	144	6	N/A	N/A	DP03U-STD
[A] DP-700, 4RU, empty	288	12	N/A	N/A	DP04U-STD
DP-105, 6RU, empty	288	12	N/A	N/A	DP06U-STD

DPS OPTICAL SPLICE ENCLOSURES, STANDARD PART NUMBERS

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
DPS-525, 3RU, empty	N/A	N/A	4	N/A	DPS3U-STD
[B] DPS-700, 4RU, empty	N/A	N/A	6	N/A	DPS4U-STD
DPS-105, 6RU, empty	N/A	N/A	12	N/A	DPS6U-STD

DPC OPTICAL DISTRIBUTION & SPLICE ENCLOSURES, STANDARD PART NUMBERS

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
DPC-525, 6RU, empty	144	6	4	N/A	DPC6U-033
DPC-752, 7RU, empty	288	12	4	N/A	DPC7U-043
[C] DPC-700, 8RU, empty	288	12	6	N/A	DPC8U-STD
DPC-105, 12RU, empty	288	12	12	N/A	DPC12-066

*Maximum splice tray capacity is limited by height of selected splice tray.

ACCESSORIES

Description	Part. No.
DP/DPS/DPC Cable Clamp Kit (.25"- 1.25" Dia)	DPCMP-UNV
Key Lock Kit	DPLOK-KIT
Grounding Kit	DPGRD-KIT



Cable Clamp Kit



Key Lock Kit



Grounding Kit

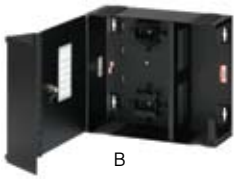
Opt-X® 1000 Wall-Mount Fiber Optic Enclosures

Specifications and Features

- Self-healing grommet material protects cable and minimizes dust build-up
- Adjustable fiber management rings easily attach to mounting studs
- Ground terminal lug provides grounding option or cable strain relief
- Cutout on side of enclosure allows access to adapter bulkhead when doors are open
- Door options: split with single lock on service side (optional lock available to install on customer side), solid with or without single lock on customer side
- Constructed of 16-gauge steel, powder-coated black
- Recommended for wall-mount telecommunications rooms, and equipment room applications



A



B

OPT-X 1000 SMALL WALL-MOUNT ENCLOSURES

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays	... Or MTP Modules	
Small, empty, solid metal door, no lock	48	2	N/A	2	5W110-00N
[A] Small, empty, split metal door and one lock/key	48	2	N/A	2	5W120-00N
Small, empty, solid metal door and lock/key	48	2	N/A	2	5W170-00N

OPT-X 1000 MEDIUM WALL-MOUNT ENCLOSURES

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
Medium, empty, solid metal door, no lock	96	4	6	4	5W310-00N
[B] Medium, empty, split metal door and one lock/key	96	4	6	4	5W320-00N
Medium, empty, solid metal door and one lock/key	96	4	6	4	5W370-00N

OPT-X 1000 LARGE WALL-MOUNT ENCLOSURES

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[C] Large, empty, solid metal door, no lock	288	12	6	12	5W710-00N
Large, empty, split metal door and one lock/key	288	12	6	12	5W720-00N
Large, empty, solid metal door and lock/key	288	12	6	12	5W770-00N

*Maximum splice tray capacity is limited by height of selected splice tray.

LightSpace® OCS & VSC Series Wall Mount Enclosures

Specifications and Features

OCS Series Optical Cable Storage & Splicing Enclosures

- Standard (OCS-12) accepts up to 12 Leviton metal splice trays
- High-density (OCS-18) accepts up to 18 Leviton metal splice trays
- Enclosures store up to 10 meters of OSP cable slack and 10 meters of buffer tube slack
- Full front access; individual access to each splice tray
- Configurable as a cable pull box and/or cable splice enclosure
- Document holder included
- Constructed of high-strength aluminum powder-coated central office white
- Custom configurations available. Call 1-866-923-7655 for more information
- Recommended for building entrance facilities and outside plant vault applications

VSC Series Vault Splice Enclosures

- Organize and manage optical fiber splices between outside plant (OSP) and indoor cable routed to cross-connect equipment
- Can be installed in a building entrance facility or outside plant vault
- Aluminum construction, heavy-duty door with gasket, and robust hinges and latches protect fiber from adverse conditions
- Document Holder included
- Custom configurations available. Call 1-866-923-7655 for more information



A



B

OCS OPTICAL STORAGE & SPLICING ENCLOSURES

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] OCS-12, empty	N/A	N/A	12	N/A	OCS12-STD
OCS-18, empty	N/A	N/A	18	N/A	OCS18-STD

VSC VAULT SPLICE ENCLOSURE

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[B] VSC Vault splice enclosure, empty	N/A	N/A	12	N/A	VSC12-STD

*Maximum splice tray capacity is limited by height of selected splice tray.

Commercial Grade



Cable Clamp Kit
(small)



Cable Clamp Kit
(large)



Grounding and Bonding Kit

OCS & VSC ACCESSORIES

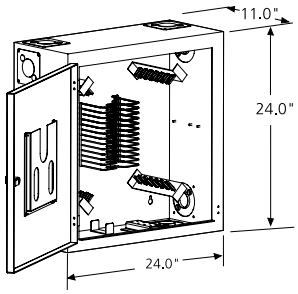
Description	Cat. No.
Cable Clamp Kit, small diameter cable (.25" - .50" dia)	VCCFK-0SM
Cable Clamp Kit, large diameter cable (.50" - .75" dia)	VCCFK-0LG
Grounding and Bonding Kit	VSCGB-KIT

LIGHTSPACE RACK-MOUNT ENCLOSURE FIBER DENSITY CHART

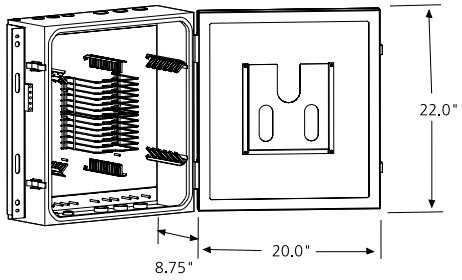
Rack-Mount Distribution Enclosures

RDP-175 Holds up to three 6-Pack or 8-Pack Plates	RDP-35X/RDP353 Holds up to six 6-Pack or 8-Pack Plates	RDP-700 Holds up to twelve 6-Pack or 8-Pack Plates
6-Packs = up to 18 Fibers	6-Packs = up to 36 Fibers	6-Packs = up to 72 Fibers
8-Packs = up to 24 Fibers	8-Packs = up to 48 Fibers	8-Packs = up to 96 Fibers
Duplex 6-Packs = up to 36 Fibers	Duplex 6-Packs = up to 72 Fibers	Duplex 6-Packs = up to 144 Fibers
Quad 6-Packs = up to 72 Fibers	Quad 6-Packs = up to 144 Fibers	Quad 6-Packs = up to 288 Fibers

DIMENSIONS



OCS Optical Cable Storage &
Splicing Enclosure
OCS12-STD & OCS18-STD



VSC Vault Splice Enclosures
VSC12-STD

LightSpace® CPS Series Customer Premise Splice Enclosures

Specifications and Features

- Single fixed left-hinged door with wide-swing radius design for easy access
- Top or bottom cable entry
- Enclosures are stackable allowing for additional capacity
- Padlock provision
- Constructed of high-strength aluminum powder-coated central office white
- Accepts all Leviton splice trays
- Recommended for central office or head end areas, enterprise, and wall mount applications



A



B



C

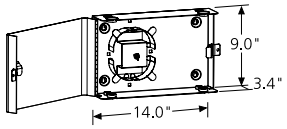
Build your own! leviton.com/configurator

CPS CUSTOMER PREMISE SPLICE ENCLOSURES, STANDARD PART NUMBERS

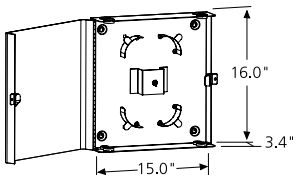
Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] CPS-12, empty	N/A	N/A	4	N/A	CPS12-STD
[B] CPS-24, empty	N/A	N/A	4	N/A	CPS24-STD
[C] CPS-48, empty	N/A	N/A	6	N/A	CPS48-STD

*Maximum splice tray capacity is limited by height of selected splice tray.

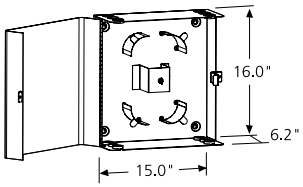
DIMENSIONS



CPS-12 Customer Premise Splice Enclosure
CPS12-STD



CPS-24 Customer Premise Splice Enclosure
CPS24-STD

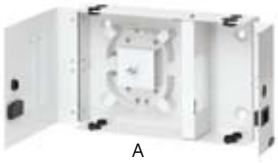


CPS-48 Customer Premise Splice Enclosure
CPS48-STD

LightSpace® CPC Series Customer Premise Enclosures

Specifications and Features

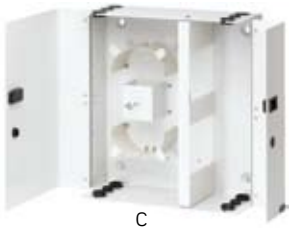
- Wide-swing radius doors provide full access during installation and maintenance
- Double doors with slam latches provide separation between service provider and customer
- Top or bottom cable entry
- Enclosures are stackable
- Constructed of high-strength aluminum powder-coated central office white
- Accepts all Leviton splice trays
- Recommended for central office or head end areas and wall mount applications



A



B



C

CPC CUSTOMER PREMISE ENCLOSURES, STANDARD PART NUMBERS

Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] CPC-12, empty	48	2	4	N/A	CPC12-STD
[B] CPC-24, empty	96	4	4	N/A	CPC24-STD
[C] CPC-48, empty	192	8	6	N/A	CPC48-STD

Build your own! leviton.com/configurator



CP Cable Clamp Kit (small)



CP Cable Clamp Kit (large)



CP Grounding Kit



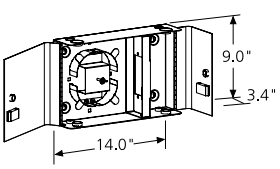
CP Key Lock Kit

CPS & CPC ACCESSORIES

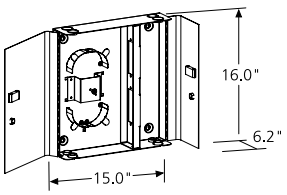
Description	Cat. No.
CP Cable Clamp Kit (small) (.25" - .50" diameter cable), use with CPC 12/24/48	CPCSR-001
CP Cable Clamp Kit (large) (.50" - .75" diameter cable), use with CPS 24/48	CPCSR-002
CP Grounding Kit, single cable	CPGRD-KIT
CP Key Lock Kit	CPLOK-KIT

*Maximum splice tray capacity is limited by height of selected splice tray.

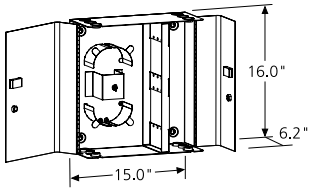
DIMENSIONS



CPC-12 Customer Premise Enclosure
CPC12-STD



CPC-24 Customer Premise Enclosure
CPC24-STD



CPC-48 Customer Premise Enclosure
CPC48-STD

Network Interface Devices (NIDS)

Specifications and Features

- 3500 model has double upper-hinge doors
- 502H model has a single upper-hinge door
- 530 model has single left-hinge door
- 502H and 3500 models have padlock provision for added security
- All enclosures are custom configurable
- Unique hinging mechanism holds the door open for easy installation and servicing
- Meets Telecordia GR-49 CORE (General Requirement for Outdoor Telephone Network Interface Devices)
- Recommended for demarcation points, telecommunications rooms, equipment rooms and wall mount applications



A



B



C

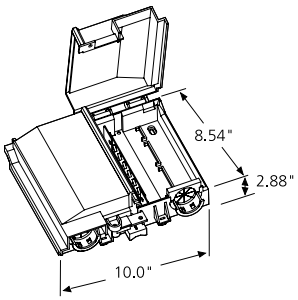
Build your own! leviton.com/configurator

NETWORK INTERFACE DEVICES (NIDS), STANDARD PART NUMBERS

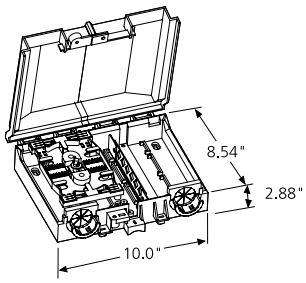
Description	Maximum Capacity				Cat. No.
	Fibers (using LC)	Adapter Plates	... And Splice Trays*	... Or MTP Modules	
[A] NID 3500, double door, empty	12	1	1	N/A	N3500-STD
[B] NID 502H, single door, empty	12	1	1	N/A	N502H-STD
[C] NID 530, single door, left hinge, empty	8	2 Adapters	1	N/A	N5300-STD

*Maximum splice tray capacity is limited by height of selected splice tray.

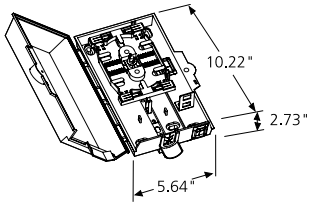
DIMENSIONS



3500 Network Interface Device
N3500-STD



502H Network Interface Device
N502H-STD

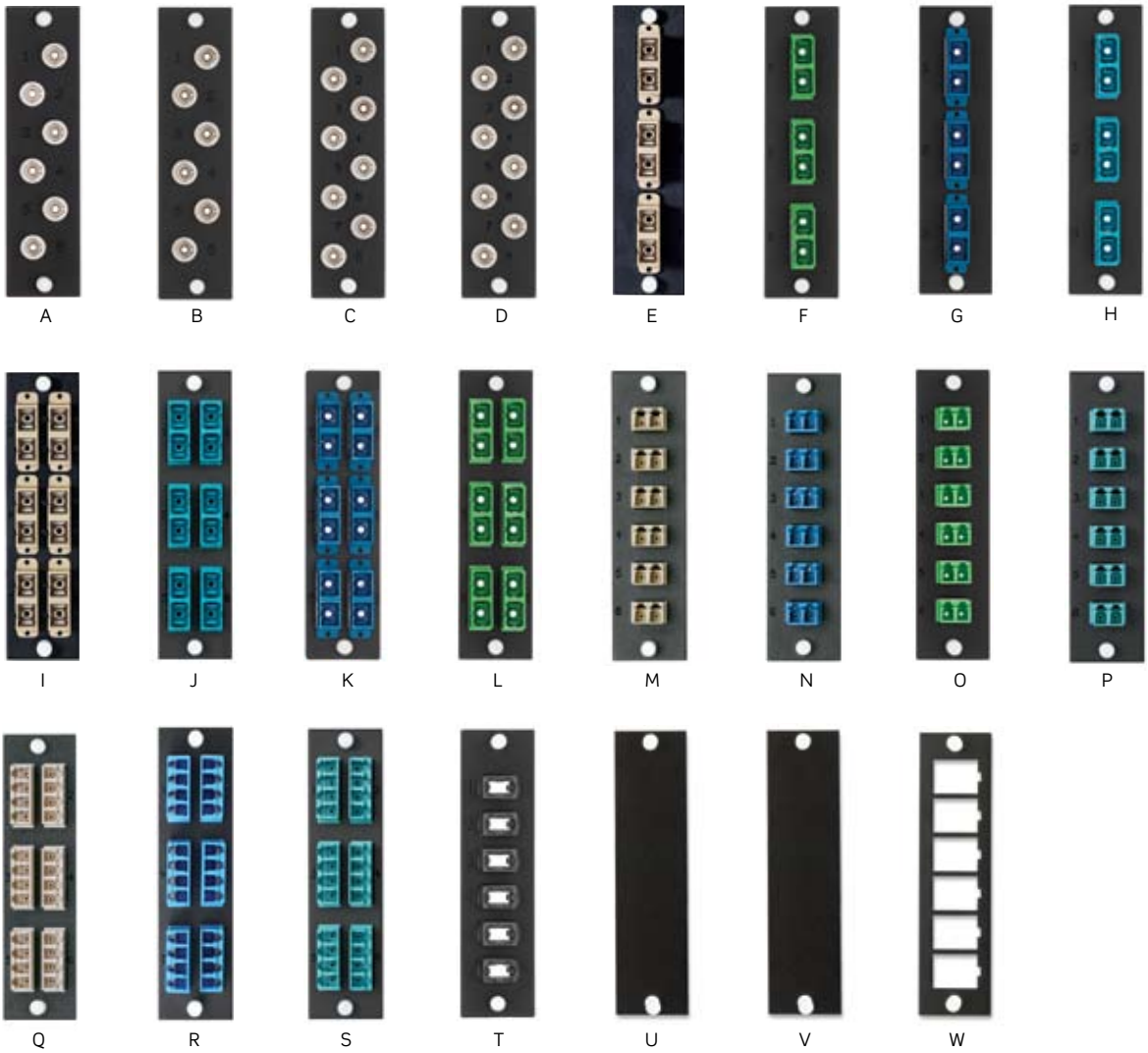


530 Network Interface Device
N5300-STD

Opt-X® Adapter Plates

Specifications and Features

- Unique design works with Leviton's exclusive Opt-X series, including the new advanced Opt-X Ultra®, as well as Opt-X 1000, Opt-X 500, and Opt-X 250 Enclosures
- Using Opt-X style plates allows use of up to twelve plates (even quad LCs) in a 3RU enclosure
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Available in 3-, 6- and 8-pack (6 to 24 fibers)
- Fits in all Opt-X Rack-mount and Wall-mount Enclosures and VertiGO® Panels
- Available in ST, SC, LC, and MTP

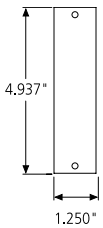


OPT-X® FIBER ADAPTER PLATES*

Description	Cat. No.
[A] 6-Pack ST MM, (6-fiber) phos. bronze sleeve	5F100-1ST
[B] 6-Pack ST SM, (6-fiber) zirconia ceramic sleeve	5F100-6ZT
[C] 8-Pack ST MM, (8-fiber) phos. bronze sleeve	5F100-8ST
[D] 8-Pack ST SM, (8-fiber) zirconia ceramic sleeve	5F100-8ZT
[E] 3-Pack Duplex SC MM, (6-fiber) beige, phos. bronze sleeve	5F100-3BC
[F] 3-Pack Duplex SC SM, (6-fiber) green, zirconia ceramic sleeve	5F100-3CA
[G] 3-Pack Duplex SC SM, (6-fiber) blue, zirconia ceramic sleeve	5F100-3ZC
[H] 3-Pack Duplex SC MM laser optimized, (6-fiber) aqua, zirconia ceramic sleeve	5F100-3AC
[I] 6-Pack Duplex SC MM, (12-fiber) beige, phos. bronze sleeve	5F100-6BC
[J] 6-Pack Duplex SC MM laser optimized, (12-fiber) aqua, zirconia ceramic sleeve	5F100-6AC
[K] 6-Pack Duplex SC SM, (12-fiber) blue, zirconia ceramic sleeve	5F100-6ZC
[L] 6-Pack Duplex SC SM, (12-fiber) green, zirconia ceramic sleeve	5F100-6CA
[M] 6-Pack Duplex LC MM, (12-fiber) beige, phos. bronze sleeve	5F100-12P
[N] 6-Pack Duplex LC SM, (12-fiber) blue, zirconia ceramic sleeve	5F100-12Z
[O] 6-Pack Duplex LC SM, (12-fiber) green, zirconia ceramic sleeve	5F100-12V
[P] 6-Pack Duplex LC MM laser optimized, (12-fiber) aqua, zirconia ceramic sleeve	5F100-12A
8-Pack LC MM, (16 fiber) beige, phos. bronze sleeve	5F100-16P
8-Pack LC MM, (16 fiber) aqua, phos. bronze sleeve	5F100-16A
8-Pack LC SM, (16 fiber) blue, phos. bronze sleeve	5F100-16Z
[Q] 6-Pack Quad LC MM, (24-fiber) beige, phos. bronze sleeve	5F100-24P
[R] 6-Pack Quad LC SM, (24-fiber) blue, zirconia ceramic sleeve	5F100-24Z
[S] 6-Pack Quad LC MM, (24-fiber) laser optimized aqua, zirconia ceramic sleeve	5F100-24A
[T] 6-Pack MTP MM (72-fiber)	5F100-6MP
[U] Blank plate, plastic	5F100-BPP
[V] Blank plate, metal	5F100-BLK
[W] 6-Pack, QuickPort®, empty	5F100-6QP

*Not for use with LightSpace® Enclosures. Additional adapter plate configurations available. Please contact Customer Service for more information.

DIMENSIONS



Opt-X Blank Plate
5F100-BLK

OPT-X ENCLOSURE DENSITY CHART

Rack-Mount Enclosures

1RU Holds up to 3 Adapter Plates	2RU Holds up to 6 Adapter Plates	3/4RU Holds up to 12 Adapter Plates	6RU Holds up to 24 Adapter Plates
6-pack ST = up to 18 Fibers	6-pack ST = up to 36 Fibers	6-pack ST = up to 72 Fibers	6-pack ST = up to 144 Fibers
8-pack ST = up to 24 Fibers	8-pack ST = up to 48 Fibers	8-pack ST = up to 96 Fibers	8-pack ST = up to 192 Fibers
3-pack Duplex SC = up to 18 Fibers	3-pack Duplex SC = up to 36 Fibers	3-pack Duplex SC = up to 72 Fibers	3-pack Duplex SC= up to 144 Fibers
6-pack Duplex SC = up to 36 Fibers	6-pack Duplex SC = up to 72 Fibers	6-pack Duplex SC = up to 144 Fibers	6-pack Duplex SC = up to 288 Fibers
6-pack Duplex LC = up to 36 Fibers	6-pack Duplex LC = up to 72 Fibers	6-pack Duplex LC = up to 144 Fibers	6-pack Duplex LC = up to 288 Fibers
6-pack Quad LC = up to 72 Fibers	6-pack Quad LC = up to 144 Fibers	6-pack Quad LC = up to 288 Fibers	6-pack Quad LC = up to 576 Fibers

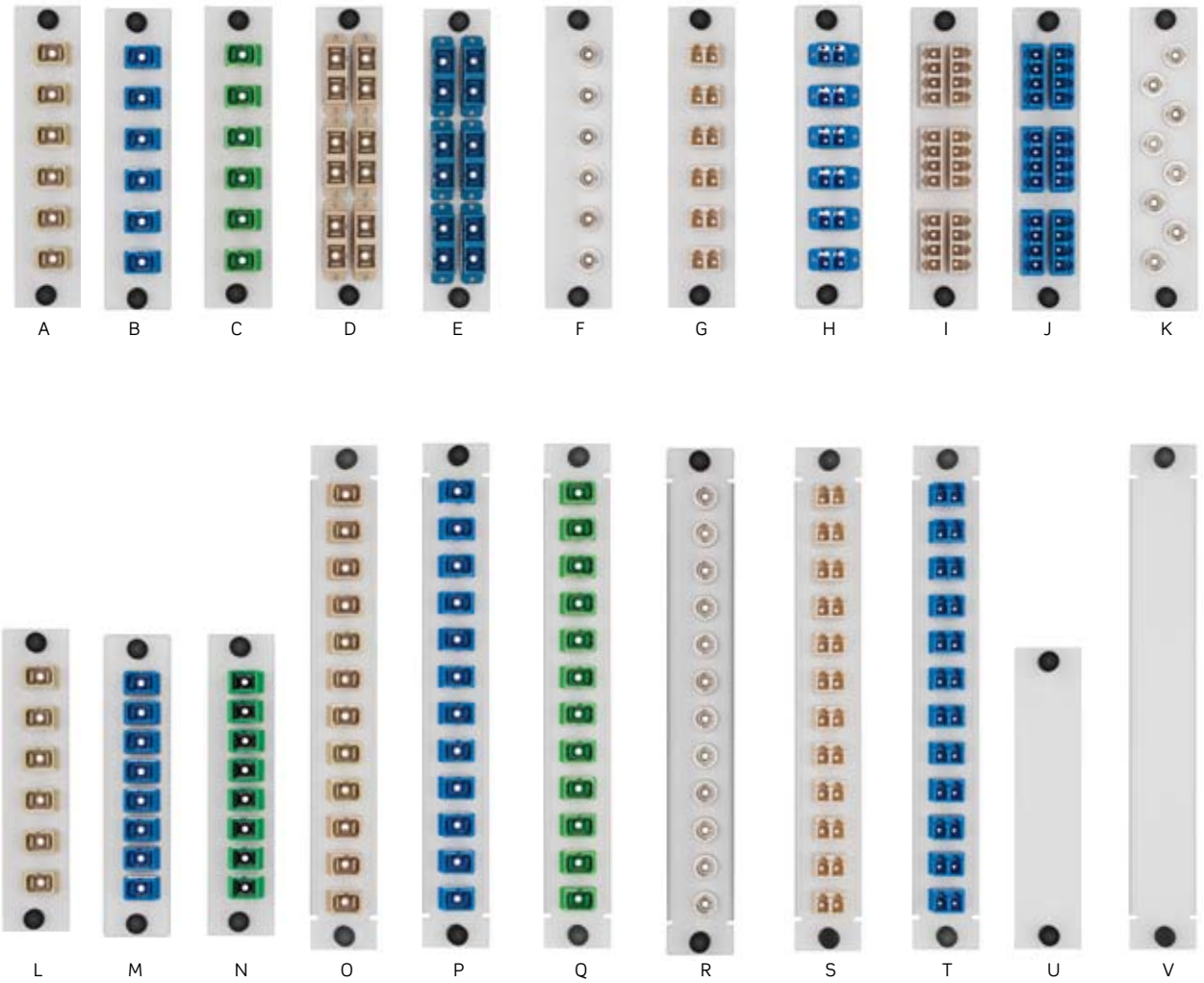
Wall-Mount Enclosures

Small Holds up to 2 Adapter Plates	Medium Holds up to 4 Adapter Plates	Large Holds up to 12 Adapter Plates
6-pack ST = up to 12 Fibers	6-pack ST = up to 24 Fibers	6-pack ST = up to 72 Fibers
8-pack ST = up to 16 Fibers	8-pack ST = up to 32 Fibers	8-pack ST = up to 96 Fibers
3-pack Duplex SC= up to 12 Fibers	3-pack Duplex SC= up to 24 Fibers	3-pack Duplex SC= up to 72 Fibers
6-pack Duplex SC = up to 24 Fibers	6-pack Duplex SC = up to 48 Fibers	6-pack Duplex SC = up to 144 Fibers
6-pack Duplex LC = up to 24 Fibers	6-pack Duplex LC = up to 48 Fibers	6-pack Duplex LC = up to 144 Fibers
6-pack Quad LC = up to 48 Fibers	6-pack Quad LC = up to 96 Fibers	6-pack Quad LC = up to 288 Fibers

LightSpace® Adapter Plates

Specifications and Features

- Industry standard style (LGX® footprint) adapter plates fit in all LightSpace wall-mount and rack-mount enclosures. plus RDP, NIDs, and Flush Mount Series (4RU) enclosures
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Available in 6-, 8-, and 12-packs
- All 6- and 8-packs also available in black
- Available in SC, ST, LC, MTP

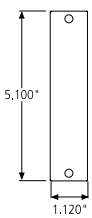


LIGHTSPACE® FIBER ADAPTER PLATES

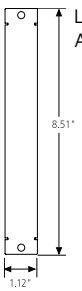
Description	Cat. No.
6-Pack (Black), Duplex SC LO MM, (12 fibers) aqua, zirconia ceramic sleeve	APLB6-SDL
6-Pack (Black), Duplex LC LO MM, (12 fibers) aqua, zirconia ceramic sleeve	APLB6-LDL
6-Pack (Black), Quad LC LO MM, (24 fibers) aqua, zirconia ceramic sleeve	APLB6-LQL
[A] 6-Pack, SC MM (6 fibers) beige, phos. bronze sleeve	APL*6-SCM
[B] 6-Pack, SC SM (6 fibers) blue, zirconia ceramic sleeve	APL*6-SCS
[C] 6-Pack, SC/APC SM (6 fibers) green, zirconia ceramic sleeve	APL*6-SCA
6-Pack Duplex SC/APC SM (12 fibers), green, zirconia ceramic sleeve	APL*6-SDA
[D] 6-Pack, Duplex SC MM (12 fibers) beige, phos. bronze sleeve	APL*6-SDM
[E] 6-Pack, Duplex SC SM (12 fibers) blue, zirconia ceramic sleeve	APL*6-SDS
6-Pack, ST MM (6 fibers), phos. bronze sleeve	APL*6-STM
[F] 6-Pack, ST SM (6 fibers), zirconia ceramic sleeve	APL*6-STS
[G] 6-Pack, Duplex LC MM (12 fibers) beige, phos. bronze sleeve	APL*6-LDM
[H] 6-Pack, Duplex LC SM (12 fibers) blue, zirconia ceramic sleeve	APL*6-LDS
[I] 6-Pack, Quad LC MM (24 fibers) beige, phos. bronze sleeve	APL*6-LQM
[J] 6-Pack, Quad LC SM (24 fibers) blue, zirconia ceramic sleeve	APL*6-LQS
6-Pack, MTP, MM (72 fibers)	APL*6-6MP
[K] 8-Pack, ST MM (8 fibers), phos. bronze sleeve	APL*8-STM
8-Pack, ST SM (8 fibers), zirconia ceramic sleeve	APL*8-STS
[L] 8-Pack (White), SC MM (8 fibers) beige, phos. bronze sleeve	APLW8-SCM
[M] 8-Pack (White), SC SM (8 fibers) blue, zirconia ceramic sleeve	APLW8-SCS
[N] 8-Pack (White), SC/APC SM (8 fibers) green, zirconia ceramic sleeve	APLW8-SCA
[O] 12-Pack (White), SC MM (12 fibers) beige, phos. bronze sleeve (DP or DPC 105 Encl Only)	APL12-SCM
[P] 12-Pack (White), SC SM (12 fibers) blue, zirconia ceramic sleeve (DP or DPC 105 Encl Only)	APL12-SCS
[Q] 12-Pack (White), SC/APC SM (12 fibers) green, zirconia ceramic sleeve (DP or DPC 105 Encl Only)	APL12-SCA
12-pack (White), ST MM (12 fibers) beige, phos. bronze sleeve (DP or DPC 105 Encl Only)	APL12-STM
[R] 12-Pack (White), ST SM (12 fibers) blue, zirconia ceramic sleeve (DP or DPC 105 Encl Only)	APL12-STS
[S] 12-Pack (White), Duplex LC MM (24 fibers) beige, phos. bronze sleeve (DP or DPC 105 Encl Only)	APL12-LDM
[T] 12-Pack (White), Duplex LC SM (24 fibers) blue, zirconia ceramic sleeve (DP or DPC 105 Encl Only)	APL12-LDS
[U] Blank Plate, metal	APL*6-BLK
[V] 12-Pack (White), blank (DP or DPC 105 Encl Only)	APL12-BLK
6-Pack (Black), QuickPort®, empty	APLB6-6QP

Additional adapter plate configurations available. Please contact Customer Service for more information.
*** = Color: Black (B), White (W).**

DIMENSIONS



LightSpace 6- & 8-Pack Blank Plate
APL*-BLK



LightSpace 12-Pack Blank Plate
APL12-BLK

OPTICAL DISTRIBUTION ENCLOSURES

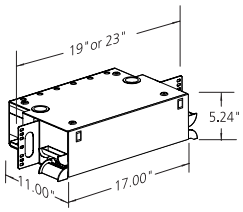
DP-525/DPC-525 Holds up to six 6-Pack or 8-Pack Plates	DP-700/DPC-700 Holds up to twelve 6-Pack or 8-Pack Plates	DP-105/DPC-105 Holds up to twelve 12-Pack Plates
36 Fibers w/ 6-Packs	72 Fibers w/ 6-Packs	144 Terminations w/ 12-Packs
48 Fibers w/ 8-Packs	96 Fibers w/ 8-Packs	
72 Fibers w/ Duplex 6-Packs	144 Fibers w/ Duplex 6-Packs	
144 Fibers w/ Quad 6-Packs	288 Fibers w/ Quad 6-Packs	

LIGHTSPACE® WALL-MOUNT ENCLOSURE FIBER DENSITY CHART

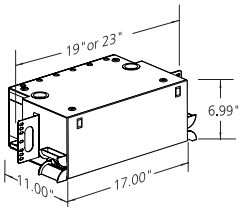
Customer Premise Enclosures

CPC-12 Holds up to two 6-Pack or 8-Pack Plates	CPC-24 Holds up to four 6-Pack or 8-Pack Plates	CPC-48 Holds up to eight 6-Pack or 8-Pack Plates
12 Fibers w/ 6-Packs	24 Fibers w/ 6-Packs	48 Fibers w/ 6-Packs
16 Fibers w/ 8-Packs	32 Fibers w/ 8-Packs	64 Fibers w/ 8-Packs
24 Fibers w/ Duplex 6-Packs	48 Fibers w/ Duplex 6-Packs	96 Fibers w/ Duplex 6-Packs
48 Fibers w/ Quad 6-Packs	96 Fibers w/ Quad 6-Packs	192 Fibers w/ Quad 6-Packs

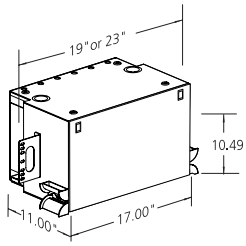
DIMENSIONS



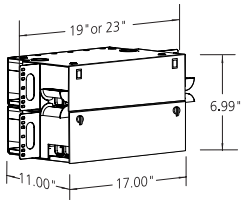
DP-525 Optical Distribution Enclosure or
DPS-525 Optical Splice Enclosure, 3RU
DP03U-STD, DPS3U-STD



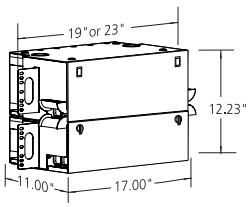
DP-700 Optical Distribution Enclosure or
DPS-700 Optical Splice Enclosure, 4RU
DP04U-STD, DPS4U-STD



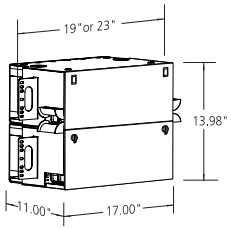
DP-105 Optical Distribution Enclosure or
DPS-105 Optical Splice Enclosure, 6RU
DP06U-STD, DPS6U-STD



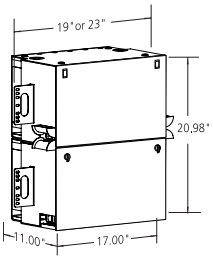
DPC-525 Optical Distribution
and Splice Enclosure, 6RU
DPC6U-033



DPC-752 Optical Distribution
and Splice Enclosure, 7RU
DPC7U-043



DPC-700 Optical Distribution
and Splice Enclosure, 8RU
DPC8U-044



DPC-105 Optical Distribution
and Splice Enclosure, 12RU
DPC12-066

Splice Trays

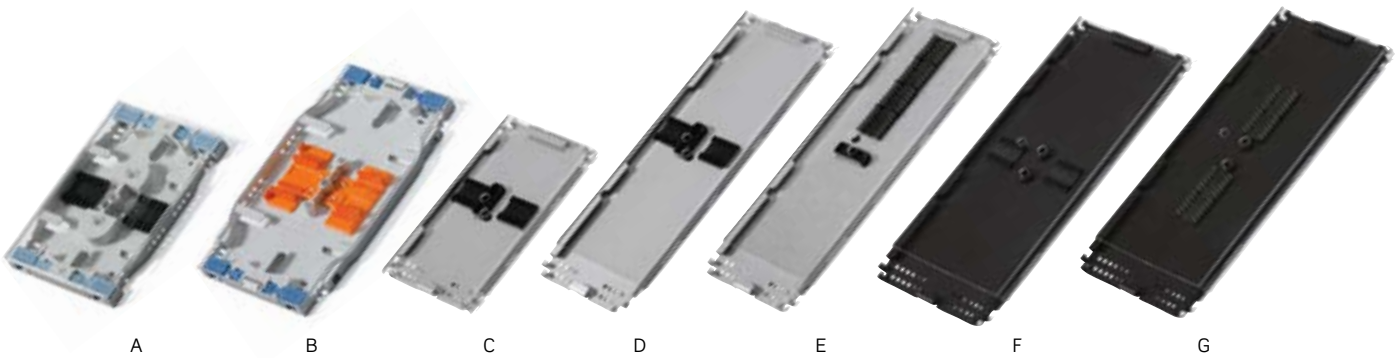
Specifications and Features

Injection Molded Splice Trays

- 12-fiber mini and 24-fiber high-density splice trays
- Protect and manage heat shrink style spliced fibers
- Heat shrink splice sleeves included
- Ratchet action clamps with foam rubber padding minimize damage to fibers
- Compatible with Leviton's Opt-X Ultra® and 1000 Series, plus LightSpace® Wall-Mount Enclosures
- 12-fiber splice tray compatible with Leviton Network Interface Devices (NIDs)

Metal Splice Trays

- Available in 4" and 5" sizes with 12 or 24 fiber capacity
- Heat shrink, heat shrink foam, and bare fusion styles available
- Mounting holes with space blocks prevent fiber damage
- Compatible with Opt-X®, LightSpace®, and RDP enclosures



A B C D E F G

INJECTION MOLDED SPLICE TRAYS

Description	Cat. No.
[A] 12-Fiber Mini, 3.74" x 5.59" x 0.56" (14 Heat shrink splice sleeves included)	T5PLS-12F
[B] 24-Fiber High-density, 4.5" x 7.63" x 0.50" (26 Heat shrink splice sleeves included)	T5PLS-24F

METAL SPLICE TRAYS

Description	Heat Shrink (plastic)	Heat Shrink (foam)	Bare Fusion
[C] 12-Fiber Mini, 4" x 7" x 0.35"	T47HS-P06		T47BF-P06
12-Fiber Mini with standoff 4" x 7" x 0.57"	5T000-00T		
[D] 12-Fiber Standard, 4" x 11.75" x 0.35"	T4LHS-P06	T4LHS-F06	T4LBF-P06
[E] 24-Fiber High-density, 4" x 11.75" x 0.35"	T4LHS-P12	T4LHS-F12	T4LBF-P12
12-Fiber Mini, 5" x 7" x 0.35"	T5MHS-P06	T5MHS-F06	T5MBF-P06
[F] 12-Fiber Standard, 5" x 11.75" x 0.35"	T5LHS-P06	T5LHS-F06	T5LBF-P06
[G] 24-Fiber High-density, 5" x 11.75" x 0.35"	T5LHS-B12	T5LHS-F12	T5LBF-P12

RIBBON STYLE SPLICE TRAYS

Description	Cat. No.
72-Fiber Ribbon Style, quartz, 6" x 10" x 0.35"	T6XRB-40Q

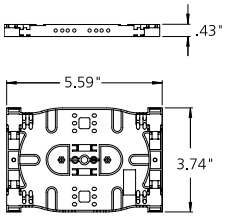
ACCESSORIES

Description	Cat. No.
Splice Tray Mounting Hardware Kit	SPLMT-HKT

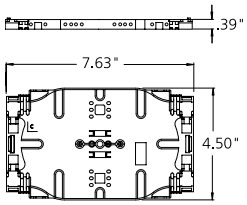


Splice Tray Mounting Hardware Kit

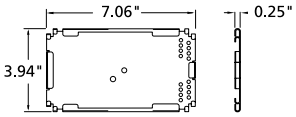
DIMENSIONS



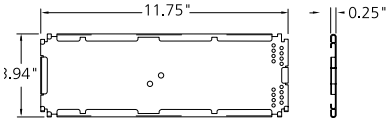
12-Fiber Mini Injection Molded Splice Tray
T5PLS-12F



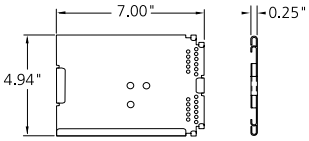
24-Fiber High-Density Injection Molded Splice Tray
T5PLS-24F



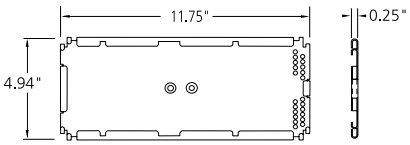
4" Mini Metal Splice Tray
T47xx-P06



4" Standard Metal Splice Tray
T4Lxx-***



5" Mini Metal Splice Tray
T5Mxx-*06



5" Standard Metal Splice Tray
T5Lxx-***

Splice Holders & Sleeves

Specifications and Features

Splice Holders
- 6 and 12 fiber designs in foam and solid plastic options
- Mini, micro, and mechanical options available
- Styles accommodate the entire range of Leviton fusion splice sleeves

Fusion Splice Sleeves
- Standard 40 and 60mm sizes plus mini and micro sleeves for smaller trays and fibers
- Precise lengths free of all burrs and sharp edges
- Clear outer tube for viewing fiber color


A


B


C


D


E


F


G


H


I

SPLICE HOLDERS

Description	Part No.
[A] Splice Holder, Heat Shrink (black plastic), 6 fiber capacity	FSHHS-P06
Splice Holder, Heat Shrink (black plastic), 8 fiber capacity	FSHHS-P08
[B] Splice Holder, Heat Shrink (black foam), 6 fiber capacity	FSHSL-F06
[C] Splice Holder, Mini Sleeves (black foam), 6 fiber capacity	FSHMI-F06
[D] Splice Holder, Micro Sleeves (black foam), 6 fiber capacity	FSHMR-F06
Splice Holder, Bare Fusion, 12 fiber capacity	FSHBF-P12
[E] Splice Holder, Heat Shrink (LGX® footprint), 6 fiber capacity	FSHAT-F06
Splice Holder, Ribbon, 6 position, 72 fiber capacity	FSHRB-F06

FUSION SPLICE SLEEVES

Description	[F] Standard 50/Pack	Slim 100/Pack	[G] Mini 100/Pack	[H] Micro 100/Pack	Ribbon 25/Pack
Fusion Splice Sleeve, 60mm	FSSSD-060	FSSSL-060			
Fusion Splice Sleeve, 40mm	FSSSD-040	FSSSL-040	FSSMI-040	FSSMR-040	
Fusion Splice Sleeve, 25mm		FSSSL-025	FSSMI-025	FSSMR-025	
[I] Fusion Splice Sleeve, polyethermide, 40mm					FSSRB-P40
Fusion Splice Sleeve, quartz, 40mm					FSSRB-Q40

Fiber Optic Fan-Out Kits

Specifications and Features

- Protect bare fiber and prepare loose tube cable for direct termination to industry standard connectors
- Separate 250µm fibers and route into color-coded 900µm buffer tubes with no proprietary tools
- Available in 6- or 12-strand kits and 24" or 36" lengths
- Works with cabling from any manufacturer (will accommodate buffer tube diameter up to 3.5mm max)

FIBER OPTIC FAN-OUT KIT

Description	Cat. No.
[A] 24" Fiber Optic Fan-Out Kit, 6-fiber	49887-06S
24" Fiber Optic Fan-Out Kit, 12-fiber	49887-12S
36" Fiber Optic Fan-Out Kit, 6-fiber	49887-06L
36" Fiber Optic Fan-Out Kit, 12-fiber	49887-12L
Fan-Out Consumables Kit	49800-FAN



A

MTP Modules

Features and benefits

- New space-saving design with notched back has a smaller footprint and bend excellent radius control
- Available in Opt-X® and LightSpace® (LGX® footprint) styles
- Plug-n-Play module eliminates need for field termination or splices
- Each module supports up to 24 fibers (LC)
- MTP Modules are installed in place of adapter plates and/or splice trays
- See specific enclosure pages for MTP Module capacity




24-fiber LC-MTP LOMM


12-fiber SC-MTP SM



LEVITON

Commercial Grade

Harnesses

Features and Benefits

- Pre-terminated MTP to discrete connectors (SC, LC, MU, ST, MTRJ) in all fiber types
- Custom short length cable for cabinet/rack patching
- Custom staggering available
- Straight polarity configuration
- Used in conjunction with MTP brackets (Zero-U) or Flush Mount Series MTP 1RU panels as Plug-n-Play solution

Build your own! leviton.com / configurator



MTP to LC, LOMM



MTP to SC, SM



MTO to SC, LOMM

Pre-Terminated Trunk Cables

Features and Benefits

- Plug-n-Play fiber eliminates the need for field terminations or splices
- Up to 70% faster install
- All orders customized for length, staggering, connector type, breakout style, fiber count, labeling, and rating
- Available encased in innerduct or flexible metal conduit
- Discrete connectors are heat cured and use ceramic ferrules and sleeves for consistent performance
- Optional pulling eye protects connectors and eases installation
- Available in ST, SC, FC, LC, MU, MT-RJ, and MTP

Build your own! leviton.com / configurator



LC-LC



MTP-LC

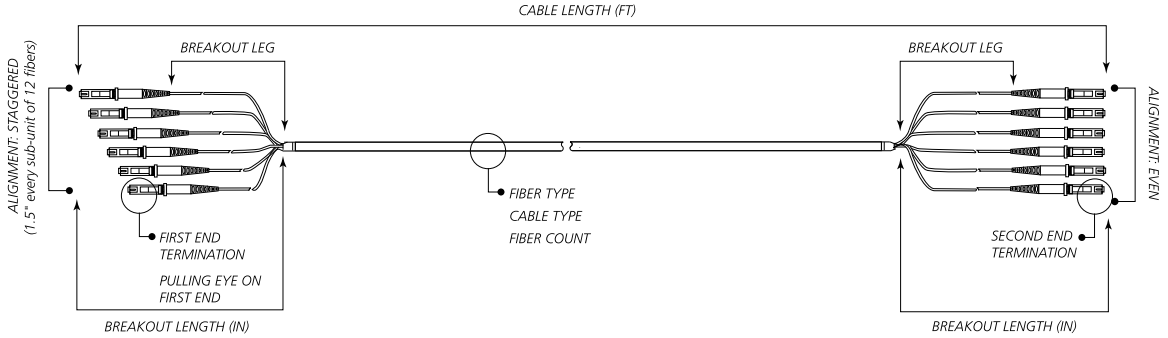


MTP-MTP



ST-ST, SM

MTO Pre-Terminated Trunk Cable Options:



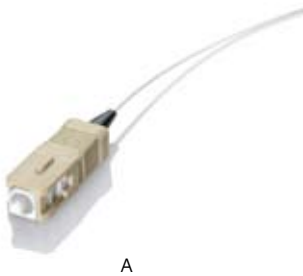
Pigtail Fiber Optic Cable Assemblies

Specifications and Features
- Available in SC, ST, or LC connector styles
- Standard multimode, laser optimized multi-mode, or single-mode fiber types
- Standard 900µm buffered fiber cable in 3 meter length, color white
- Application use: fusion or mechanical splicing
- 12-fiber color coded pigtail kit, colors per TIA 598-A

MULTI-MODE PIGTAIL (3 METERS)

Description	Simplex
[A] SC 62.5/125µm	62PSC-M03
ST 62.5/125µm	62PST-M03
[B] LC 62.5/125µm	62PLC-M03
SC 50/125µm	50PSC-M03
ST 50/125µm	50PST-M03
LC 50/125µm	50PLC-M03

Build your own! leviton.com/configurator



A

SINGLE-MODE PIGTAIL (3 METERS)

Description	Simplex
[C] SC UPC polish	UPPSC-S03
ST UPC polish	UPPST-S03
LC UPC polish	UPPLC-S03
SC APC polish	APPSC-S03
LC APC polish	APPLC-S03



B

12-FIBER PIGTAIL KITS

Description	Part No.
[D] 12-fiber individual color-coded 62.5/125 SC MM Pigtail Kit, 3 meter length	62PSC-KIT
12-fiber individual color-coded 50/125 SC MM Pigtail Kit, 3 meter length	50PSC-KIT
12-fiber individual color-coded 50/125 SC LOMM (10G-300M) Pigtail Kit, 3 meter length	5LPSC-KIT
12-fiber individual color-coded 62.5/125 LC MM Pigtail Kit, 3 meter length	62PLC-KIT
12-fiber individual color-coded 50/125 LC MM Pigtail Kit, 3 meter length	50PLC-KIT
12-fiber individual color-coded 50/125 LC LOMM (10G-300M) Pigtail Kit, 3 meter length	5LPLC-KIT
12-fiber individual color-coded 62.5/125 ST MM Pigtail Kit, 3 meter length	62PST-KIT
12-fiber individual color-coded 50/125 ST MM Pigtail Kit, 3 meter length	50PST-KIT
12-fiber individual color-coded SC SM Pigtail Kit, 3 meter length	UPPSC-KIT
12-fiber individual color-coded LC SM Pigtail Kit, 3 meter length	UPPLC-KIT



C



D

Multimode Patch Cords

Specifications and Features

Standard

- Available in standard SC, ST, LC or hybrid options in 1, 2, 3, 5, or 10 meter lengths
- Riser-rated simplex or duplex zip cord multi-mode cable
- Standard 50/125µm and 62.5/125µm in orange jacket cable
- <0.4dB insertion loss, > 25dB back reflection

Laser Optimized

- 50/125µm Laser Optimized (10G – 300m) multi-mode cable (aqua jacket)
- Reverse polarity configuration
- <0.4dB insertion loss, > 25dB back reflection

Build your own! leviton.com/configurator



LC-LC duplex, 62.5/125 MM



ST-SC duplex, 62.5/125 LOMM

62.5/125µm MULTIMODE (OM1)

Description	Length (Meters)	Duplex	Simplex
SC-SC	1	62DSC-M01	62SSC-M01
SC-SC	2	62DSC-M02	62SSC-M02
SC-SC	3	62DSC-M03	62SSC-M03
SC-SC	5	62DSC-M05	62SSC-M05
SC-SC	10	62DSC-M10	62SSC-M10
ST-ST	1	62DST-M01	62SST-M01
ST-ST	2	62DST-M02	62SST-M02
ST-ST	3	62DST-M03	62SST-M03
ST-ST	5	62DST-M05	62SST-M05
ST-ST	10	62DST-M10	62SST-M10
LC-LC	1	62DLC-M01	62SLC-M01
LC-LC	2	62DLC-M02	62SLC-M02
LC-LC	3	62DLC-M03	62SLC-M03
LC-LC	5	62DLC-M05	62SLC-M05
LC-LC	10	62DLC-M10	62SLC-M10
SC-ST	1	62DCT-M01	62SCT-M01
SC-ST	2	62DCT-M02	62SCT-M02
SC-ST	3	62DCT-M03	62SCT-M03
SC-ST	5	62DCT-M05	62SCT-M05
SC-ST	10	62DCT-M10	62SCT-M10
SC-LC	1	62DCL-M01	62SCL-M01
SC-LC	2	62DCL-M02	62SCL-M02
SC-LC	3	62DCL-M03	62SCL-M03
SC-LC	5	62DCL-M05	62SCL-M05
SC-LC	10	62DCL-M10	62SCL-M10

50/125µm MULTI-MODE (OM2)

Description	Length (Meters)	Duplex	Simplex
SC-SC	1	50DSC-M01	50SSC-M01
SC-SC	2	50DSC-M02	50SSC-M02
SC-SC	3	50DSC-M03	50SSC-M03
SC-SC	5	50DSC-M05	50SSC-M05
SC-SC	10	50DSC-M10	50SSC-M10
ST-ST	1	50DST-M01	50SST-M01
ST-ST	2	50DST-M02	50SST-M02
ST-ST	3	50DST-M03	50SST-M03
ST-ST	5	50DST-M05	50SST-M05
ST-ST	10	50DST-M10	50SST-M10
LC-LC	1	50DLC-M01	50SLC-M01
LC-LC	2	50DLC-M02	50SLC-M02
LC-LC	3	50DLC-M03	50SLC-M03
LC-LC	5	50DLC-M05	50SLC-M05
LC-LC	10	50DLC-M10	50SLC-M10

Build your own! leviton.com/configurator



SC-SC duplex, 50/125 LOMM

50/125µm LASER OPTIMIZED MULTI-MODE (OM3)

Description	Length (Meters)	Duplex
SC-SC	1	5LDSC-M01
SC-SC	2	5LDSC-M02
SC-SC	3	5LDSC-M03
SC-SC	5	5LDSC-M05
SC-SC	10	5LDSC-M10
LC-LC	1	5LDLC-M01
LC-LC	2	5LDLC-M02
LC-LC	3	5LDLC-M03
LC-LC	5	5LDLC-M05
LC-LC	10	5LDLC-M10
SC-LC	1	5LDCL-M01
SC-LC	2	5LDCL-M02
SC-LC	3	5LDCL-M03
SC-LC	5	5LDCL-M05
SC-LC	10	5LDCL-M10

Build your own! leviton.com/configurator



LC-SC duplex, 50/125 LOMM

Single-Mode Patch Cords

Specifications and Features

- Available in standard SC, ST, LC or hybrid options in 1, 2, 3, 5, or 10 meter lengths
- Riser-rated simplex or duplex zip cord single-mode cable
- UPC or APC polish style connectors
- <0.3dB insertion loss, -55dB (UPC) / -65dB (APC) back reflection

Build your own! leviton.com / configurator



UPC LC-LC Simplex SM



UPC ST-SC Simplex SM



APC SC-SC Simplex SM

UPC SINGLE-MODE PATCH CORDS

Description	Length (Meters)	Duplex	Simplex
SC-SC	1	UPDSC-S01	UPSSC-S01
SC-SC	2	UPDSC-S02	UPSSC-S02
SC-SC	3	UPDSC-S03	UPSSC-S03
SC-SC	5	UPDSC-S05	UPSSC-S05
SC-SC	10	UPDSC-S10	UPSSC-S10
ST-ST	1	UPDST-S01	UPSST-S01
ST-ST	2	UPDST-S02	UPSST-S02
ST-ST	3	UPDST-S03	UPSST-S03
ST-ST	5	UPDST-S05	UPSST-S05
ST-ST	10	UPDST-S10	UPSST-S10
LC-LC	1	UPDLC-S01	UPSLC-S01
LC-LC	2	UPDLC-S02	UPSLC-S02
LC-LC	3	UPDLC-S03	UPSLC-S03
LC-LC	5	UPDLC-S05	UPSLC-S05
LC-LC	10	UPDLC-S10	UPSLC-S10
SC-ST	1	UPDCT-S01	UPSCT-S01
SC-ST	2	UPDCT-S02	UPSCT-S02
SC-ST	3	UPDCT-S03	UPSCT-S03
SC-ST	5	UPDCT-S05	UPSCT-S05
SC-ST	10	UPDCT-S10	UPSCT-S10
SC-LC	1	UPDCL-S01	UPSCL-S01
SC-LC	2	UPDCL-S02	UPSCL-S02
SC-LC	3	UPDCL-S03	UPSCL-S03
SC-LC	5	UPDCL-S05	UPSCL-S05
SC-LC	10	UPDCL-S10	UPSCL-S10

APC SINGLE-MODE PATCH CORDS

Description	Length (Meters)	Simplex
SC-SC	1	APSSC-S01
SC-SC	2	APSSC-S02
SC-SC	3	APSSC-S03
SC-SC	5	APSSC-S05
SC-SC	10	APSSC-S10

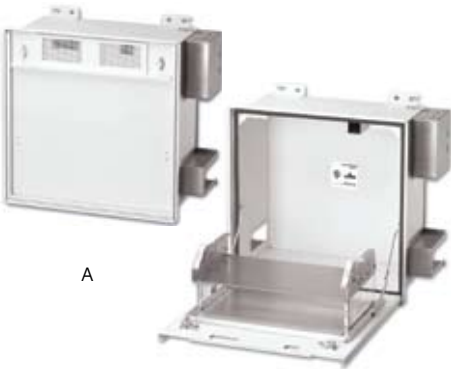
Telecommunications Enclosures For Active Zone Cabling

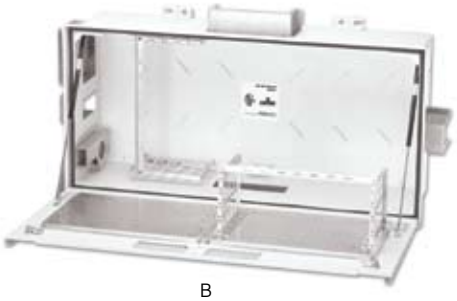
Specifications and Features

Zone Enclosures
- Provide flexible consolidation point in ceiling or floor
- Simplify moves, adds, and changes
- Plenum rated with included fire-rated foam sealing kits
- Significant reduction in cable pathway loading
- Used as a telecom enclosure (TE) for cabling flexibility

Ceiling Enclosures
- Install flush with drop ceiling
- Fully hinged drop-down doors support installed equipment and open to face technician
- Active and passive styles available

2'x2' Passive Raised-Floor Enclosures
- Fit in air handling space under 8" raised floors
- House two 4RU (8RU total) racks for standard 19" components
- Rotating patch panel mounting provides easy access to rear of panels


A


B

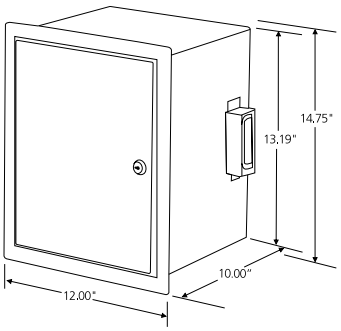

C


D

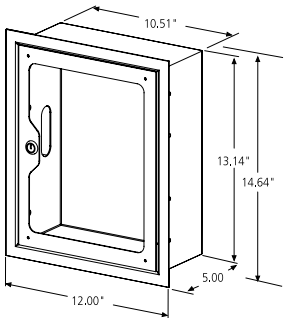
ZONE ENCLOSURES

Description	Cat. No.
[A] Active Ceiling Enclosure, 2' x 2', 2RU active and 5RU passive space	Z1000-AC2
[B] Active Ceiling Enclosure, 2' x 4', 4RU active and 10RU passive space	Z1000-AC4
[C] Passive Raised-Floor Enclosure, 8" depth, 8RU passive space	Z1000-PF2
[D] Passive Ceiling Enclosure, 2' x 2', 5RU passive space	Z1000-PC2

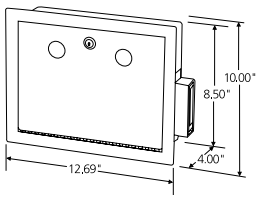
DIMENSIONS



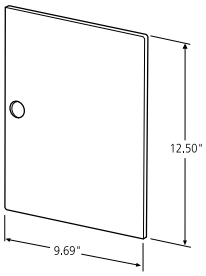
Wireless Access Point Ceiling Enclosure,
10" Depth, w/o Faceplate
W1000-WCE



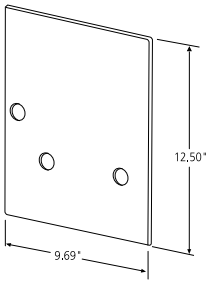
Wireless Access Point Ceiling Enclosure,
5" Depth, w/o Faceplate
W1000-WC5



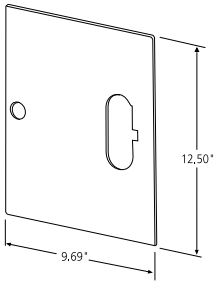
Wireless Access Point Ceiling Enclosure,
4" Depth
W1000-WC0



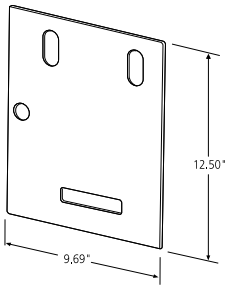
Blank Faceplate (Fits 5" and 10"
Wireless Access Point Enclosures)
W1000-F01



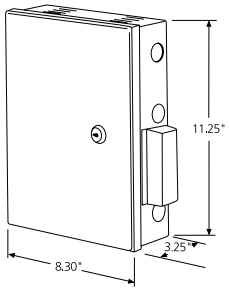
Faceplate for Cisco Aironet™ 350
(Fits 5" and 10" Wireless Access Point
Enclosures)
W1000-F02



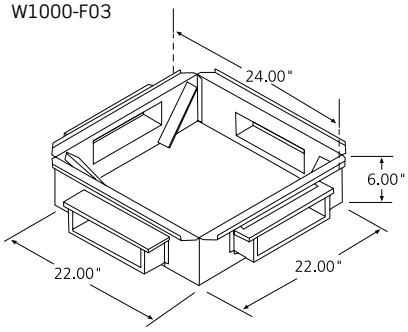
Faceplate for Cisco Aironet™ 1100
(Fits 5" and 10" Wireless Access Point
Enclosures)
W1000-F03



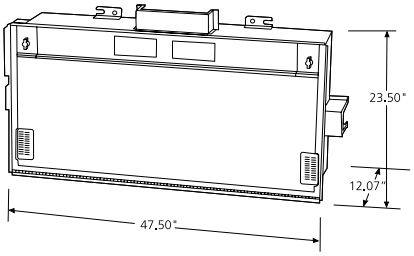
Faceplate for Cisco Aironet 1200
(Fits 5" and 10" Wireless Access
Point Enclosures)
W1000-F04



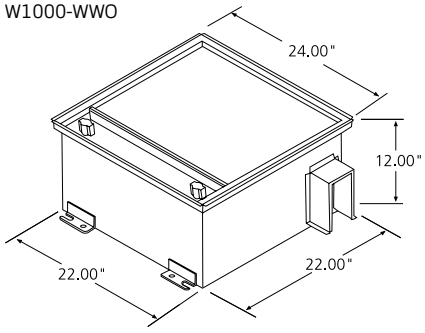
Wireless Access Point Wall-Mount
Enclosure (Accommodates Cisco Aironet™ 350
or equivalent)
W1000-WWO



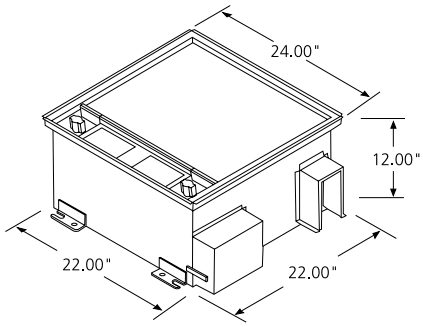
Passive Raised-Floor Enclosure,
8" depth, 8RU passive space
Z1000-PF2



Active Ceiling Enclosure, 2' X 4',
4RU active and 10RU passive space
Z1000-AC4



Passive Ceiling Enclosure, 2' X 2',
5RU passive space
Z1000-PC2



Active Ceiling Enclosure, 2' X 2',
2RU active and 5RU passive space
Z1000-AC2

PoE Midspans

Specifications and Features

- Provides 48 volts of DC power and network connectivity to end devices
- Automatically detects PoE-ready devices and supplies power
- 1-port model is 10/100 BASE-T Ethernet capable
- 6- and 24-port models are 10/100/1000 BASE-T Ethernet capable
- 6- and 24-port models offer remote configuration and management using a simple web browser
- 6- and 24-port models are 19" rack-mountable
- All midspans are IEEE 802.3af compliant



A



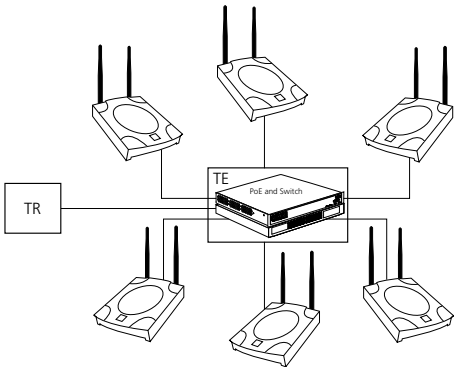
B



C

POWER OVER ETHERNET MIDSPANS

Description	Cat. No.
[A] Power over Ethernet Midspan, 1-port	M3001-1UB
[B] Power over Ethernet Midspan, 6-port	M3006-1UB
[C] Power over Ethernet Midspan, 24-port	M3024-1UB



Streamlined Ethernet Installations

Deploy the PoE Midspan with any PoE enabled device (WAP, VoIP, IP-based camera) for a complete and reliable communications system, without the added cost of installing separate electrical circuit to each end device. For example, a 6-port PoE Midspan installed inside an Active Telecommunications Enclosure, then connected via Category 5e or 6 UTP cable to Enterprise Wireless Access Points creates an effective wireless network. For added security, Enterpise Wireless Access Points can be installed in 5" or 10" Wireless Access Point Enclosures.

Wireless Access Point Enclosures

Specifications and Features

5" & 10" Wireless Access Point Ceiling Enclosures
- Single edge-protected access port includes a fire-rated foam sealing kit
- Suitable for installation in air spaces
- Mount into a standard 2' x 2' ceiling tile

4" Wireless Access Point Ceiling Enclosures
- Accommodates one wireless access point or bridge
- Removable door-mounted bracket supports equipment up to 10.5"W x 1.875"H x 5.5"D
- Includes fully hinged, lockable door with two round holes for access point antennae

Ceiling Enclosure Faceplates
- All faceplates fit both 5" and 10" depth enclosures
- Select appropriate part number based on listed compatible access point model
- All faceplates are fully hinged and lockable

Wall-Mount Enclosure
- Rugged steel construction with lock assembly
- Accommodates equipment sized 9.5"W x 6.5"H x 2.75"D



A



B



C

WIRELESS ACCESS POINT CEILING ENCLOSURES

Description	Cat. No.
Wireless Access Point Ceiling Enclosure, 10" depth, faceplate sold separately	W1000-WCE
[A] Wireless Access Point Ceiling Enclosure, 5" depth, faceplate sold separately	W1000-WC5
[B] Wireless Access Point Ceiling Enclosure, 4" depth, with faceplate	W1000-WC0

WIRELESS ACCESS POINT CEILING ENCLOSURE FACEPLATES
(Required for 5" & 10" Enclosures)

Description	Cat. No.
Blank Faceplate (Fits 5" and 10" Wireless Access Point Enclosures)	W1000-F01
Faceplate for Cisco Aironet™ 350 (fits 5" and 10" Wireless Access Point Enclosures)	W1000-F02
Faceplate for Cisco Aironet 1100 (fits 5" and 10" Wireless Access Point Enclosures)	W1000-F03
Faceplate for Cisco Aironet 1200 (fits 5" and 10" Wireless Access Point Enclosures)	W1000-F04
Faceplate for Meru AP200 (fits 5" and 10" Wireless Access Point Enclosures)	MNFP1-200
Faceplate for Meru AP150 (fits 5" and 10" Wireless Access Point Enclosures)	MNFP2-150

WIRELESS ACCESS POINT WALL-MOUNT ENCLOSURE

Description	Cat. No.
[C] Wireless Access Point Wall-Mount Enclosure (accommodates Cisco Aironet 350 or equivalent)	W1000-WW0

All enclosures are powder-coated white.

Versi-Duct® Cable Management

Specifications and Features

Versi-Duct 8" Channel Vertical Cable Management
- Ideal for today's large scale deployments
- Channels are kitted with cover, slack spools, and cable retainers, and mounting brackets
- Included cover features unique, integrated dual-hinge for easy accessibility
- Sleek designer covers available
- Channels can be center mounted for better space utilization

Versi-Duct 5" Channel Vertical Cable Management
- Versatile accessories allow unique installation configurations
- 80" Channel ships in two 40" pieces for easier handling and installation
- Interlocking tabs maintain flush channel alignment
- Finger spacing aligns with rack units

Versi-Duct Horizontal Cable Management
- Fits all standard 19" racks
- Horizontal managers include bend radius compliant clips
- Finger spacing aligns with Leviton patch panel port openings to better manage patch cords


A
40" length shown

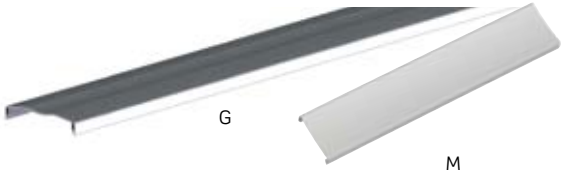

B
80" length shown


B
40" length shown

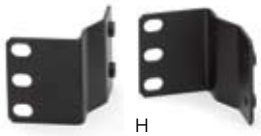

C
cable retainer


D
slack spool


E, F
40" length shown


G

M


H


J, I


K, L


N, O

VERSI-DUCT 8" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

Description	Front Only	Front & Rear
Vertical 80" length, 8"W x 8"D channel w/ standard hinged black cover	8980L-VFO	8980L-VFR
Vertical 80" length, 8"W x 8"D channel w/ designer hinged grey cover	[A] 8C80L-VFO	[B] 8C80L-VFR
Vertical Center Mounting Bracket, 8" Channel (bag of 4)		89265-BKT
Vertical Cable Retainer, 8" Channel (bag of 6)		[C] 89265-WR1
Vertical Slack Loop Organizer, 8" Channel		[D] 89265-SL1

VERSI-DUCT® 5” CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

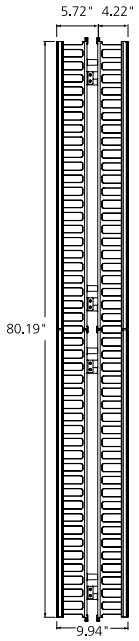
Description	Front Only	Front & Rear
Vertical 80" length, 5”W x 4”D Channel w/ standard snap-on black cover	4980L-VFO	4980L-VFR
Vertical 40" length, 5”W x 4”D Channel w/ standard snap-on black cover	[E] 4940L-VFO	[F] 4940L-VFR
Vertical Designer Cover, 5” Channel, snap-on, grey		[G] 59265-5DC
Mounting Bracket, 5” Channel		[H] 49265-BKT

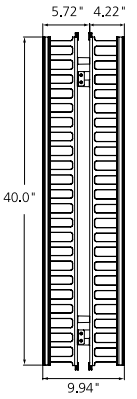
VERSI-DUCT HORIZONTAL CABLE MANAGEMENT & ACCESSORIES

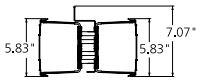
Description	Front Only	Front & Rear
Horizontal Manager, 2RU, 3”W x 3”D front, 2”W x 4”D rear*	[I] 492RU-HFO	[J] 492RU-HFR
Horizontal Manager, 1RU, 1.5”W x 3”D front, 1.5”W x 4”D rear*	[K] 491RU-HFO	[L] 491RU-HFR
Horizontal Designer Cover, 2RU, snap-on, grey		[M] 49265-DC2
Horizontal Designer Cover, 1RU, snap-on, grey		49265-DC1
Horizontal Cable Retainer (10 per package)		[N] 49265-WR1
Horizontal Cover Hinge (4 per package)		[O] 49265-HNG

*Bend radius clip included.

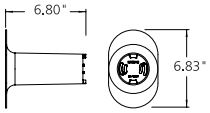
DIMENSIONS



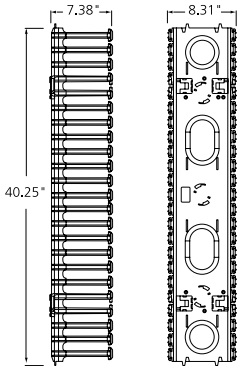




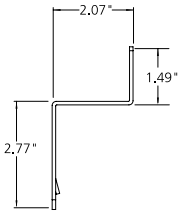
Vertical 40" length,
5"W x 4"D
Channel
4940L-VF*

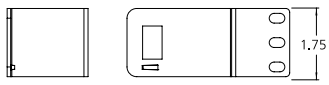


Vertical Slack Loop Organizer,
8" channel
89265-SL1

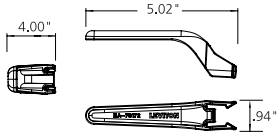


Versi-Duct 8" channel,
80" length (ships as two 40")
8980L-VF*

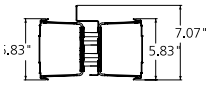




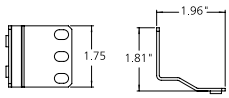
Vertical Center Mounting Bracket,
8" channel
89265-BKT



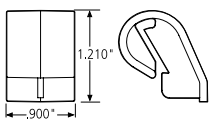
Vertical Wire Retainer, 8" channel
89265-WR1



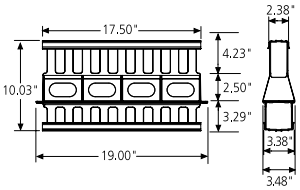
Vertical 80" length,
5"W x 4"D channel
4980L-VF*



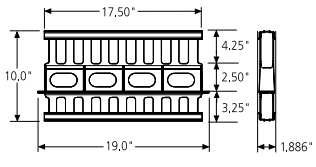
Mounting Bracket,
5" channel
49265-BKT



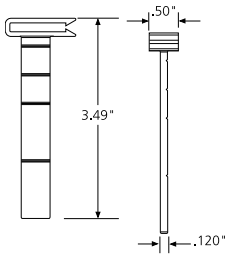
Horizontal Cover Hinge
49265-HNG



Horizontal, 2RU, 3"W x 3"D front,
2"W x 4"D rear
492RU-HFR



Horizontal, 1RU, 1.5"W x 3"D
front, 1.5"W x 4"D rear
491RU-HFR

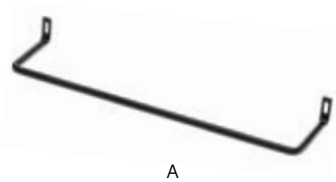


Horizontal
Cable Retainer
49265-WR1

Rear Cable Management Bars

Specifications and Features

- Standard Flat Cable Management Bars attach directly to patch panels
- Standard Angled and Recessed Angled Cable Management Bars attach directly to rack
- Standard Cable Management Bars available in flat, angled, and recessed angled options
- Extended Cable Management Bar handles large cable volumes and includes six Velcro® Brand straps
- High-density Cable Management Bar is constructed of die-cast aluminum to support heavy loads of cable and mounts on front or rear of panel
- Rear Cable Management Bar for Active Equipment offers extended depth for power cord support and cutouts for air circulation


A


B


C


D

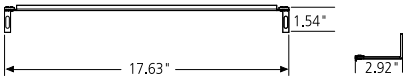

E


F

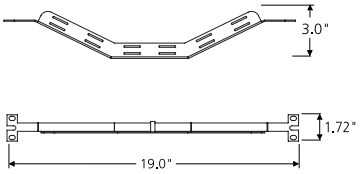
REAR CABLE MANAGEMENT BARS

Description	Flat	Angled	Recessed Angled
Standard Cable Management Bar	[A] 49005-CMB	[B] 49006-AMB	[C] 4W006-AMB
Extended Cable Management Bar, 1RU	[D] 49005-EMB		
High Density Cable Management Bar, 1RU	[E] 49005-DMB		
Rear Cable Manager for Active Equipment, 2RU	[F] 41188-SM2		

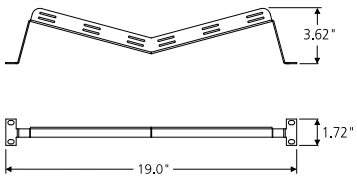
DIMENSIONS



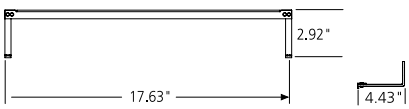
Standard Cable Management Bar
49005-CMB



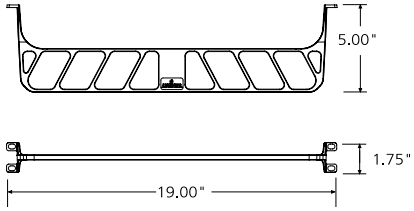
Angled Cable Management Bar
49006-AMB



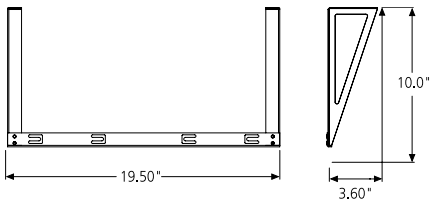
Recessed Angled Cable Management Bar
4W006-AMB



Extended Cable Management Bar, 1RU
49005-EMB



High Density Cable Management
Bar, 1RU
49005-DMB



Rear Cable Manager for
Active Equipment, 2RU
41188-SM2

Commercial Grade

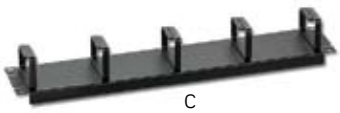
Horizontal Cable Managers

Specifications and Features

- Available in 1RU, 2RU and 4RU sizes
- All mount to standard 19" racks and cabinets
- 4RU Manager includes a shelf to support patch cords
- Horizontal Managers support transition to vertical management
- Combo Managers offer front and rear management
- Attach rings to composite blank panel for additional cable management in high-density installations



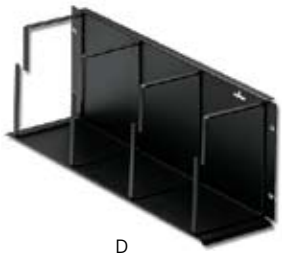
A



C



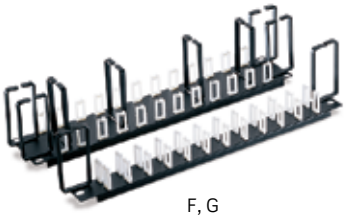
B



D



E



F, G



H



I



J



K

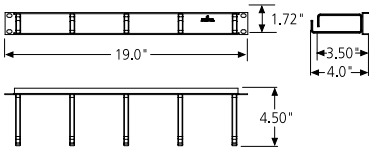


L

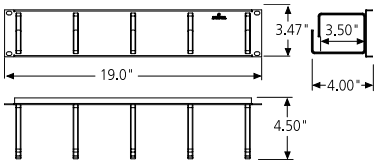
HORIZONTAL CABLE CORD MANAGERS

Description	Flat	Flat w/Metal Cover	Angled	Recessed Angled	Recessed Flat
Horizontal Manager, 1RU, 4" metal rings	49253-LPM	4925C-LPM	49254-LPM	[A] 4W254-LPM	
Horizontal Manager, 2RU, 4" metal rings	49253-BCM	[B] 4925C-BCM	49254-BCM	4W254-BCM	
Horizontal Manager, 2RU, 2" metal rings	[C] 49253-2CM				
Horizontal Manager, 4RU, 4" metal rings	[D] 49253-4CM	4925C-4CM			
Horizontal Manager, 4RU, 6" metal rings	49253-6CM	4925C-6CM			
Recessed Horizontal Manager, 1RU, 3" metal rings					[E] 49253-RCM
Horizontal Manager, 2RU, w/ plastic saddles	[F] 49252-PO2				
Horizontal Manager, 1RU, w/ plastic saddles	[G] 49252-PO1				
Combo Front and Rear Manager, 2RU	[H] 49252-PCM				
VELCRO® Brand Horizontal Manager, 1RU	[I] 41150-019				
Tie Wrap Bar, 1"H x 1.5"D	[J] 49258-TWB				
SpaceMaker Cable Manager (uses patch panel screws)	[K] 41188-SM1				
Composite Blank panel/Cable manager, 2RU	[L] C1253-2CM				

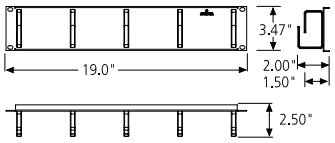
DIMENSIONS



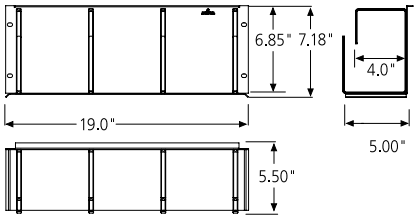
Horizontal Patch Cord Organizer,
1RU, 4" metal rings
49253-LPM



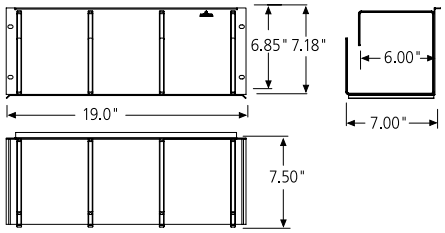
Horizontal Patch Cord Organizer,
2RU, 4" metal rings
49253-BCM



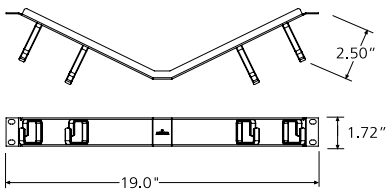
Horizontal Patch Cord Organizer,
2RU, 2" metal rIngs
49253-2CM



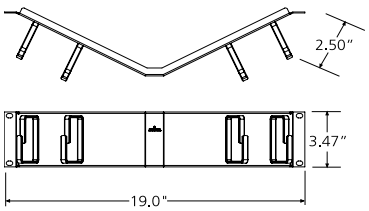
Horizontal Patch Cord Organizer, 4RU,
4" metal Rings
49253-4CM



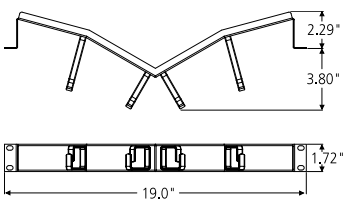
Horizontal Patch Cord Organizer, 4RU,
6" metal Rings
49253-6CM



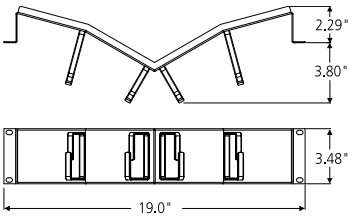
Angled Horizontal
Patch Cord Organizer, 1RU
49254-LPM



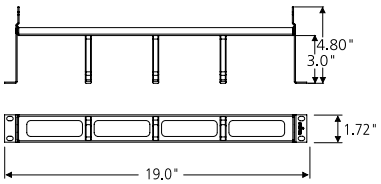
Angled Horizontal
Patch Cord Organizer, 2RU
49254-BCM



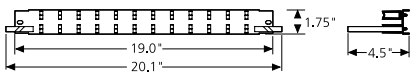
Recessed Angled Horizontal
Patch Cord Organizer, 1RU
4W254-LPM



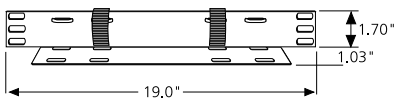
Recessed-Angled Horizontal
Patch Cord Organizer, 2RU
4W254-BCM



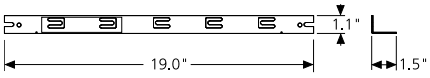
Recessed Patch Cord Organizer, 1RU
49253-RCM



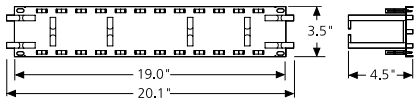
One-Position Organizer, 1RU
49252-P01



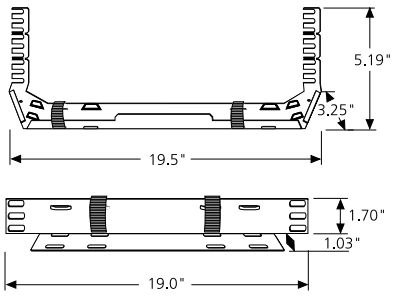
Metal Clad Horizontal Bar
41150-019



Support/Tie Wrap Bar
49258-TWB



Two-Position Organizer, 2RU
49252-P02



SpaceMaker® Cable Manager
41188-SM1

Commercial Grade

Blank Panel Inserts and Transitional Covers

Specifications and Features

Blank Panel Inserts

- Provide a seamless look and designate rack space for future expansion
- Available for Flat, Angled, and Recessed-Angled Patch Panels

Transitional Covers

- Provide clean, aesthetic transition from Angled Patch Panels to flat equipment
- Available for Angled and Recessed Angled Patch Panels



A, B, C



D, E



F



G



H, I

BLANK PANEL INSERTS

Description	Standard	Angled	Recessed Angled
Blank Panel, 1RU	[A] 49254-BP1	[D] 49254-BA1	4W254-BA1
Blank Panel, 2RU	[B] 49254-BP2	[E] 49254-BA2	[F] 4W254-BA2
Blank Panel, 4RU	[C] 49254-BP4		
Composite Blank Panel / Cable manager, 2RU	[G] C1253-2CM		

TRANSITIONAL COVERS

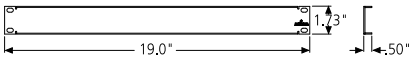
Description	Angled	Recessed Angled
Transitional Cover, 1RU	[H] 49254-BC1	[I] 4W254-BC1



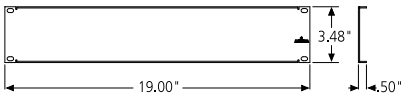
Angled & Recessed Angled Panel Cable Management

Leviton offers several alternatives to traditional flat panels, including our popular angled and recessed angled styles. Each configuration addresses specific installation requirements, such as angled for improved patch cord routing in high-density applications and recessed angled for minimal depth in front of the panel. Available cable management includes ducting, bars and other organizers, blank panels, and a wide variety of Velcro® Brand fasteners. For these unique styles, transitional covers that fill the space between the panels and active equipment create a clean aesthetic and provide thermal management.

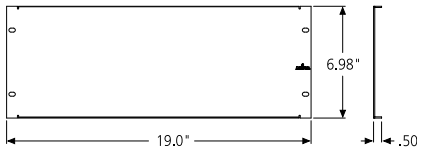
DIMENSIONS



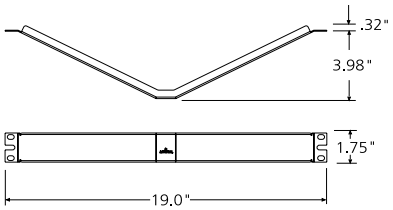
Standard Blank Panel, 1RU
49254-BP1



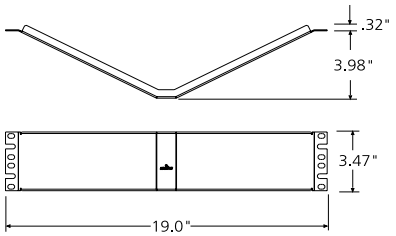
Standard Blank Panel, 2RU
49254-BP2



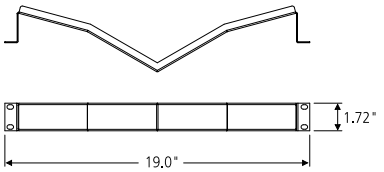
Standard Blank Panel, 4RU
49254-BP4



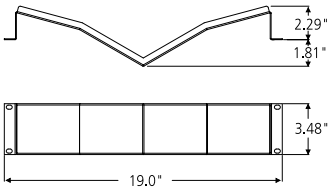
Angled Blank Panel, 1RU
49254-BA1



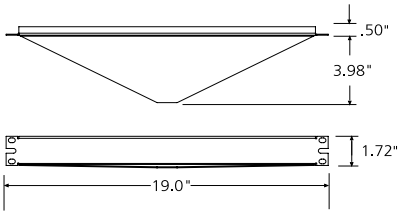
Angled Blank Panel, 2RU
49254-BA2



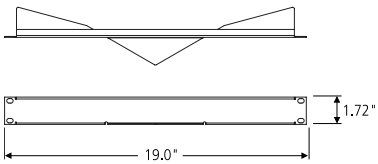
Recessed Angled Blank Panel, 1RU
4W254-BA1



Recessed Angled Blank Panel, 2RU
4W254-BA2



Angled Transitional Cover, 1RU
49254-BC1



Recessed Angled Transitional Cover, 1RU
4W254-BC1

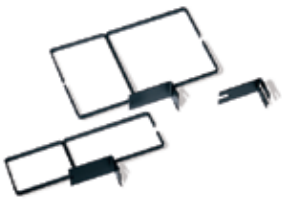
Cable Management Brackets and Rings

Specifications and Features

Cable Management Rings
- Tie Brackets allow rings to be center-mounted
- Vertical Transition Rings are used for vertical and horizontal cable management and are compatible with flat and angled panels
- Vertical Manager Rings are an open ring solution that can be installed in tight spaces and smaller deployments

Hinged Wall-Mount Brackets
- Designed for installations where space is constrained and racks are not used
- 6" deep brackets allow for proper cable management
- 2RU, 3RU, and 4RU sizes

Front Hinged Brackets
- Simplify process of terminating cables to rear of patch panels when access is limited
- Easy-access quick release latches drop to 90 and 120 degree positions
- Rack- or wall-mountable



A-C

CABLE MANAGEMENT RINGS

Description	Part No.
[A] 3" Vertical Manager Rings	49260-MR3
[B] 6" Vertical Manager Rings	49260-MR6
[C] Mounting Tie Bracket	49261-BKT
[D] Vertical Transition Rings for Angled and Recessed-Angled Panels, 2RU	49262-HR1



D

HINGED WALL-MOUNT BRACKETS

Description	Part No.
[E] Hinged Wall-Mount Bracket, 2RU	49251-W62
Hinged Wall-Mount Bracket, 3RU	49251-W63
Hinged Wall-Mount Bracket, 4RU	49251-W64



E

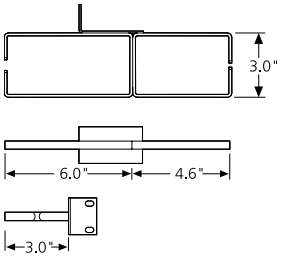
FRONT HINGED BRACKET

Description	Part No.
[F] Front Hinged Bracket, 3RU	49400-FHB

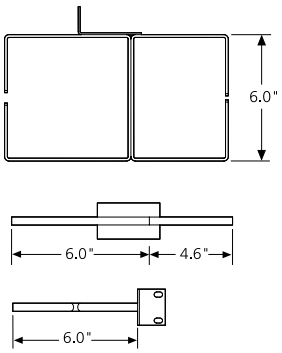


F

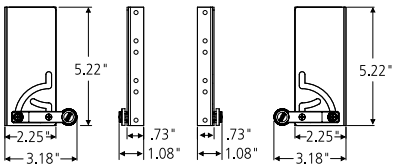
DIMENSIONS



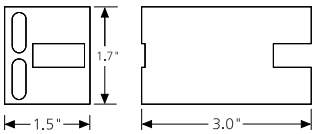
3" Vertical Manager Ring
49260-MR3



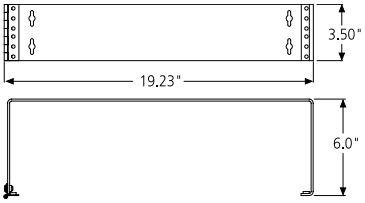
6" Vertical Manager Ring
49260-MR6



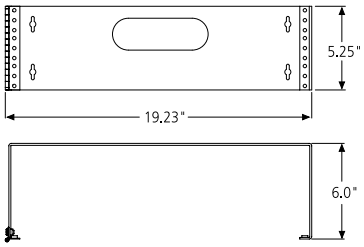
Front Hinge Bracket
49400-FHB



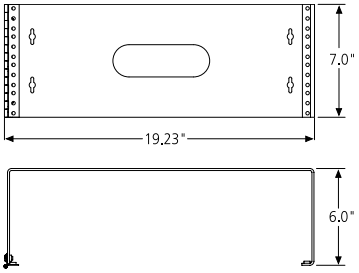
Mounting Tie Bracket
49261-BKT



Hinged Wall-Mount Bracket 2RU
49251-W62



Hinged Wall-Mount Bracket 3RU
49251-W63



Hinged Wall-Mount Bracket 4RU
49251-W64

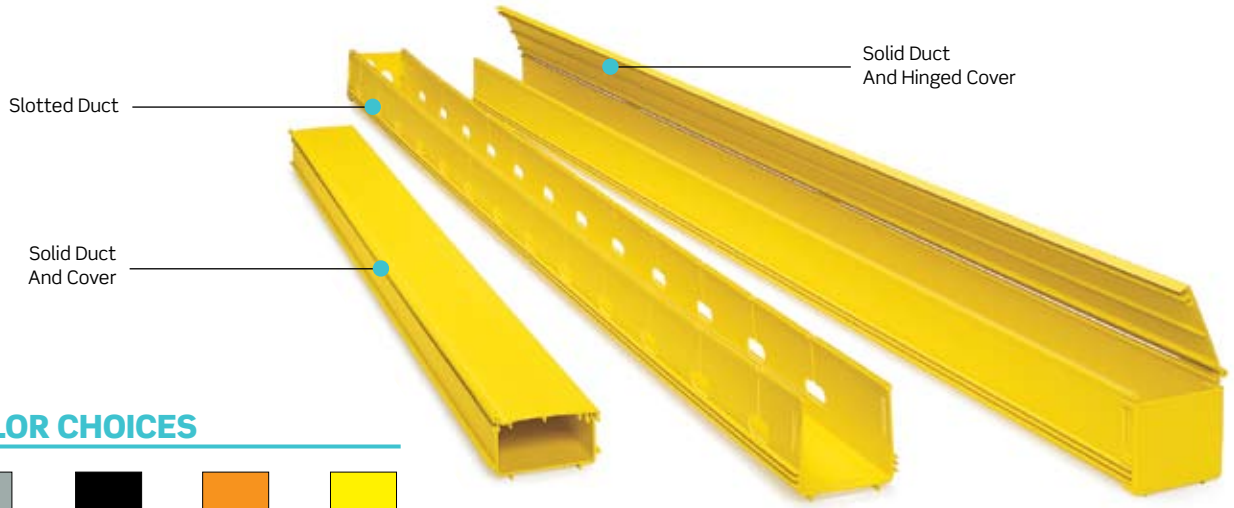
Commercial Grade

Fiber Cable Management

Route, protect and store fiber cabling with Leviton's Fiber Raceway System, the easy to design, easy to configure, easy to install cable management system. For use in data centers, central offices, headends and wiring closets, this versatile system provides a safe, dedicated path for mission critical network cabling.

Specifications and Features

- Ducting is ideal for routing and supporting cables throughout networks
- 6.5 ft. sections can be hand cut to fit exact specifications
- Available in five sizes with regular or hinged covers
- Slotted ducting ideal for cable with varying exit locations
- Bend radius guides used with slotted ducts safely route fiber
- Available in four colors and four sizes: 2x2, 4x4, 4x8, 4x12



COLOR CHOICES

Grey (-G) (Special Order)

Black (-E)

Orange (-O)

Yellow (-Y)



Radius Guide shown with ducting (ducting sold separately)



Side Drop-Off Kit for Duct Raceway



Suspension Kit with 3' 3" Rod



Raised Mounting Kit for Above or Below Cabinet



Ladder Rack / Unistrut Mounting Kit

* For more information and a complete list of raceway parts, refer to Leviton's Network Infrastructure Solutions Catalog, **leviton.com,** or the Fiber Raceway System Selection Guide. Contact inside sales at 800-722-2082 to order. Callers from outside the US and Canada please dial +1-425-486-2222.

TESTING AND CODE COMPLIANCE

- UL Listed 2024A Riser Rated for Installation in Telecommunication Facilities
- Fiber Raceway compliant with and listed to UL2024A-Optical Fiber Cable Routing Assemblies for use in Telecommunications Installations. It has been evaluated, tested and approved for installation in Riser applications in accordance with the National Electric Code and general purpose applications.

Velcro® Brand Cable Fasteners

Specifications and Features

Velcro Brand Tie Wraps
- Available in 5, 8, and 12" lengths (0.5" width)
- Slot helps secure fastening without over-tightening
- Maroon products UL listed for use in plenum or air handling spaces per NEC Section 300
- All wraps come 25 units per roll

Velcro Brand Compression Straps
- Available in 15" lengths (0.5" width)
- Adjustable to support a variety of loads
- Easy feedthrough slot helps secure fastening without over-tightening
- Strap locked area equals 6 sq. inches
- Quick and sturdy adjustments and changes

Velcro Brand Wraps - Bulk Rolls
- Available in 15, 75, and 600' bulk rolls (0.5" width)
- Maroon products UL listed for use in plenum or air handling spaces per NEC Section 300
- Cut to desired length

Velcro Brand Wraps - Softcinch Lite Rolls
- Thinner material for smaller bundles
- Tear by hand for quick application
- Cut to desired length
- Available in 75' roll (0.5" width)

COLOR CHOICES


Black


Blue


Yellow


Orange


Maroon


A-C


D-E


G


F


H

VELCRO BRAND CABLE FASTENERS

Description	Black	Blue	Yellow	Orange	Maroon (Plenum Rated)
[A] Tie Wrap, 5"	43105-005	43105-05L	43105-05Y	43105-05O	43105-05P
[B] Tie Wrap, 8"	43108-008	43108-08L	43108-08Y	43108-08O	43108-08P
[C] Tie Wrap, 12"	43112-012	43112-12L	43112-12Y	43112-12O	43112-12P
[D] Bulk Roll, 15'	43115-015	43115-15L	43115-15Y	43115-15O	43115-15P
[E] Bulk Roll, 75'	43115-075	43115-75L	43115-75Y	43115-75O	43115-75P
[F] Bulk Roll, 600'	43115-600				
[G] Compression Strap, 15"	44115-15E	44115-15L	44115-15Y	45115-15O	
[H] SoftCinch Lite, 75'	4S115-75E				

Commercial Grade

Velcro® Brand Utility Fasteners

Specifications and Features

- Saddle Ties attach to wood surfaces, relay racks, and enclosures
- Compression Straps provide the ideal solution for heavy vertical cable runs
- J Hooks are height adjustable to bypass obstacles and open to 8" diameter
- Workstation Loops, with 5.25" loop, attach with convenient peel-off adhesive
- Orange fasteners hold cable bundles up to 3" diameter
- Storage rings for inside and outside plant ensure fiber optic bend radius; loops included



A,B



C



D



E



F



G

VELCRO BRAND UTILITY FASTENERS

Description	Part No.
[A] Saddle Ties w/ 10/32 metal rack screws (10 per pack)	41020-SPR
[B] Saddle Ties w/ #8 wood screws (10 per pack)	41010-SPW
[C] "J" Hook	46700-SLG
[D] Compression Strap	45224-RCS
[E] Workstation Loops w/ Peel-Off Adhesive (25 per pack)	41225-SAP
[F] Fasteners, Orange (10 per pack)	41030-OFT
[G] Storage Rings, Inside Plant, 11.75" diameter	48900-IFR
Storage Rings, Outside Plant, 24" diameter	48900-OFR

Copper Punchdown and Termination Tools

Specifications and Features

Palm Termination Tool

- Overmolded ergonomic soft grip
- Easy to see wiring labels
- Connector holders provide stability for punchdown
- Incorporated retainer supports cable during termination
- Integrated holes allow rack-mounting of the Palm Tool for patch panel terminations
- Compatible with all Leviton CAT 6A/6/5e and A/V connectors

Cutting Tools

- Klein Tool® Electrician's Scissors are excellent for cutting and stripping copper cable as well as trimming center splines and rip cords
- Flush Cutter neatly trims individual cable wires flush to connector body to prevent shorts in metal housings (recommended for Shielded Connectors)


A


B


C, D


E


F


G

TERMINATION TOOLS & BLADES

Description	Cat. No.
[A] Palm Termination Tool	47615-PTT
[B] Wire Punchdown/Termination Tool (blades sold separately)	49553-814
[C] 110 IDC Blade	49553-110
[D] 66 IDC Blade	49553-066

MULTI-PAIR TERMINATION TOOLS & ACCESSORIES

Description	Cat. No.
[E] Mass Termination Multi-Pair Tool Handle with CAT 6, 4-Pair Head	49553-TTH
Mass Termination Replacement Head, CAT 6, 4-Pair	49553-64H
Mass Termination Replacement Head, CAT 5e, 5-Pair	49553-55H

CUTTING TOOLS

Description	Cat. No.
[F] Klein Tools Electrician's Scissors	49886-SIS
[G] Klein Tools Flush Cutter	49886-FCS

Copper Field Test and Termination Tools

Specifications and Features

Tone Test Set
- Low voltage tester for continuity, shorts, and opens
- Talk battery for a communications line on a vacant pair
- Identifies Tip and Ring polarity, and line condition for clear line with dial tone, busy line and ringing line
- Generates continuous or warble tone to trace pairs and locate broken pairs/cables in walls – use with Speaker Probe (below)

Inductive Speaker Probe
- Detects audible frequency tones for accurate tracing and identification of wires, cables, and metallic circuits
- Use with the Tone Test Set (above) to trace and isolate pairs

Leather Holsters
- Fits on most standard belts
- Two styles, for Tone Test Set and Inductive Speaker Probe

Craftperson's Handset
- For basic line testing and essential on-site temporary communications
- Line-powered to provide either DTMF (Touch Tone) or dial pulse output
- Features all standard 'buttset' line tests

Modular Plug Break-Out Adapter
- For testing any 6- or 8-position modular jacks
- Works with the Tone Test Set or Craftsperson's Handset

Coaxial Connector Tools
- Crimp coax onto RG-59 or RG-6 cables
- Rugged metal construction with cushioned handles

Master Compression Tool
- Terminates all Leviton coaxial compression connectors, including Compression RCA and F-connectors
- Radial-style crimp compresses uniformly around connector body
- Creates high-integrity bond that does not relax over time

UTP Stripping Tool
- Strip unshielded twisted pair (UTP) cable

66-Clip Termination Tool & Accessories
- Punches down 20-26 gauge unstripped wire in devices using 66-clip terminals
- Replaceable blades reverse for termination with or without cutting
- Replacement stem (66-BT02)
- Replacement blade (66-BT01) – reversible for termination with or without cutting


A


B


C, D


E


F


G


H


I-K

TONE TEST SET, INDUCTIVE SPEAKER PROBE & KITS

Description	Cat. No.
[A] Tone Test Set (includes 9 volt battery)	49560-TTS
[B] Inductive Speaker Probe (includes 9 volt battery; one duckbill tip; and one needlepoint tip)	49561-SSP
[C] Leather Belt Holster for Tone Test Set (tool not included)	49560-LCC
[D] Leather Belt Holster for Inductive Speaker Probe (tool not included)	49561-LCC
Kit containing 1 Tone Test Set with Belt Holster, and 1 Inductive Speaker Probe with Belt Holster	49562-TSK

CRAFTSPERSON'S HANDSET

Description	Cat. No.
[E] Craftsperson's Handset	49575-CTS

MODULAR PLUG BREAKOUT ADAPTER

Description	Cat. No.
[F] Modular Plug Breakout Adapter	40070-MDP

COAXIAL CONNECTOR TOOLS

Description	Cat. No.
Crimping Tool for Coaxial Connectors	40988-000
[G] Master Compression Tool	40989-CPT

UTP STRIPPING TOOL

Description	Cat. No.
[H] UTP Stripping Tool	49660-00C

TERMINATION TOOL, REPLACEMENT BLADE & REPLACEMENT STEM

Description	Cat. No.
[I] Termination Tool (66-BT)	46666-0BT
[J] Replacement Blade for Termination Tool (66-BT01)	46666-BTB
[K] Replacement Stem for Termination Tool (66-BT02)	46666-BTS

Commercial Grade

Fiber-Optic Tools And Consumables

Specifications and Features

[A] Fiber Optic Light Tool Kit
- Essential tool set for quick field-termination of Thread-Lock® and Fast-Cure® connectors
- Terminates both multimode and single-mode fiber

[B] Fiber Optic Thread-Lock Tool Kit
- A comprehensive tool set for terminating any SC or ST Thread-Lock connectors
- Terminates both multimode and single-mode fiber

[C] Fiber Optic Fast-Cure Tool Kit
- All the tools you need for terminating multimode or single-mode SC, ST, or LC Fast-Cure adhesive connectors
- Adhesive/accelerator kit sold separately

[D] Fiber Optic FastCAM® Tool Kit
- Precision cleaving for guaranteed FastCAM connector performance
- Terminates both multimode and single-mode fiber



A


B


C



D

FIBER OPTIC TOOL KITS

Description	Cat. No.
[A] Light Tool Kit	49800-MTK
[B] Thread-Lock Tool Kit	49800-UTP
[C] Fast-Cure Tool Kit	49800-FTK
[D] FastCAM Tool Kit w/ LYNX Cleaver	49800-MSK
FastCAM Tool Kit w/ CT-30A Cleaver	49800-SMK
FastCAM Tool Kit w/ LYNX Cleaver, work tray & LED	49800-LAK

UNIVERSAL TOOLS & ACCESSORIES

Description	Cat. No.
[A] 250µm Buffer Remover (yellow handle)	49886-BR2
[B] 900µm Buffer Remover (red handle)	49886-BR9
[C] Jacket Stripper	49886-STP
[D] Aramid Strand Scissors	49886-SIS
Marking Pen	49886-SMP
Safety Glasses	49886-GLS
Sapphire Scribe	49886-SCR
2.5mm Polishing Puck	49886-PUC
3" x 6" Polishing Pad	49886-PAD
Opt-X® Tool Kit Carrying Case	49886-CSE
Safety Pad	49886-SPD
100x Inspection Scope	49886-SCP
200x Inspection Scope	49886-FSP
Fiber Optic Crimp Tool with .128, .151, .178 hex die	49886-FCT
1.25mm (LC) Polishing Puck	49886-LCP
Tool Kit Carrying Case	49886-FCC


A, B


C, D


E

THREAD-LOCK® SPECIFIC TOOLS

Description	Cat. No.
[E] ST/SC Combination Tightening Tool	49886-CTT
Versa-Cleave® Tool	49886-TVC


F

FASTCAM® SPECIFIC TOOLS

Description	Cat. No.
[F] Work Tray	49886-LNT
[G] Goose Neck LED	49886-LGN
[H] LYNX Cleaver	49886-LNX
[I] Fujikura CT-30A Cleaver	49886-CTA
[J] Visual Fault Locator (VFL)	49866-VFL
1.25mm Adapter for VFL (one included w/VFL purchase)	49886-FLA


G


H


I


J

Consumable Products & Kits

Specifications and Features

Universal Consumables Kit
All the basic supplies needed to clean and polish fiber optic connectors. Set includes 50 polyester wipes, 50 alcohol pads, 30 12µm lapping film, 30 3µm lapping film, 30 0.3µm lapping film and piano wire

Fast-Cure® Consumables Kit
Everything from the Universal Kit, plus specialized supplies for Fast-Cure terminations. Additional items include 25 syringes, 25 needles, adhesive and accelerator

Adhesive/Accelerator Kit
Set includes Loctite 680 Adhesive, Loctite 7649 accelerator with syringe, and two needles

Fan-out Consumables Kit
Kit terminates minimum of 10 Fiber Optic Fan-Out Kits. Set includes 20 lint-free wipes, 10 alcohol pads, 10 D'Gel™ packets, sealant and talc powder



A



B



C



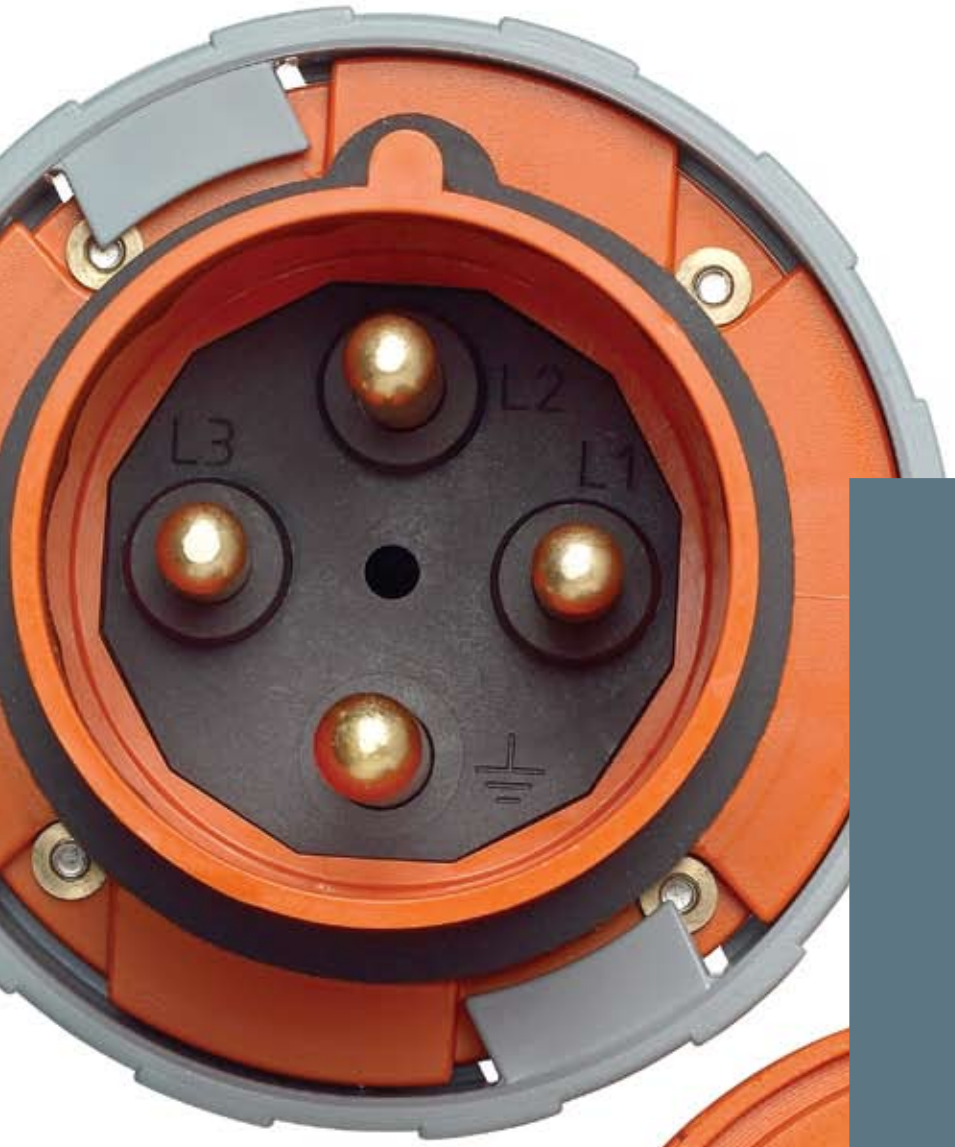
D

CONSUMABLES KITS

Description	Cat. No.
[A] Universal Consumables Kit	49800-CON
[B] Fast-Cure Consumables Kit	49800-FCC
[C] Adhesive/Accelerator Kit	49800-680
[D] Fan-Out Consumables Kit	49800-FAN

CONSUMABLES

Description	Cat. No.
Piano Wire	49886-WRE
Lint Free Dry Wipes (100 per pack)	49886-DWP
Alcohol Pads (100 per pack)	49886-APD
12µm Aluminum Oxide Lapping Film, pink (100 per pack)	49886-12F
3µm Aluminum Oxide Lapping Film, yellow (100 per pack)	49886-03F
0.3µm Aluminum Oxide Lapping Film, light blue (100 per pack)	49886-X3F
Replacement Needles (25 per pack)	49886-FCN
Replacement Syringes (25 per pack)	49886-SYR



Pin and Sleeve Devices

INDEX

Industrial Grade
North American Rated
20A-30A 430
60A-100A 431

Industrial Grade
Mechanical Interlocks 438

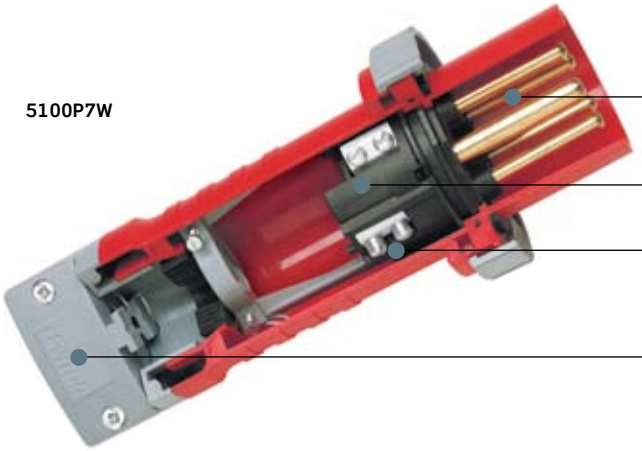
Industrial Grade
International Rated 16A-125A 445
Valox® Back Boxes 450
Watertight Hubs & Closure Caps 452
Lockout/Tagout Devices 452
Accessories 453
Catalog Numbering System Chart 454



LEVITON

Industrial Grade - North American Rated

The Watertight Line. Superior Connection...Superior Protection



5100P7W

Clean Brass Pins

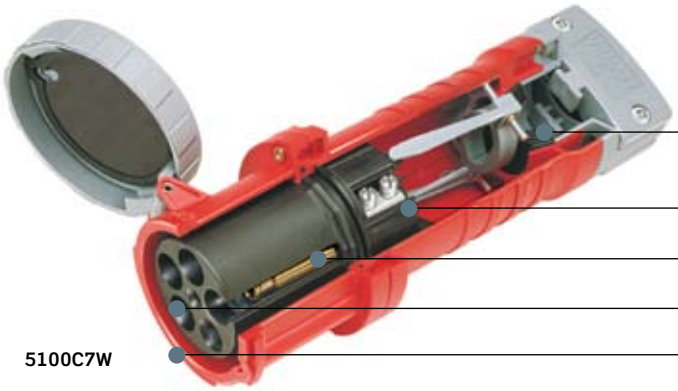
Reinforced Nylon Contact Carrier

Terminal Screws, Stainless Steel (100A), Solid Brass (20-60A)

Heavy-Duty Valox 357 Exterior Cord Clamp



Accepts liquid-tight conduit with adapter accessory



Watertight Chloroprene Onion Skin Grommet

Rear Terminals, Raised Lettering, Identification

Calibrated, Self-Adjusting Contacts

Front Terminals, Raised Lettering, Identification

5100C7W

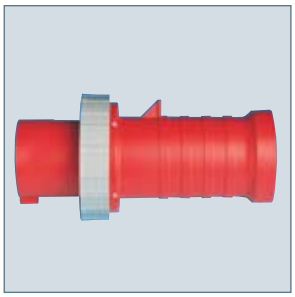
Super-Durable Valox® 357 Housing

Valox® is a registered trademark of GE.

Features and Benefits

- Rugged housing, made of superior performance Valox 357, provides maximum corrosion protection and makes the device resistant to impact and abuse; greater resistance to temperature extremes, V-0 flame rated and superior UV stability
- Contact carrier resists arcing and internal heat build-up; 60 and 100 amp contact/pin carriers are made of reinforced nylon for even greater strength and temperature resistance
- Solid brass terminal screws on 20A, 30A and 60A devices provide maximum clamping pressure
- Stainless steel terminal screws and terminals on 100A devices provide corrosion resistance in caustic environments
- Dependable, clean brass construction for long life, reliable electrical contact, maximum conductivity, and corrosion resistance
- Watertight Chloroprene onion skin grommet provides a precise, reliable seal at the cable entry point
- Ground, neutral and phase terminals are clearly identified by color coding or letters and numbering on both front and back side
- Multiple contact points assure a continuously reliable electrical connection
- Engineered to IP67 Watertight Standards
- North American Rated Devices 20, 30, 60 and 100 Amp
- Meets North American IEC 60309-1 and 60309-2 Standards
- UL Rated for both 50 and 60 Hz applications
- Rockwell Automation Encompass™ Product Partner
- Limited Two-Year Warranty

Industrial Grade – North American Rated



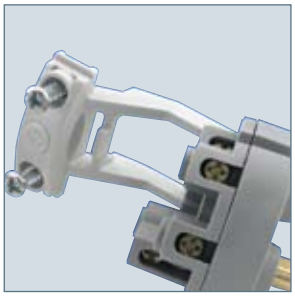
Super Tough Housing
- Provides maximum protection from abuse and environment
- Heavy-wall molding of Valox 357 resists impact, heat, flame and chemicals
- Superior performance in low-to-high ambient temperature extremes (-40°C to 60°C)
- Excellent UV stability for superior outdoor performance (UL1682)
- V-0 flammability rating
- Fully insulated
- Color-coded by voltage for easy identification



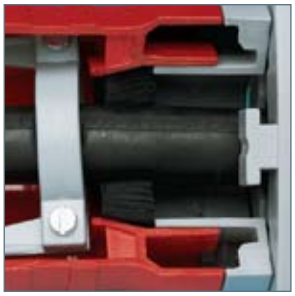
Pin & Contact Carrier 60 & 100 Amp
- Protects pins & contacts, holding them firmly in place
- Pin Carrier and Contact Carrier constructed of glass fiber reinforced nylon for maximum impact resistance and maximum protection of pins and contacts
- Superior arc-tracking resistance
- Excellent heat-resistance and flame resistance
- Chamfered wire entry makes wiring easier



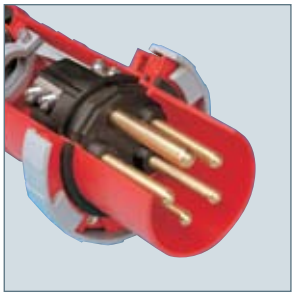
External Cord Clamp
- Protects terminals from strain
- Accommodates a wide variety of cord sizes
- Excellent impact strength
- Excellent UV stability for superior outdoor performance (UL1682)
- V-0 flammability rating
- Accepts wire mesh strain relief



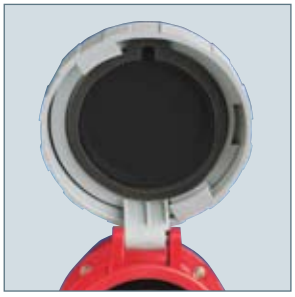
Pin & Contact Carrier 20 & 30 Amp
- Pin Carrier and Contact Carrier constructed of nylon for maximum impact resistance and maximum protection of pins and contacts
- Terminal screws are aligned on a single plane for easier access
- Internal hinged cord clamp adds strain-relief and swings aside when wiring terminals
- Large diameter combination head terminal screws



Internal Cord Clamp
- Secondary method for eliminating strain on terminals and conductors
- True IEC 60309-1 & 60309-2 acceptance
- Constructed of sturdy thermoplastic for tough environments
- Removes easily for user convenience



Pins
- Designed for manageable insertion/withdrawal force
- Clean brass construction resists corrosion, provides superior contact and low electrical resistance
- Rounded tips reduce insertion force and decrease wear on the contact surface area



Spring Loaded Cover, Cover Arm, & Locking Rings
- Rings lock plug to connector
- Spring loaded cover closes automatically
- "Performance grade" Stainless Steel cover spring for superior corrosion-resistance and long life
- Excellent UV stability for outdoor use
- V-0 flammability rating
- Interior arm design in 60 and 100 amp helps eliminate breakage



Sleeves (Contacts)
- Designed for manageable insertion/withdrawal force
- Clean brass construction resists corrosion, provides superior contact and low electrical resistance
- Self-adjusting, machine-calibrated contacts for accurate contact pressure designed for superior wiping and cleaning action
- Made from high performance Swedish Industrial Standard (SIS) Brass 5170-04
- Positioned at sleeve entrance, stainless steel spring enables pin cleaning at earliest point of entry



Gasket/Grommet
- Prevents moisture, dust, and contaminants from entering housing or pin/contact carrier
- Solid Chloroprene for positive seal and excellent chemical/corrosion-resistance
- Onion skin design on grommet provides precise watertight fit, eliminating the need to choose from multiple grommets that may not fit the cable jacket precisely



Terminal Screws
- Engineered to provide maximum holding power and lowest electrical resistance
- Accepts a wide range of conductors
- Double screws ensure secure connection
- Direct bearing pressure terminals for 20, 30 and 60 Amp ratings; pressure clamp termination for 100 Amp devices
- Stainless steel terminal screws and terminals for top performance on 100 Amp

Industrial Grade - North American Rated

20 AMP and 30 AMP Watertight Pin & Sleeve Devices

Specifications and Features
- Engineered to IP67 Watertight Standards
- Meets North American IEC 60309-1 and 60309-2 Standards
- Limited Two-Year Warranty


PLUG — 320P4W


CONNECTOR — 320C4W


RECEPTACLE — 420R9W


INLET — 420B9W


BACK BOX — BX230-V

20 AMP AND 30 AMP WATERTIGHT PIN & SLEEVE DEVICES

Amps	Wiring	Voltage AC	Connector/ Receptacle	Plug/ Inlet	Cat. No. Plug	Cat. No. Connector	Cat. No. Receptacle	Cat. No. Inlet	Cat. No. Back Box
20	2p3w	125			320P4W	320C4W	320R4W	320B4W	BX230-V
	2p3w	250			320P6W	320C6W	320R6W	320B6W	BX230-V
	2p3w	480			320P7W	320C7W	320R7W	320B7W	BX230-V
	3p4w	125/250			420P12W	420C12W	420R12W	420B12W	BX230-V
	3p4w	3Ø250			420P9W	420C9W	420R9W	420B9W	BX230-V
	3p4w	3Ø480			420P7W	420C7W	420R7W	420B7W	BX230-V
	3p4w	3Ø600			420P5W	420C5W	420R5W	420B5W	BX230-V
	4p5w	3ØY120/208			520P9W	520C9W	520R9W	520B9W	BX230-V
	4p5w	3ØY277/480			520P7W	520C7W	520R7W	520B7W	BX230-V
	4p5w	3ØY347/600			520P5W	520C5W	520R5W	520B5W	BX230-V
30	2p3w	125			330P4W	330C4W	330R4W	330B4W	BX230-V
	2p3w	250			330P6W	330C6W	330R6W	330B6W	BX230-V
	2p3w	480			330P7W	330C7W	330R7W	330B7W	BX230-V
	3p4w	125/250			430P12W	430C12W	430R12W	430B12W	BX230-V
	3p4w	3Ø250			430P9W	430C9W	430R9W	430B9W	BX230-V
	3p4w	3Ø480			430P7W	430C7W	430R7W	430B7W	BX230-V
	3p4w	3Ø600			430P5W	430C5W	430R5W	430B5W	BX230-V
	4p5w	3ØY120/208			530P9W	530C9W	530R9W	530B9W	BX230-V
	4p5w	3ØY277/480			530P7W	530C7W	530R7W	530B7W	BX230-V
	4p5w	3ØY347/600			530P5W	530C5W	530R5W	530B5W	BX230-V

60 AMP and 100 AMP Watertight Pin & Sleeve Devices

Specifications and Features
- Engineered to IP67 Watertight Standards
- Meets North American IEC 60309-1 and 60309-2 Standards
- Limited Two-Year Warranty


PLUG — 4100P12W


CONNECTOR — 4100C12W

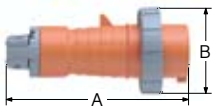

RECEPTACLE — 360R6W


INLET — 360B7W

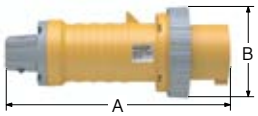

BACK BOX — BX100-V

60 AMP AND 100 AMP WATERTIGHT PIN & SLEEVE DEVICES

AMPS	Wiring	Voltage AC	Connector/ Receptacle	Plug/ Inlet	Cat. No. Plug	Cat. No. Connector	Cat. No. Receptacle	Cat. No. Inlet	Cat. No. Back Box
60	2p3w	125			360P4W	360C4W	360R4W	360B4W	BX60-V
	2p3w	250			360P6W	360C6W	360R6W	360B6W	BX60-V
	2p3w	480			360P7W	360C7W	360R7W	360B7W	BX60-V
	3p4w	125/250			460P12W	460C12W	460R12W	460B12W	BX60-V
	3p4w	3Ø250			460P9W	460C9W	460R9W	460B9W	BX60-V
	3p4w	3Ø480			460P7W	460C7W	460R7W	460B7W	BX60-V
	3p4w	3Ø600			460P5W	460C5W	460R5W	460B5W	BX60-V
	4p5w	3ØY120/208			560P9W	560C9W	560R9W	560B9W	BX60-V
	4p5w	3ØY277/480			560P7W	560C7W	560R7W	560B7W	BX60-V
	4p5w	3ØY347/600			560P5W	560C5W	560R5W	560B5W	BX60-V
100	2p3w	125			3100P4W	3100C4W	3100R4W	3100B4W	BX100-V
	2p3w	250			3100P6W	3100C6W	3100R6W	3100B6W	BX100-V
	2p3w	480			3100P7W	3100C7W	3100R7W	3100B7W	BX100-V
	3p4w	125/250			4100P12W	4100C12W	4100R12W	4100B12W	BX100-V
	3p4w	3Ø250			4100P9W	4100C9W	4100R9W	4100B9W	BX100-V
	3p4w	3Ø480			4100P7W	4100C7W	4100R7W	4100B7W	BX100-V
	3p4w	3Ø600			4100P5W	4100C5W	4100R5W	4100B5W	BX100-V
	4p5w	3ØY120/208			5100P9W	5100C9W	5100R9W	5100B9W	BX100-V
	4p5w	3ØY277/480			5100P7W	5100C7W	5100R7W	5100B7W	BX100-V
	4p5w	3ØY347/600			5100P5W	5100C5W	5100R5W	5100B5W	BX100-V



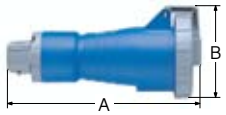
20A, 30A PLUG



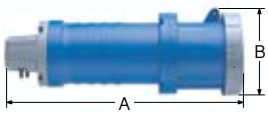
60A, 100A PLUG

PLUG DIMENSIONS

Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip	Cord Grip
		A	B	A	B	Range (Inches)	Range (mm)
320P	20	5.83	2.80	148	71	.350 -.860	9 - 22
420P	20	6.46	3.11	164	79	.350 -.860	9 - 22
520P	20	6.61	3.43	168	87	.437 -1.187	11 - 30
330P	30	6.85	3.70	174	94	.437 -1.187	11 - 30
430P	30	6.85	3.70	174	94	.437 -1.187	11 - 30
530P	30	7.40	3.98	188	101	.437 -1.450	11 - 37
360P	60	10.83	4.49	275	114	.670 -1.625	17 - 41
460P	60	10.83	4.49	275	114	.670 -1.625	17 - 41
560P	60	10.83	4.49	275	114	.670 -1.625	17 - 41
3100P	100	12.3	5	312	127	.950 -1.875	24 - 48
4100P	100	12.3	5	312	127	.950 -1.875	24 - 48
5100P	100	12.3	5	312	127	.950 -1.875	24 - 48



20A, 30A CONNECTOR



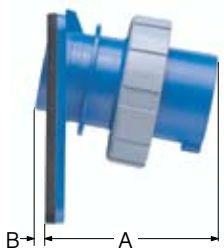
60A, 100A CONNECTOR

CONNECTOR DIMENSIONS

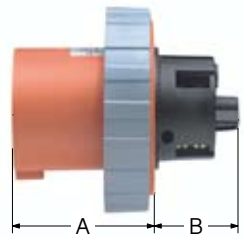
Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip	Cord Grip
		A	B	A	B	Range (Inches)	Range (mm)
320C	20	6.73	3.19	171	81	.350 -.860	9 - 22
420C	20	7.36	3.46	187	88	.350 - .860	9 - 22
520C	20	7.95	3.82	202	97	.437 -1.187	11 - 30
330C	30	7.95	4.02	202	102	.437 -1.187	11 - 30
430C	30	7.95	4.02	202	102	.437 -1.187	11 - 30
530C	30	8.27	4.29	210	109	.437 -1.450	11 - 37
360C	60	11.26	4.41	286	112	.670 -1.625	17 - 41
460C	60	11.26	4.41	286	112	.670 -1.625	17 - 41
560C	60	11.26	4.41	286	112	.670 -1.625	17 - 41
3100C	100	12.8	4.84	325	123	.950 -1.875	24 - 48
4100C	100	12.8	4.84	325	123	.950 - 1.875	24 - 48
5100C	100	12.8	4.84	325	123	.950 -1.875	24 - 48

INLET DIMENSIONS

Cat. No.	Amps	Unit (inches)		Unit (mm)	
		A	B	A	B
320B	20	1.85	0.39	47	10
420B	20	2.09	0.39	53	10
520B	20	2.32	0.39	59	10
330B	30	2.36	0.47	60	12
430B	30	2.36	0.47	60	12
530B	30	2.64	0.47	67	12
360B	60	3.15	1.97	80	50
460B	60	3.15	1.97	80	50
560B	60	3.15	1.97	80	50
3100B	100	3.50	2.21	89	56
4100B	100	3.50	2.21	89	56
5100B	100	3.50	2.21	89	56



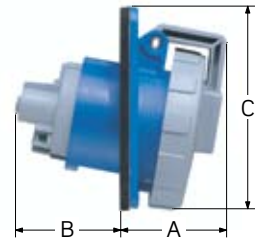
20A, 30A INLET



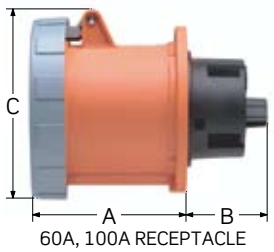
60A, 100A INLET

RECEPTACLE DIMENSIONS

Cat. No.	Amps	Unit (inches)			Unit (mm)		
		A	B	C	A	B	C
320R	20	1.77	2.24	3.74	45	57	95
420R	20	1.77	2.24	3.74	45	57	95
520R	20	1.85	2.24	3.90	47	57	99
330R	30	2.20	2.40	4.10	56	61	104
430R	30	2.20	2.40	4.10	56	61	104
530R	30	2.20	2.44	4.37	56	62	111
360R	60	3.50	1.89	4.37	89	48	111
460R	60	3.50	1.89	4.37	89	48	111
560R	60	3.50	1.89	4.37	89	48	111
3100R	100	3.94	2.28	4.80	100	58	122
4100R	100	3.94	2.28	4.80	100	58	122
5100R	100	3.94	2.28	4.80	100	58	122



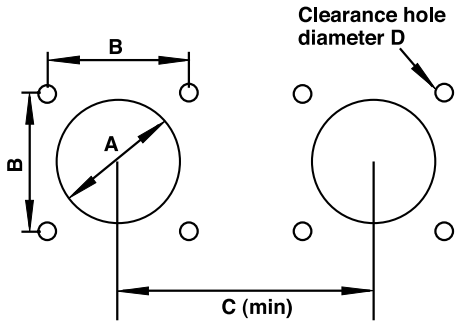
20A, 30A RECEPTACLE



60A, 100A RECEPTACLE

DRILLING PLAN (INLETS & RECEPTACLES) DIMENSIONS

Device Size		A		B		C (min)		D	
		inches	mm	inches	mm	inches	mm	inches	mm
20A; 3-wire:	Receptacle	3.26	83	3.12	79.5	3.94	100	0.185	4.7
	Inlet	3.26	83	3.12	79.5	3.94	100	0.185	4.7
20A; 4-wire:	Receptacle	3.26	83	3.12	79.5	4.33	110	0.185	4.7
	Inlet	3.26	83	3.12	79.5	4.33	110	0.185	4.7
20A; 5-wire:	Receptacle	3.26	83	3.12	79.5	4.92	125	0.236	6.0
	Inlet	3.26	83	3.12	79.5	4.92	125	0.185	4.7
30A; 3-wire:	Receptacle	3.26	83	3.12	79.5	5.12	130	0.236	6.0
	Inlet	3.26	83	3.12	79.5	5.12	130	0.185	4.7
30A; 4-wire:	Receptacle	3.26	83	3.12	79.5	5.12	130	0.236	6.0
	Inlet	3.26	83	3.12	79.5	5.12	130	0.185	4.7
30A; 5-wire:	Receptacle	3.26	83	3.12	79.5	5.71	145	0.236	6.0
	Inlet	3.26	83	3.12	79.5	5.71	145	0.185	4.7
60A	All	2.76	70	2.40	61	6.69	170	0.224	5.7
100A	All	3.47	88	2.80	71	7.87	200	0.280	7.1



North American Watertight

Specifications and Features

- Rockwell Automation Encompass™ Product Partner
- Listed to UL 1682 and 1686
- Certified to CSA Standard C22.2 number 182.1
- Classified to IEC Standards 60309-1 and 60309-2 for both North American-rated and International-rated voltages and services
- CE marking per low-voltage directives 73/23/EEC, 93/68/EEC

MATERIAL SPECIFICATIONS

Description	Part	Material
Inlets	Housing	Valox® 357
	Locking Ring	Valox 357
	Mounting Flange	Valox 357
	Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
	Phase, Ground Pins	Brass
	20, 30, 60A Terminal Screws	Brass
	100A Terminal Screws	Stainless Steel
	Sealing Gasket	Solid Chloroprene

Description	Part	Material
Plugs	Housing	Valox® 357
	Locking Ring	Valox 357
	Sealing Gasket	Solid Chloroprene
	Internal Cord Clamp Assembly	Thermoplastic
	External Cord Clamp Assembly	Valox 357
	Gland Cap	Valox 357
	Grommet	Chloroprene Onion Skin
	Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
	Ground, Phase Pins	Brass
	20, 30, 60A Terminal Screws	Brass
	100A Terminal Screws	Stainless Steel
	Internal Screws	Zinc-plated Steel
	External Screws	Acid-proof Stainless Steel
Connectors	Housing	Valox 357
	Internal Cord Clamp Assembly	Thermoplastic
	External Cord Clamp Assembly	Valox 357
	Gland Cap	Valox 357
	Grommet	Chloroprene Onion Skin
	Cover with Arm	Valox 357
	Arm Spring	"Performance Grade" Stainless Steel
	Cover Eyelet	Nickel-Plated Brass
	Sealing Gasket	Solid Chloroprene
	Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
	Phase, Ground Sleeve	Brass
	Sleeve Spring	Stainless Steel
	20, 30, 60A Terminal Screws	Brass
	100A Terminal Screws	Stainless Steel
	Internal Screws	Zinc-plated Steel
	External Screws	Acid-proof Stainless Steel
Receptacles	Housing	Valox 357
	Mounting Flange	Valox 357
	Cover with Arm	Valox 357
	Arm Spring	"Performance Grade" Stainless Steel
	Cover Eyelet	Nickel-Plated Brass
	Sealing Gasket	Solid Chloroprene
	20, 30, 60A Terminal Screws	Brass
	100A Terminal Screws	Stainless Steel
	Phase, Ground Sleeves	Brass
	Sleeve Spring	Stainless Steel

Valox® is a registered trademark of GE.

TESTING AND CODE COMPLIANCE
- UL Listed 1682 & 1686 (File #E164321 & E164322)
- CSA Listed C22.2 #182.1 (File #LR700925)
- CE and IEC Certified (File #60309-1 & 60309-2)



460P7W

PERFORMANCE SPECIFICATIONS — UL 1682 & 1686

Electrical

Category	Specifications	
Dielectric Voltage	Devices rated ≤300V: 2000V for 1 min. Devices rated >300V: 3000V for 1 min.	
Insulation Resistance	500 V for 1 min. Insulation Resistance ≥5 megohms	
Ground Path Current	Apply high current for short time and maintain continuity	
Overload	150% of rated current and 100% of rated voltage for 50 cycles (Power factor 0.75-0.80)	
Current Interrupting	Certified for current interrupting at full-rated current and voltage	
Temperature Rise	Max 30°C rise at full rated current (after overload)	
Resistance to Arcing	Continuation of overload for additional 200 cycles	
Endurance with Load	**Device**	**# Cycles with Load**
	20A 30A, 60A 100A (Power Factor 0.75 - 0.80)	5000 Rated Current, Voltage 1000 Rated Current, Voltage 250 Rated Current, Voltage



460C12W

Mechanical

Category	Specifications	
Mold Stress Relief	70°C for 7 hrs	
Humidity	32°C, 93% humidity, 168 hrs	
Cable Secureness	Pull force and apply torque for 1 minute	
Impact	Drop from 30" 8 times after conditioning to -25°C, for 6 hrs	
Crush	250 lbs for 1 min after -25°C for 6 hrs	
Withdrawal Force	Pull for one minute	
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws	
Endurance	**Device**	**Total # Cycles (connect & disconnect)**
	20A 30A, 60A 100A	5000 2000 500
Polarization Integrity	Matching devices will not mate so that ground is energized even when polarization feature is removed and 40-lb insertion force applied	

Environmental

Flammability	V2 or better on 20 and 30 amp devices per UL 94 or CSA 22.2 No. 0.6 ; V-0 on 60 & 100 amp devices
Resistance to Corrosion	Ferrous parts immersed in to Corrosion 10% ammonium chloride solution
Moisture Resistance per UL 1682	Watertight: Device immersed for 24 hrs in 5 cm of 25°C water Splashproof: 1" dia. water stream at 15 PSI from 10 ft. for 5 minutes
UV Resistance	Exposed plastic materials are UV stabilized

Short-Time Grounding Test Currents

Device Rating, Amperes	Minimum Size Equipment Grounding Conductor (Copper) AWG	(mm2)	Time Seconds	Test Current, Amperes
20	12	(3.3)	4	470
30	10	(5.3)	4	750
60	10	(5.3)	4	750
100	8	(8.4)	4	1180

Ground-path integrity is of critical importance to safe operation of industrial equipment. Leviton pin and sleeve devices are tested by applying a test current through their ground path that far exceeds the device rating. All devices are properly wired and connected to line current at rated values. Then the ground path is subjected to a dramatic, sudden increase in current for 4 seconds. In all cases, the ground pin, sleeve, and terminals of the devices must sustain the test current, continue to function properly, and show no evidence of damage or deterioration in any electrical or mechanical elements of the ground path. Test current values and test parameters are displayed in the above chart.

Cord Secureness Test Values

Device Rating	Force		Torque		Maximum Displacement	
Amperes	lb	N	ft-lb	N • M	inches	mm
20	30	133	0.4	0.54	≤3/32	2.38
30	75	333	0.5	0.68	≤3/32	2.38
60	150	667	1.0	1.4	≤3/32	2.38
100	150	667	2.0	2.7	≤3/32	2.38

Heavy cord stress is typical of industrial applications. To assure you of top performance, Leviton pin and sleeve devices are subjected to a punishing series of tests to confirm they can absorb heavy cord pulls. The cord conductors wired to devices are simultaneously twisted and pulled. Values for the applied twisting torque and force of pull are shown above. In all cases, the cord displacement is less than 3/32 inches.

Minimum Withdrawal Force

Device Rating, Amperes	Minimum Withdrawal Force	
Amperes	lb	N
20	5	22
30	6	27
60	15	67
100	20	89

In industrial settings, inadvertent disconnection of power can be troublesome at best, dangerous at worst, and unacceptable in any case. To verify that Leviton pin and sleeve plugs and connectors remain securely connected, they are tested to establish the minimum force required for withdrawal. In establishing these minimum withdrawal forces, the plugs and connectors are properly mated, but not locked with locking rings or other mechanical means. The pins and sleeves provide the only resistance to the force of withdrawal. In all cases, the values in the table above show the minimum force required to separate the plugs and connectors.

PowerSwitch® Mechanical Interlocks

PowerSwitch Mechanical Interlock devices incorporate a safety disconnect switch and IEC receptacle in a non-metallic watertight enclosure. The interlock mechanism prevents making and breaking of power under load. The switch cannot be actuated to the ON position until an IEC compatible plug is fully inserted, and the plug cannot be removed until the switch is in the OFF position. The complete IEC 60309-1 and 60309-2 system of plugs, connectors, inlets and mechanical interlock devices can be used for both retrofit and new installations enhancing safety and performance in critical power connections.

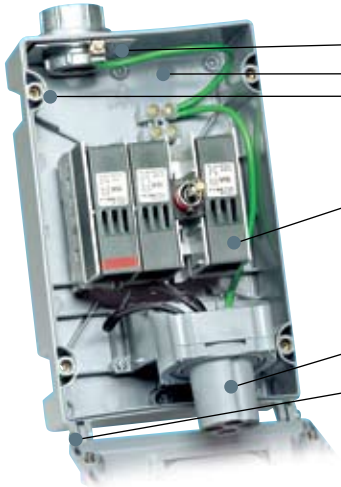
Specifications and Features

- 20, 30, 60 Amp Non-Fused and Fused
- 100 Amp Non-Fused and breakered
- Engineered to IP67 Watertight Standards
- Fused models accept "Class J" Time-Delay Fuses
- Backed by a Two-Year Limited Warranty



420MF9W

- Liquid-tight conduit fitting can be installed for top or bottom feed. Conduit Hub sold separately
- Stainless steel screws are captive and will not fall out when cover is opened
- Red "pistol grip" handle provides visual confirmation of switch's status
- Integrated lockout handle meets OSHA safety regulations
- Impact, UV and chemical-resistant Valox enclosure rated to UL and IEC watertight standards
  - Type 3R, 4X & 12K
  - IP67
- Circuit identification pad for means of identifying specific equipment loads
- Color-coded receptacle cover indicates voltage rating of device and seals against water and other contaminants when not in use



420MF9W

- Pre-wired grounding plate connects to metal conduit grounding system
- Generous wiring space for drip loop or top to bottom wiring
- Brass threaded inserts will not strip, provide higher torque, and form tighter seal between back box and cover
- Disconnect switch with integrated fuse holder offers proven performance in a compact package
  - Fused cartridges accept "Class J" fuses (not included)
  - One factory installed auxiliary contact (normally opened – 10 Amp). Additional auxiliary contact available
  - Easily accessible neutral and ground terminal blocks
- Pre-wired IEC receptacle accepts all manufacturer's IEC 60309-2 plugs
- Rugged hinge mechanism pivots 180° for easy access during installation and maintenance

TESTING AND CODE COMPLIANCE

- Meets 231 & UL 1686 Standards
- Fused UL 98 (File #E171391)
- Non-Fused - UL 508 (File #E63969)
- CSA Certified C22.2 No. 182 & No. 14 (File #LR700925)
- CE, IEC Certified (File #60309-1 & 60309-2)
- Engineered to UL & IEC Watertight Standards

PowerSwitch®

NORTH AMERICAN WATERTIGHT BREAKERED MECHANICAL INTERLOCKS



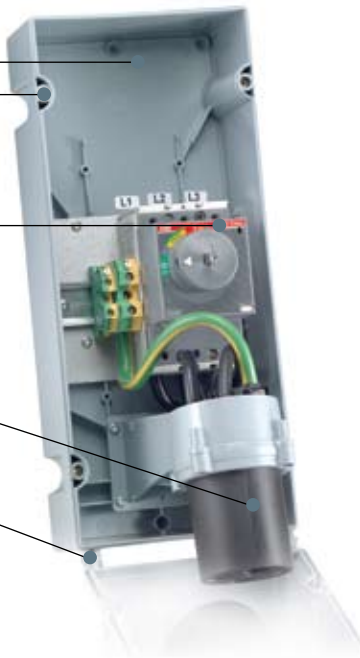
Stainless steel screws are captive and will not fall out when cover is opened

Red "pistol grip"handle provides visual confirmation of switch's status: ON, OFF, TRIPPED

Integrated lockout handle meets OSHA safety regulations

Circuit identification pad for means of identifying specific equipment loads

Color-coded receptacle cover indicates voltage rating of device and seals against water and other contaminants when receptacle is not in use



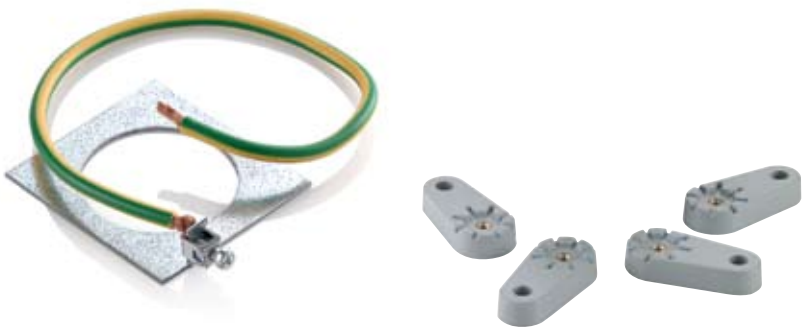
Generous wiring space for drip loop or top to bottom wiring

Brass threaded inserts resist stripping, provide higher torque, and form tighter seal between back box and cover

Circuit-Breaker integrated into switch provides overload protection

Pre-wired IEC receptacle accepts all manufacturers' IEC 60309-2 plugs

Rugged hinge mechanism pivots 180° for easy access during installation and maintenance



Liquid-tight conduit fitting can be installed for top or bottom feed.
Four Mounting Feet included.

PowerSwitch®

Industrial Grade - Mechanical Interlocks

NORTH AMERICAN WATERTIGHT MECHANICAL INTERLOCKS (FUSED, BREAKERED AND NON-FUSED) TYPE 3R, 4X & 12K

IP67

AMPS	Wiring	Voltage AC	Receptacle Config.	Plug Config.	Non-Fused Mechanical Interlock	HP Rating	Fused Mechanical Interlock	HP Rating	Cat. No. Use Plug
20	2p3w	240			320MI6W	3	—	—	320P6W
	2p3w	480			320MI7W	5	—	—	320P7W
	3p4w	125/250			420MI12W	*	420MF12W	*	420P12W
	3p4w	3Ø240			420MI9W	10	420MF9W	5	420P9W
	3p4w	3Ø480			420MI7W	20	420MF7W	10	420P7W
	3p4w	3Ø600			420MI5W	25	420MF5W	15	420P5W
	4p5w	3ØY120/208			520MI9W	10	—	—	520P9W
	4p5w	3ØY277/480			520MI7W	20	—	—	520P7W
	4p5w	3ØY347/600			520MI5W	25	—	—	520P5W
30	2p3w	240			330MI6W	5	—	—	330P6W
	2p3w	480			330MI7W	10	—	—	330P7W
	3p4w	125/250			430MI12W	*	430MF12W	*	430P12W
	3p4w	3Ø240			430MI9W	10	430MF9W	7.5	430P9W
	3p4w	3Ø480			430MI7W	20	430MF7W	15	430P7W
	3p4w	3Ø600			430MI5W	25	430MF5W	20	430P5W
	4p5w	3ØY120/208			530MI9W	10	—	—	530P9W
	4p5w	3ØY277/480			530MI7W	20	530MF7W	15	530P7W
	4p5w	3ØY347/600			530MI5W	25	530MF5W	20	530P5W

*Consult factory for your specific application.



420MF9W



560MI7W

PowerSwitch®

TESTING AND CODE COMPLIANCE

- Engineered to UL & IEC Watertight Standards

TYPE 3R, 4X & 12K
IP67

AMPS	Wiring	Voltage AC	Receptacle Config.	Plug Config.	Non-Fused Mechanical Interlock	HP Rating	Fused Mechanical Interlock	HP Rating	Cat. No. Use Plug
60	2p3w	240			360MI6W	10	360MF6W	*	360P6W
	2p3w	480			360MI7W	20	—	—	360P7W
	3p4w	125/250			460MI12W	*	460MF12W	*	460P12W
	3p4w	3Ø240			460MI9W	20	460MF9W	15	460P9W
	3p4w	3Ø480			460MI7W	40	460MF7W	30	460P7W
	3p4w	3Ø600			460MI5W	40	460MF5W	50	460P5W
	4p5w	3ØY120/208			560MI9W	20	560MF9W	15	560P9W
	4p5w	3ØY277/480			560MI7W	40	—	—	560P7W
	4p5w	3ØY347/600			560MI5W	40	—	—	560P5W

*Consult factory for your specific application.
Fused Models Accept "Class J" Time-Delay Fuses.

TYPE 3R, 4X & 12K
IP67

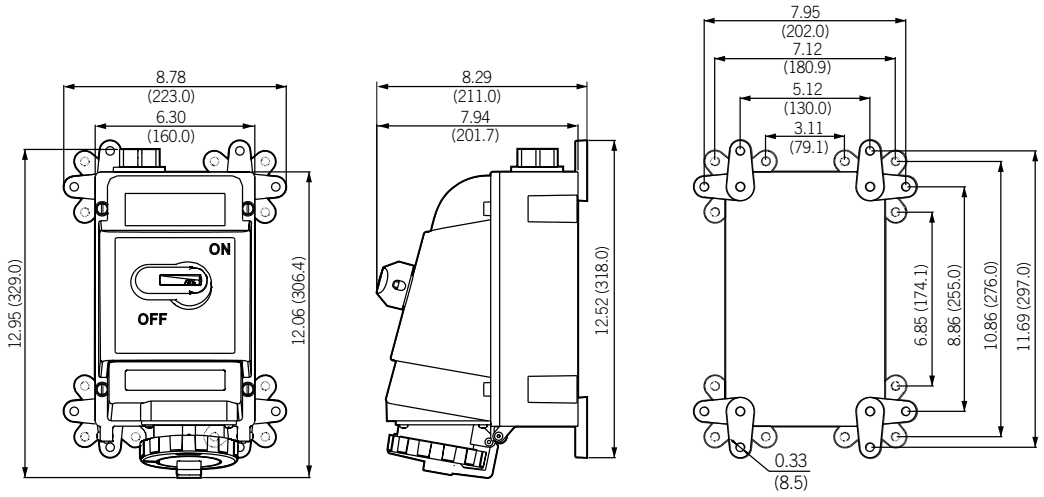
AMPS	Wiring	Voltage AC	Receptacle Config.	Plug Config.	Non-Fused Mechanical Interlock	HP Rating	Breakered Mechanical Interlock	Cat. No. Use Plug
100	2p3w	125			3100MI4W	5*	—	3100P4W
	2p3w	240			3100MI6W	15	—	3100P6W
	2p3w	480			3100MI7W	25	—	3100P7W
	3p4w	125/250			4100MI12W	15*	—	4100P12W
	3p4w	3Ø240			4100MI9W	30	4100MB9W	4100P9W
	3p4w	3Ø480			4100MI7W	50	4100MB7W	4100P7W
	3p4w	3Ø600			4100MI5W	50	—	4100P5W
	4p5w	3ØY120/208			5100MI9W	25	5100MB9W	5100P9W
	4p5w	3ØY277/480			5100MI7W	50	—	5100P7W
	4p5w	3ØY347/600			5100MI5W	50	—	5100P5W

*Consult factory for your specific application.

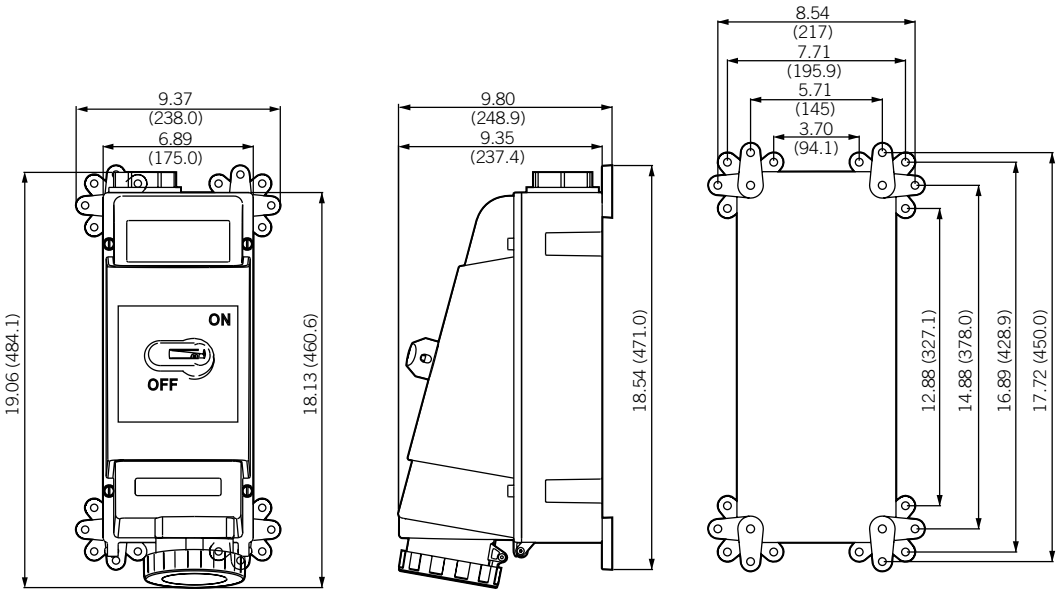
TESTING AND CODE COMPLIANCE
- Engineered to UL & IEC Watertight Standards
- Enclosures are rated Type 3R, 4X & 12K, IP67
- Listed to UL 231 & 1686
- Certified to CSA Standard C22.2 number 182.1& 14
- Classified to IEC Standards 60309-1 and 60309-2 for both North American-rated voltages and services
- CE marking per low-voltage directives 73/23/EEC, 93/68/EEC
- Switches are listed to UL 508 for Non-Fused & UL 98 for Fused models (including 100 Amp Non-Fused and breakered models)

PowerSwitch®

DIMENSIONS



20 AMP & 30 AMP FUSED AND NON-FUSED



60 AMP FUSED & NON-FUSED &100 AMP NON-FUSED AND BREAKERED

PowerSwitch®

North American Watertight Mechanical Interlocks (20, 30, 60 & 100A)

Specifications and Features

- Enclosures are rated Type 3R, 4X & 12K, IP67
- Listed to UL 231 and 1686
- Certified to CSA Standard C22.2 number 182.1& 14
- Classified to IEC Standards 60309-1 and 60309-2
- CE marking per low-voltage directives 73/23/EEC, 93/68/EEC
- Switches are listed to UL 508 for Non-Fused and UL 98 for Fused models (including 100 Amp Non-Fused) and breakered models

MATERIAL SPECIFICATIONS

20 and 30 Amp Devices

Part	Material
Housing Cover	Valox® 357
Housing Base	Valox 357
Cover with Arm	Valox 357
Locking Ring	Valox 357
Cover Arm Eyelet	Nickel-Plated Brass
Housing Gasket	Solid Chloroprene
Sealing Gasket	Solid Chloroprene
Handle	Valox 357
Actuator Shaft	Zinc-Coated Steel
Locking Mechanism	Valox 357
Contact Carrier	Nylon
Phase and Ground Sleeves	Brass
Ground Contact	Brass
Conduit Grounding Plate	Zinc-Coated Steel
Switch	Reinforced Nylon
Switch Terminal Contacts	Brass
Switch Contacts	Cadmium-Free Silver Alloy
Internal Screws	Zinc-Coated Steel
Housing Screws	Stainless Steel

Additional Components for 60 Amp Devices

Part	Material
Ground Buss	Brass
Neutral Buss	Brass
Actuator Shaft	Zinc-Coated Steel
Contact Carrier	Reinforced Nylon
Locking Mechanism	Valox 357

Additional Components for 100 Amp Devices

Part	Material
Ground Terminal	Plated Brass/ Steel
Ground Terminal Block	Nylon
Neutral Terminal	Plated Brass/Steel
Neutral Terminal Block	Nylon
Terminal Shaft Key	Die-Cast Aluminum
Actuator Shaft	Zinc-Coated Steel
Contact Carrier	Reinforced Nylon
Switch	Reinforced Nylon
Locking Mechanism	Valox 357

Valox® is a registered trademark of GE.



PowerSwitch®

Industrial Grade - Mechanical Interlocks

PERFORMANCE SPECIFICATIONS

Electrical

Description	Device	Current Applied	Duration
Ground Path Intergity	20A	40A	2 min.
	30A	60A	2 min.
	60A	120A	4 min.
	100A	200A	6 min.

Description	Result
Current Interrupting	Certified for current interrupting at full-rated current and voltage
Endurance	6000 operations at rated current and voltage (Power Factor 0.75 — 0.80)
Dielectric	1000 V plus rated voltage for 1-minute

Mechanical

Description	Result
Mold Stress Relief	70°C for 7 hours
Crush	100 lb
Impact	1.2 lb steel ball dropped from 5 ft
Cold Impact	Same as above, after conditioning to -35°C
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws
Pullout	18 lb pull on internal wires

Environmental

Description	Result
Flammability	No 0.6; V-0 for watertight enclosure
Rain (3R) per UL 50	Water spray @ 5 psi from all sides for 1 hr
Hosedown (4X) per UL 50	Water spray @ 65 gal/min for 5 min.
Dust (12K) per UL 50	Cement Dust Circulated @ 1000 ft/minute for 5 minutes
Gasket Aging	70°C for 168 hours
UV Resistance	Exposed plastic materials are UV stabilized
Operating Temperature	-40°C to +60°C (-40°F to +140°F)

TESTING AND CODE COMPLIANCE
Meets the following Certification Standards
- UL 231 & 1686
- UL 98 Fused
- UL 508 Non-Fused
- CSA C22.2
- CE
- Certified IEC 60309-1 & 60309-2

PowerSwitch®

International-Rated Devices

Leviton offers international-rated pin and sleeve devices available in 16, 32, 63 and 125 Amps. These IEC 60309-1 and 60309-2 compliant devices are ideal for use overseas where voltage and amperage requirements differ from North American standards, but where rigorous performance, quality, and reliability criteria need to be met.
16, 32 and 63 Amp devices have an environmental classification of splashproof (IP44), and 125 Amp devices are classified as watertight (IP67).

Specifications and Features

- Rockwell Automation Encompass™ Product Partner
- Classified to IEC Standards 60309-1 and 60309-2
- CE Marking per low-voltage directives 73/23/EEC, 93/68/EEC



SP516P6



SP516C6



SP516R6



SP516B6

ORDERING INFORMATION*

Amps	Wiring	Voltage AC	Connector/ Receptacle	Plug/ Inlet	Plug	Connector	Receptacle	Inlet
16	2p3w	100 – 130			SP316P4	SP316C4	SP316R4	SP316B4
	2p3w	250			SP316P6	SP316C6	SP316R6	SP316B6
	3p4w	380 – 415			SP416P6	SP416C6	SP416R6	SP416B6
	4p5w	200/346 – 240/415			SP516P6	SP516C6	SP516R6	SP516B6
32	2p3w	100 – 130			SP332P4	SP332C4	SP332R4	SP332B4
	2p3w	250			SP332P6	SP332C6	SP332R6	SP332B6
	3p4w	380 – 415			SP432P6	SP432C6	SP432R6	SP432B6
	3p4w	3Ø380 – 3Ø440			432P3WL†	432C3WL†	—	—
	4p5w	200/346 – 240/415			SP532P6	SP532C6	SP532R6	SP532B6
63	2p3w	250			SP363P6	SP363C6	SP363R6	SP363B6
	3p4w	380 – 415			SP463P6	SP463C6	SP463R6	SP463B6
	4p5w	200/346 – 240/415			SP563P6	SP563C6	SP563R6	SP563B6
125	2p3w	250			3125P6W	3125C6W	3125R6W	3125B6W
	3p4w	380 – 415			4125P6W	4125C6W	4125R6W	4125B6W
	4p5w	200/346 – 240/415			5125P6W	5125C6W	5125R6W	5125B6W

*Consult the factory for availability before placing your order. These are specialty order items and are not regularly stocked.
†This device has North American 30 Amp construction and is used in refrigerated container applications.

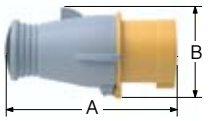
MATERIAL SPECIFICATIONS

Description	Part	Material For 16A, 32A	Material For 63A, 125A
Inlets	Housing	Nylon	Valox® 357
	Mounting Flange	Nylon	—
	Locking Ring (125A)	—	Valox 357
	Contact Carrier	Nylon	Reinforced Nylon
	Terminal Screws	Brass	Stainless Steel (125A)
	Phase, Ground Pins	Brass	Brass (63A), Stainless Steel (125A)
Connectors	Housing	Nylon	Valox 357
	Cover	Nylon	Valox 357
	Arm Spring	Stainless Steel	Stainless Steel
	Contact Carrier	Nylon	Reinforced Nylon
	Internal Cord Clamp	Nylon	Nylon
	External Cord Clamp	—	Valox 357
	Grommet	EPDM Rubber	EPDM Rubber (63A), Chloroprene Onion Skin (125A)
	Sealing Gasket (125A)	—	Solid Chloroprene
	Cover Eyelet	Nickel Plated Brass	Nickel Plated Brass
	External Screws	—	Acid-Proof Stainless Steel
	Terminal Screws	Brass	Brass (63A), Stainless Steel (125A)
	Phase, Ground Sleeve	Brass	Brass
	Sleeve Spring	Stainless Steel	Stainless Steel
	Internal Screws	Zinc-Plated Steel	Zinc-Plated Steel
Plugs	Housing	Nylon	Valox 357
	Contact Carrier	Nylon	Reinforced Nylon
	Internal Cord Clamp	Nylon	Nylon
	External Cord Clamp	—	Valox 357
	Grommet	EPDM Rubber	EPDM Rubber (63A), Chloroprene Rubber (125A)
	Sealing Gasket (125A)	—	Solid Chloroprene
	External Screws	—	Acid-Proof Stainless Steel
	Terminal Screws	Brass	Brass (63A), Stainless Steel (125A)
	Phase, Ground Pins	Brass	Brass
	Sleeve Spring	Stainless Steel	Stainless Steel
	Internal Screws	Zinc-Plated Steel	Zinc-Plated Steel
Receptacles	Housing	Nylon	Valox 357
	Cover	Nylon	Valox 357
	Mounting Flange	Nylon	—
	Arm Spring	-	Stainless Steel
	Contact Carrier	Nylon	Reinforced Nylon
	Sealing Gasket (125A)	-	Solid Chloroprene
	Cover Eyelet	Nickel Plated Brass	Nickel Plated Brass
	Terminal Screws	Brass	Brass (63A), Stainless Steel (125A)
	Phase, Ground Sleeve	Brass	Brass
	Sleeve Spring	Stainless Steel	Stainless Steel

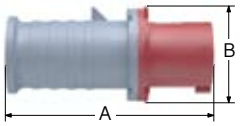
Valox® is a registered trademark of GE.

PLUG DIMENSIONS

Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip Range	Cord Grip Range
		A	B	A	B	Dia. (Inches)	Dia. (mm)
SP316P	16	4.53	2.48	115	63	.350 -.860	9 - 22
SP416P	16	5.51	2.83	140	72	.350 -.860	9 - 22
SP516P	16	5.51	2.99	140	76	.437 -1.187	11 - 30
SP332P	32	6.14	3.27	156	83	.437 -1.187	11 - 30
SP432P	32	6.14	3.27	156	83	.437 -1.187	11 - 30
SP532P	32	6.14	3.46	156	88	.437 -1.450	11 - 37
SP363P	63	8.46	4.06	215	103	.670 -1.625	17 - 41
SP463P	63	8.46	4.06	215	103	.670 -1.625	17 - 41
SP563P	63	8.46	4.06	215	103	.670 -1.625	17 - 41



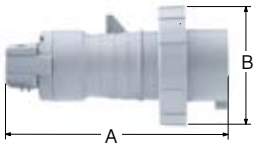
16A, 32A PLUG



63A PLUG

PLUG DIMENSIONS

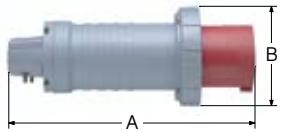
Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip Range	Cord Grip Range
		A	B	A	B	Dia. (Inches)	Dia. (mm)
432P3WL	32	5.79	3.70	147	94	.437 -1.450	11 - 37
3125P	125	12.32	5.12	313	130	.950 - 1.875	24 - 48
4125P	125	12.32	5.12	313	130	.950 - 1.875	24 - 48
5125P	125	12.32	5.12	313	130	.950 - 1.875	24 - 48



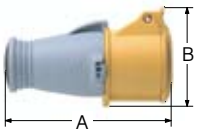
432P3WL

CONNECTOR DIMENSIONS

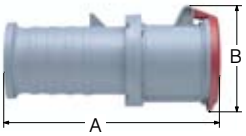
Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip Range	Cord Grip Range
		A	B	A	B	Dia. (Inches)	Dia. (mm)
SP316C	16	4.88	2.95	124	75	.350 -.860	9 - 22
SP416C	16	5.91	3.45	150	85	.350 -.860	9 - 22
SP516C	16	5.98	3.50	152	89	.437 -1.187	11 - 30
SP332C	32	6.73	3.66	171	93	.437 -1.187	11 - 30
SP432C	32	6.73	3.66	171	93	.437 -1.187	11 - 30
SP532C	32	6.73	3.89	171	99	.437 -1.450	11 - 37
SP363C	63	8.82	4.41	224	112	.670 -1.625	17 - 41
SP463C	63	8.82	4.41	224	112	.670 -1.625	17 - 41
SP563C	63	8.82	4.41	224	112	.670 -1.625	17 - 41



125A PLUG

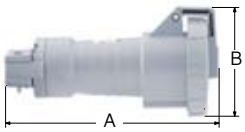


16A, 32A CONNECTOR



63A CONNECTOR

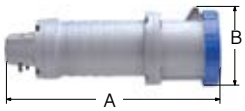
CONNECTOR DIMENSIONS



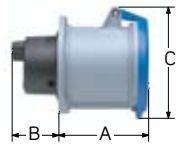
432C3WL

Cat. No.	Amps	Unit (inches)		Unit (mm)		Cord Grip Range	Cord Grip Range
		A	B	A	B	Dia. (Inches)	Dia. (mm)
432C3WL	32	6.97	4.02	177	102	.437 -1.187	11 - 30
3125CW	125	12.80	4.80	325	122	.950 - 1.875	28 - 48
4125CW	125	12.80	4.80	325	122	.950 - 1.875	28 - 48
5125CW	125	12.80	4.80	325	122	.950 - 1.875	28 - 48

RECEPTACLE DIMENSIONS



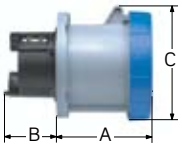
125A CONNECTOR



63A RECEPTACLE

Cat. No.	Amps	Unit (inches)			Unit (mm)		
		A	B	C	A	B	C
SP316R	16	2.20	1.14	2.87	56	29	73
SP416R	16	2.28	1.18	3.43	58	30	87
SP516R	16	2.36	1.22	3.50	60	31	89
SP332R	32	2.76	1.34	3.66	70	34	93
SP432R	32	2.76	1.34	3.66	70	34	93
SP532R	32	2.76	1.34	3.90	71	34	99
SP363R	63	3.43	1.89	4.41	87	48	112
SP463R	63	3.43	1.89	4.41	87	48	112
SP563R	63	3.43	1.89	4.41	87	48	112

RECEPTACLE DIMENSIONS



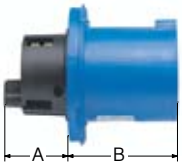
125A RECEPTACLE

Cat. No.	Amps	Unit (inches)			Unit (mm)		
		A	B	C	A	B	C
3125R	125	3.94	2.28	4.80	100	58	122
4125R	125	3.94	2.28	4.80	100	58	122
5125R	125	3.94	2.28	4.80	100	58	122

INLET DIMENSIONS



16A, 32A INLET

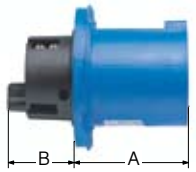


63A INLET

Cat. No.	Amps	Unit (inches)		Unit (mm)	
		A	B	A	B
SP316B	16	.85	1.83	21.5	46.5
SP416B	16	.83	1.85	21	47
SP516B	16	.83	1.83	21	46.5
SP332B	32	.95	2.19	24.5	55.5
SP432B	32	.95	2.19	24.5	55.5
SP532B	32	.98	2.19	25	55.5
SP363B	63	1.97	3.0	50	78
SP463B	63	1.97	3.0	50	78
SP563B	63	1.97	3.0	50	78

INLET DIMENSIONS

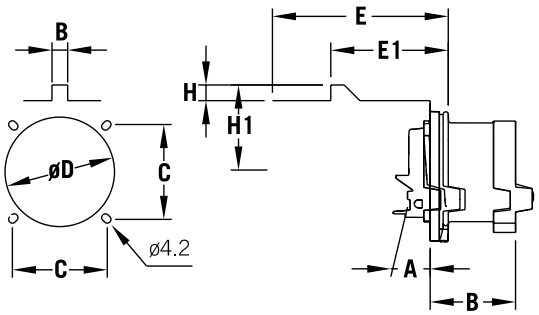
Cat. No.	Amps	Unit (inches)		Unit (mm)	
		A	B	A	B
3125B6W	125	3.50	2.21	89	56
4125B6W	125	3.50	2.21	89	56
5125B6W	125	3.50	2.21	89	56

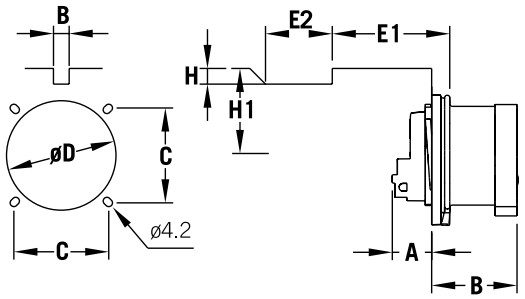


125A INLET

INLET PANEL MOUNTING DIMENSIONS

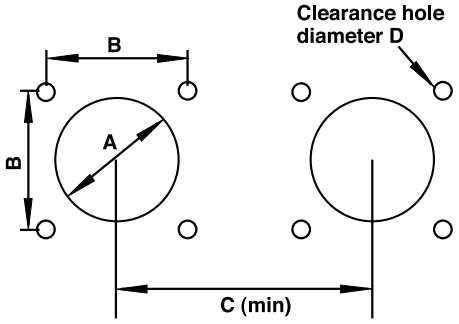
Device Size	Unit	C	D	E	E1	E2	G	H	H1
SP316B	inches	1.73-1.85	1.93	2.95	1.59	0.31	0.35	0.16	1.18
	mm	44-47	49	75	40.5	8	9	4	30
SP416B	inches	1.97-2.05	2.32	3.15	1.83	0.31	0.35	0.2	1.34
	mm	50-52	59	80	46.5	8	9	5	34
SP516B	inches	1.97-2.05	2.32	3.54	2.07	0.31	0.35	0.27	1.5
	mm	50-52	59	90	52.5	8	9	7	38
SP332B	inches	2.36-2.40	2.6	3.54	2.11	0.31	0.35	0.27	1.57
	mm	60-61	66	90	53.5	8	9	7	40
SP432B	inches	2.36-2.40	2.6	3.54	2.11	0.31	0.35	0.27	1.57
	mm	60-61	66	90	53.5	8	9	7	40
SP532B	inches	2.36-2.40	2.6	4.13	2.34	0.35	0.35	0.31	1.77
	mm	60-61	66	105	59.5	9	9	8	45
SP363B	inches	2.40	2.76	4.13	2.32	0.39	0.43	0.35	1.95
	mm	61	70	105	59	10	11	9	49.5
SP463B	inches	2.40	2.76	4.13	2.32	0.39	0.43	0.35	1.95
	mm	61	70	105	59	10	11	9	49.5
SP563B	inches	2.40	2.76	4.13	2.32	0.39	0.43	0.35	1.95
	mm	61	70	105	59	10	11	9	49.5





DRILLING PLAN (INLETS & RECEPTACLES)

Device Size		A		B		C (min)		D	
		inches	mm	inches	mm	inches	mm	inches	mm
16A; 3-wire:	Receptacle	1.93	49	1.73	44	3.35	85	.185	4.7
	Inlet	1.93	49	1.73	44	3.35	85	.185	4.7
16A; 4-wire:	Receptacle	2.32	59	2.05	52	3.94	100	.185	4.7
	Inlet	2.32	59	2.05	52	3.94	100	.185	4.7
16A; 5-wire:	Receptacle	2.32	59	2.05	52	3.94	100	.185	4.7
	Inlet	2.32	59	2.05	52	3.94	100	.185	4.7
32A; 3-wire:	Receptacle	2.60	66	2.40	61	4.53	115	.185	4.7
	Inlet	2.60	66	2.40	61	4.53	115	.185	4.7
32A; 4-wire:	Receptacle	2.60	66	2.40	61	4.53	115	.185	4.7
	Inlet	2.60	66	2.40	61	4.53	115	.185	4.7
32A; 5-wire:	Receptacle	2.60	66	2.40	61	4.53	115	.185	4.7
	Inlet	2.60	66	2.40	61	4.53	115	.185	4.7
63A	All	2.76	70	2.40	61	6.69	170	.185	4.7
125A	All	3.47	88	2.80	71	7.87	200	.280	7.1



VALOX® BACK BOXES FOR WATERTIGHT INLETS & RECEPTACLES

Application	Hub Size Used	Cat. No.
20 & 30 Amp No Adapter Plate Required	1 inch	BX230-V
60 Amp Adapter Plate Included	$1^1/_2$"	BX60-V
100 Amp Adapter Plate Included	2"	BX100-V

* Hub not included.



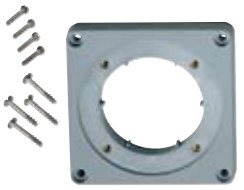
BX-230V



BX-100V
(Same Geometery as BX60-V)

REPLACEMENT VALOX® ADAPTER PLATES FOR LEVITON & HUBBELL BACK BOXES

Application	Cat. No.
60 Amp Watertight Inlets & Receptacles	AP60
100 Amp Watertight Inlets & Receptacles	AP100



AP60

DIMENSIONS FOR VALOX ADAPTER PLATES

Description	Unit	A	B	C	D	E	F	R
60 Amp	inch	2.78	3.86	4.50	3.88	.40	.20	1.28
	mm	70	98	114	98.5	10	5	32.5
100 Amp	inch	3.23	4.88	5.50	4.60	.40	.22	1.50
	mm	82	124	140	117	10	5.5	38

Valox® is a registered trademark of GE.

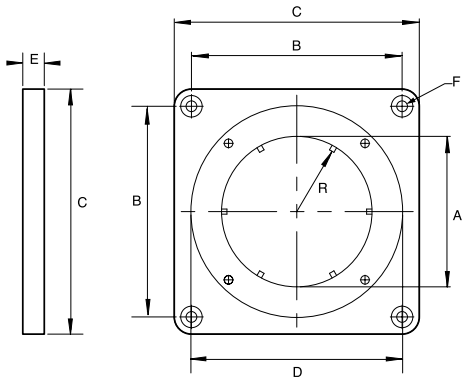


AP100

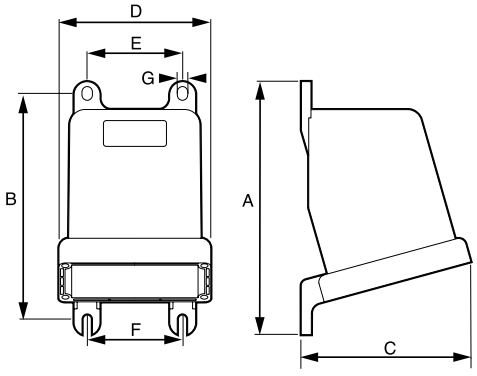
DIMENSIONS FOR VALOX BACK BOXES

Description	Unit	A	B	C	D	E	F	G
20 Amp & 30 Amp	inch	6.69	5.91	4.53	3.90	2.35	2.35	0.25
	mm	170.0	150.0	115.0	99.0	60.0	60.0	6.5
60 Amp	inch	7.68	6.92	5.20	4.65	2.99	2.99	0.31
	mm	195.0	176.0	132.0	118.0	76.0	76.0	8.0
100 Amp	inch	8.23	7.39	6.30	5.71	3.99	3.33	0.33
	mm	209.0	188.0	160.0	145.0	101.0	84.5	8.5

Valox® is a registered trademark of GE.



ADAPTER PLATES



BACK BOXES



HUB-200 FRONT



HUB-200 BACK

Watertight Hubs With Insulated Throat

Conduit hubs of die-cast zinc provide a positive ground with insulated throats to prevent wire abrasion. Embedded O-ring ensures a watertight seal

WATERTIGHT HUBS WITH INSULATED THROAT FOR ALL DISCONNECTS, MECHANICAL INTERLOCKS AND BACK BOXES

Description	Size	Cat. No.
Die-cast zinc conduit hubs w/ insulated throat & embedded O-ring	3/4"	HUB-034
	1"	HUB-100
	1 1/4"	HUB-114
	1 1/2"	HUB-112
	2"	HUB-200

PROTECTIVE CLOSURE CAPS FOR PLUGS AND INLETS

Application North American	Application International	Cat. No. Watertight
20 Amp, 3-Wire	16 Amp, 3-Wire	PC320
20 Amp, 4-Wire	16 Amp, 4-Wire	PC420
20 Amp, 5-Wire	16 Amp, 5-Wire	PC520
30 Amp, 3-, 4-Wire	32 Amp, 3-, 4-Wire	PC3430
30 Amp, 5-Wire	32 Amp, 5-Wire	PC530
All 60 Amp	All 63 Amp	PC60
All 100 Amp	All 125 Amp	PC100



PC420 PC60 PC100

LOCKOUT/TAGOUT FOR PIN AND SLEEVE DEVICES

Application	Cat. No. Watertight & Splashproof
Can be used for any IEC 60309-1 and 60309-2 pin and sleeve plugs or inlets	PLG1



PLG1



In Use With PLUG



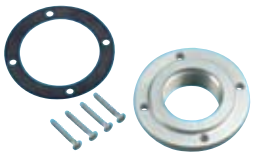
In Use With INLET

LIQUID-TIGHT ADAPTERS FOR PLUGS AND CONNECTORS

Application	NPT Size	Cat. No. Adapter	Cat. No. Straight Male Fitting
20 Amp, 3 - 4 Wire	1/2" NPT	SAA12	L7902
20 Amp, 5 Wire	1/2" NPT	SAB12	L7902
30 Amp, 3 - 4 Wire	3/4" NPT	SAB34	L7903
30 Amp, 5 Wire	3/4" NPT	SAC34	L7903
30 Amp, 5 Wire	1" NPT	SAC100	L7904
60 Amp, All	1 1/4" NPT	SAC125	L7905
100 Amp, All	1 1/4" NPT	SAD125	L7905



L7902 STRAIGHT MALE LIQUID-TIGHT GRIP For use with flexible metal conduit.



SAD125

REPLACEMENT WATERTIGHT CLOSURE COVER KIT FOR CONNECTORS AND RECEPTACLES

Application	Cat. No.
20 Amp, 3 Wire	CA320
20 Amp, 4 Wire	CA420
20 Amp, 5 Wire	CA520
30 Amp, 3 - 4 Wire	CA343
30 Amp, 5 Wire	CA530
All 60 Amp	CA060
All 100 Amp	CA100



CA520 CA100

REPLACEMENT WATERTIGHT LOCKING RING FOR PLUGS AND INLETS

Application	Cat. No.
20 Amp, 3-wire	RA320
20 Amp, 4-wire	RA420
20 Amp, 5-wire	RA520
30 Amp, 3-, 4-wire	RA343
30 Amp, 5-wire	RA530
All 60 Amp	RA060
All 100 Amp	RA100



RA420 RA100

REPLACEMENT GROMMETS FOR PLUGS AND CONNECTORS

Application	Cat. No.
20A, 3 - 4 Wire	GROMT-020
20A, 5 Wire 30A; 3 - 4 Wire	GROMT-023
30A, 5 Wire	GROMT-030
All 60A	GROMT-060
All 100A	GROMT-100

REPLACEMENT MOUNTING FEET

Application	Cat. No.
For all Disconnects and Mechanical Interlocks. Includes 4 feet and 4 mounting screws	Mount-KT2



Mount-KT2

Making the Right Connection is as Easy as Matching Colors and Telling Time!

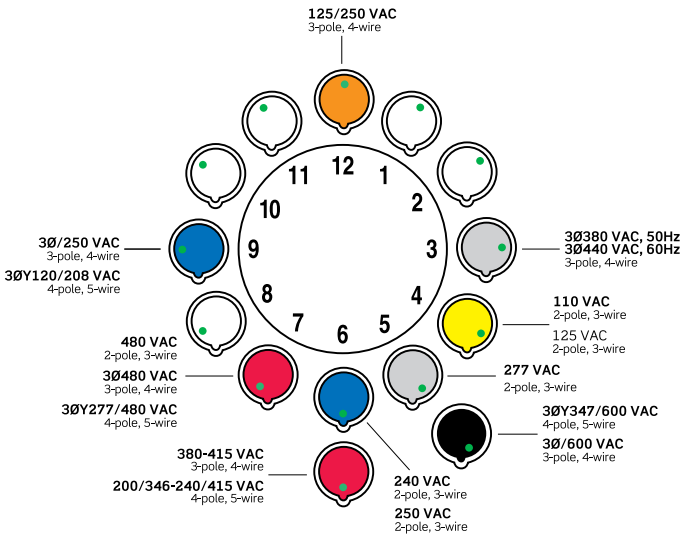
Leviton's pin and sleeve devices are easy to use. Matching amperage and voltage requirements is literally as easy as matching colors and telling time. The amperage rating is related to the size of the device; devices of the same amperage are the same size. The voltage rating is related to the location of the ground sleeve on the female device and the number of conductors. This location is based on a clock face with the key-way at the 6 o'clock position. The ground sleeve is positioned at a specific hour location, depending on the device's voltage rating.

The clock position for plugs and inlets is a mirror image of the position for matching connectors and receptacles. For quick visual identification, voltage ratings are also color-coded and the housings of interconnecting units are always the same color. All 125VAC devices are yellow; 250VAC are blue, etc. Matching up interconnecting devices is as easy as matching colors.

NORTH AMERICAN

Green Dot •
Represents the Ground Sleeve
of Female Devices
(Connectors & Receptacles)

Rated Voltage	Color
110V-130V	
125V-250V	
200V-250V	
277V, 380V, 440V	
346V-480V	
500V and above	



Catalog Numbering System

Leviton's catalog numbering system is easy to use. Each letter or number provides a description of the product. Simply follow the six-part code below, made up of letters and numbers. Each catalog number contains the number of conductors, amperage rating, device type, clock position of the ground sleeve, and environmental rating.
For example, the catalog number below refers to a 3-wire, 20 amp receptacle with a grounding sleeve located at the 6 o'clock position and an environmental classification of watertight.

	3	20	R	6	W
Prefix	**1st digit**	**2nd–4th digit**	**Letter**	**Grounding**	**Suffix**
SP SP= Splashproof	3 = 3 wire 4 = 4 wire 5 = 5 wire	16 = 16 Amp 20 = 20 Amp 30 = 30 Amp 32 = 32 Amp 60 = 60 Amp 63 = 63 Amp 100 = 100 Amp 125 = 125 Amp	P = Plug C = Connector R = Receptacle B = Inlet MI = Mechanical Interlock MF = Mechanical Interlock Fused AX = Disconnect Switch Non-Fused FAX = Disconnect Switch Fused	Clock position of female grounding contact	W = Watertight
DS DS= Disconnect Switch	Not Used for Disconnects			Not Used for Disconnects	Not Used for Disconnects



Portable Outlet Boxes

INDEX

Industrial Grade

Introduction 456
Single Gang 458
Two Gang 459

Industrial Grade

Portable Outlet Boxes

Leviton's line of temporary power solutions now includes industrial grade portable outlet boxes. For applications ranging from industrial and processing plants to construction and maintenance to entertainment and theater, these durable boxes will help to deliver the power you need, where you need it. Constructed of high-performance TPV, these boxes maintain their integrity in most any temperature, are extremely resistant to harsh chemicals and exhibit excellent strength and resistance to fatigue. They are available in single and two-gang sizes, both feed-thru and pendant style. Plus, you can choose either high-visibility yellow (for most industrial and commercial applications) or black (for entertainment applications).



Available in pendant and feed-thru styles

Molded Santoprene™ TPV housing is extremely durable, even in harsh conditions

Non-metallic construction provides protection against electrical shock



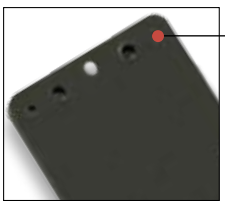
Strain relief accepts cable diameters from .230" - 1.00"

Heavy-duty stainless steel spring-loaded flip lids provide NEMA Type 3R protection (when not in use)

Variable adjust strain relief provides superior protection throughout entire range of cable diameters

Available in black or high-visibility yellow

A wide array of cover options is available, including standard and weather-resistant versions



Optional mounting holes provide a more secure fit

Santoprene™ is a registered trademark of Exxon Mobile Corporation.

Industrial Grade


3059-1E


3059F-1E


3059F-2E


3099F-1E


3099F-2E

PORTABLE OUTLET BOXES — SINGLE GANG

Description	Cable Diameter	Cat. No. Black	Cat. No. Yellow	Dimensions A	B	C
Standard Depth, Pendant Style**	0.230" – 0.546"	3059-01E	3059-01Y	3.375"	3.900"	2.250"
Standard Depth, Feed-Thru Style**	0.230" – 0.546"	3059F-01E	3059F-01Y	3.375"	3.900"	2.250"
Standard Depth, Pendant Style**	0.590" – 1.000"	3059-02E	3059-02Y	3.375"	3.900"	2.250"
Standard Depth, Feed-Thru Style**	0.590" – 1.000"	3059F-02E	3059F-02Y	3.375"	3.900"	2.250"
Extra Deep, Pendant Style	0.230" – 0.546"	3099-01E	3099-01Y	4.375"	3.900"	2.250"
Extra Deep, Feed-Thru Style	0.230" – 0.546"	3099F-01E	3099F-01Y	4.375"	3.900"	2.250"
Extra Deep, Pendant Style	0.590" – 1.000"	3099-02E	3099-02Y	4.375"	3.900"	2.250"
Extra Deep, Feed-Thru Style	0.590" – 1.000"	3099F-02E	3099F-01Y	4.375"	3.900"	2.250"

**GFCI devices not compatible (must use extra deep version).


3054-E


3051-E


3056-E


3060-E


3061-E


3052-E


3057-E


3055-E


3058-E

COVERPLATES— SINGLE GANG

Description	Cat. No. Black	Cat. No. Yellow
Blank	3054-E	3054-Y
Duplex	3051-E	3051-Y
Duplex with weather-resistant flip lid*	3056-E	3056-Y
GFCI	3060-E	3060-Y
GFCI with weather-resistant flip lid*†	3061-E	3061-Y
1.39" diameter	3052-E	3052-Y
1.39" diameter with weather-resistant flip lid*	3057-E	3057-Y
1.56" diameter	3055-E	3055-Y
1.56" diameter with weather-resistant flip lid*	3058-E	3058-Y

*NEMA Type 3R Rated.
† Tamper Resistant GFCI Devices not compatible.



3200-02Y


3300-02Y

OUTLET BOXES — 2-GANG

Description	Cable Diameter	Cat. No. Black	Cat. No. Yellow	Dimensions A	B	C	D
Standard Depth, Pendant Style	0.590" – 1.000"	3200-02E	3200-02Y	5.100"	5.655"	4.655"	—
Standard Depth, Feed-Thru Style	0.590" – 1.000"	3200F-02E	3200F-02Y	5.100"	5.655"	4.655"	—
Angled Depth, Pendant Style	0.590" – 1.000"	3300-02E	3300-02Y	4.300"	5.655"	4.655"	3.200"


3265-Y


3260-Y


3260W-Y


3251-Y


3251W-Y


3241-Y


3241W-Y


3262-Y


3262W-Y


3261-Y


3261W-Y


3263-Y


3263W-Y

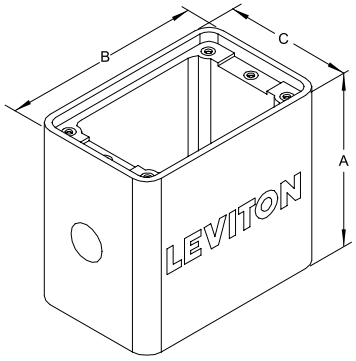
COVERPLATES - ORDERING INFORMATION

Description	Cat. No. Black	Cat. No. Yellow
Blank	3265-E	3265-Y
2 - Duplex	3260-E	3260-Y
2 - Duplex with weather-resistant flip lid*	3260W-E	3260W-Y
2 - GFCI	3251-E	3251-Y
2 - GFCI with weather-resistant flip lid*=	3251W-E	3251W-Y
1 – GFCI, 1-Blank	3241-E	3241-Y
1 – GFCI with weather-resistant flip lid, 1 - Blank*=	3241W-E	3241W-Y
1 - 1.56" dia, 1 - Duplex	3262-E	3262-Y
1 - 1.56" dia with weather-resistant flip lid*, 1 – Duplex with weather-resistant flip lid*	3262W-E	3262W-Y
1.56" dia, 1 - Blank	3261-E	3261-Y
1.56" dia with weather-resistant flip lid, 1 - Blank*	3261W-E	3261W-Y
2 – 1.56" dia	3263-E	3263-Y
2 – 1.56" dia with weather-resistant flip lid*	3263W-E	3263W-Y

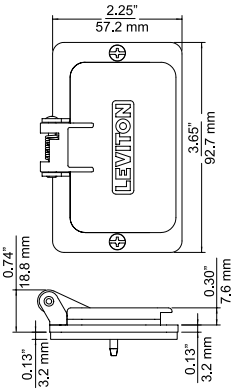
*NEMA Type 3R Rated.
=Tamper Resistant GFCI Devices may not be compatible — consult factory for details.

DIMENSIONS

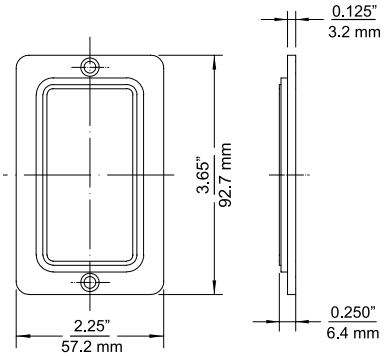
Single Gang



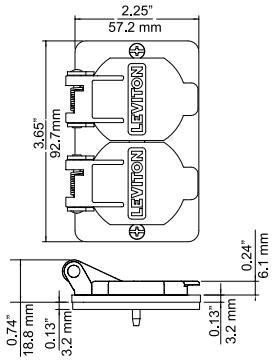
SINGLE GANG BOX



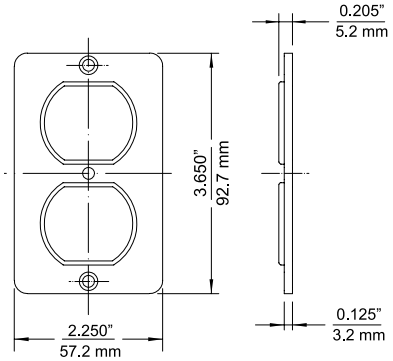
SINGLE GANG GFCI COVER



SINGLE GANG GFCI PLATE

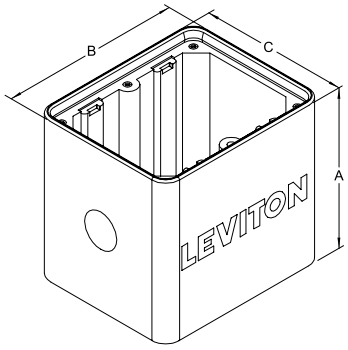


SINGLE GANG COVER

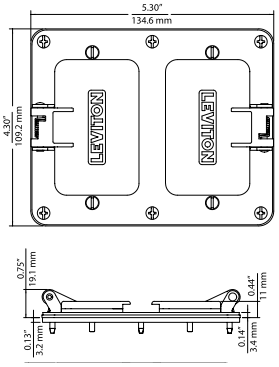


SINGLE GANG DUPLEX COVER
TYPICAL FOR RECEPTACLE PLATES

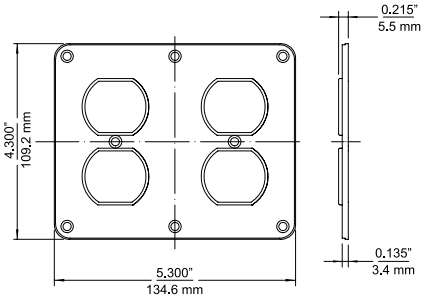
Two Gang



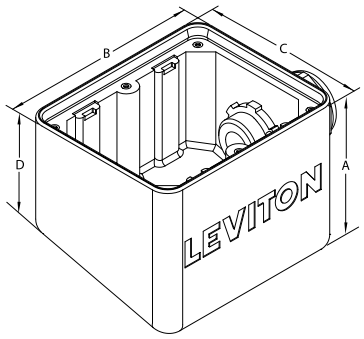
TWO GANG COVER



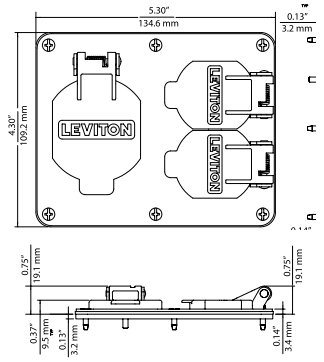
2G DECORA COVER



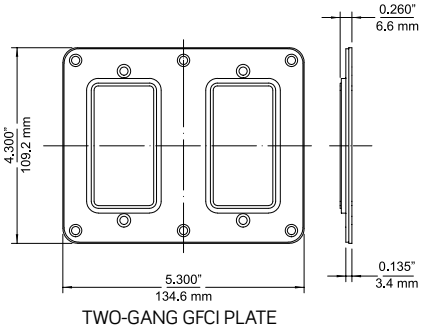
TWO-GANG DUPLEX PLATE
TYPICAL FOR RECEPTACLE PLATES



ANGLE BOX



2G COMBO COVER
RECEPTACLE AND DUPLEX



TWO-GANG GFCI PLATE



Power Distribution

INDEX

Commercial Grade

FLX Series 463
Switched Series 464
Metered Series 465
P1000 Series 466
5500 & 5505 Series 467
4500 Series 468

Commercial Grade

Rack Mount Power Distribution Units (PDUs)

Servers, storage and networking equipment can only perform as well as the power that drives it. Provide robust, reliable power to rack and cabinet applications with Leviton Power Distribution Units (PDUs). For the ultimate in flexibility, select your own feature set with the new make-to-order FLX Series. Or choose from a wide variety of horizontal and vertical models in switched, metered or unmetered configurations, with and without surge protection.



Smart Meter Technology



Flexible Mounting Options

Specifications and Features

FLX Series
- 5,000+ customized configurations delivered in days avaiable in Monitored, Enhanced Metered, and Metered and Connected Versions.

Switched Series
- Remote management allows control and reboot of each outlet via a network connection

Metered Series
- Current meter allows local monitoring of amperage to prevent current overload

P1000 Series
- Robust power distribution for data centers, server rooms, and other “always on” environments

5500/5505 Series
- Surge-protected power distribution for rack-mounted equipment

4500 Series
- Flexible and economical solution to power essential electronic equipment

FLX Series PDUs

Choose Leviton's FLX Series PDUs to meet your power needs in any application. All orders are custom-built to your specifications, and with more than 5,000 possible configurations, you're sure to find the ideal combination of features. The 70" PDUs mount vertically in racks or cabinets, and feature data center quality construction and componentry.

Specifications and Features

- NEW! Monitored PDUs include network monitoring capabilities, SNMP alerts, power trending information, and environmental data
- NEW! Enhanced Metered PDUs allow monitoring with serial connection to Monitored PDUs
- Most configurations typically ship within three days
- 3-year limited product warranty

NEW! Network Monitoring

- Remote monitoring over standard Ethernet connection
- Built-in web interface for ease of management
- Integrated memory allows for onboard storage of historical data
- Monitor four PDUs with three Enhanced Metered and one (master) Monitored PDU
- Integrated ports allow up to two temperature/humidity probes per PDU

Smart Meter Technology™

- NEW! Enhanced Metered models connect to master Monitored PDU for cost-effective monitoring
- Displays amps, volts and watts
- Amperage and wattage accuracy: +/- 2%
- Voltage accuracy: +/- 1%
- Auto scrolling feature on 3-Phase units to show readings per load bank
- Gravity sensor detects PDU orientation and auto-inverts display

Data Center Ready

- 18-gauge cold-rolled steel construction
- UL489 and dual-pole circuit breakers used when applicable
- DP-rated cords on 208V units
- Grounding stud allows easy and reliable grounding
- Labeling kit included for outlet and circuit labeling

Input Flexibility

- 120V, 208V, or 208V 3-Phase (WYE or Delta)
- 20, 30, 50, or 60 amp configurations
- Cord lengths from 3 to 15 feet
- 120V units available with locking or non-locking plugs

Output Flexibility

- Outlet types include: IEC C13 and C19; NEMA 5-20R and L6-20R
- 3-Phase units available with 120V or 208V output or a combination of both

Mounting Flexibility

- Standard and button mounting hardware included
- Cable management available for securing cords and improving aesthetics
- Optional adjustable rack-mounting bracket (PDUK-BKT) available for open-frame racks



Build your own! leviton.com/configurator

Configure your FLX Series PDU at www.leviton.com/configurator

Switched Series PDUs



A B

Specifications and Features

- Remote individual outlet control allows shut down of unused outlets and remote rebooting of attached equipment
- Full featured network management provided via Web, SNMP, and Telnet allows remote access, configuration and management
- Power sequencing minimizes in-rush current and prevents circuit overload
- Provides SNMP alerts when power or environmental conditions exceed thresholds
- Firmware is easily upgraded via network download to installed units for future product enhancements
- External probe available separately for environmental monitoring



C

D

C & D (1.75"L x 17"W x 7"D)



E

SWITCHED SERIES VERTICAL POWER DISTRIBUTION UNITS

Description	Cat. No.	Input Rating	Input	Output Rating	Output
[A] 16 Receptacle w/modular cord*	SV161-1D1	120V 20A	*	120V	5-20R
16 Receptacle w/10 ft. power cord	SV161-1B1	120V 30A	L5-30P	120V	5-20R
[B] 16 Receptacle w/10 ft. power cord	SV162-1C2	208V 30A	L6-30P	208V	C13

* 120V/20A PDUs need a Modular Power cord as shown in the "Accessories" below.

SWITCHED SERIES HORIZONTAL POWER DISTRIBUTION UNITS

Description	Cat. No.	Input Rating	Input	Output Rating	Output
[C] 8 Receptacle w/modular cord*	SH081-1D1	120V 20A	*	120V	5-20R
8 Receptacle w/10 ft. power cord	SH081-1B1	120V 30A	L5-30P	120V	5-20R
[D] 8 Receptacle w/10 ft. power cord	SH082-1C2	208V 30A	L6-30P	208V	C13

* 120V/20A PDUs need a Modular Power cord as shown in the "Accessories" below.

ACCESSORIES

Description	Cat. No.
Modular Power Cord, C19 to 5-15P, 10 ft.	PCORD-G10
Modular Power Cord, C19 to 5-20P, 10 ft	PCORD-A10
Modular Power Cord, C19 to L5-20P, 10 ft	PCORD-H10
[E] Temperature & Relative Humidity Probe, 10 ft.	TCORD-010
Adjustable Mounting Bracket for Vertical PDU	PDURK-BKT

A= (44.4" L X 1.75" W X 2.25" D)
B= (49.5" L X 1.75" W X 2.25" D)

TESTING AND CODE COMPLIANCE

- UL 60950-1 Listed (File#E228302)

Metered Series PDUs

Specifications and Features

- LED display provides visible warning when current draw is close to maximum capacity thus avoiding circuit overload
- True RMS current monitoring prevents overloads in high-density computing environments
- Included mounting hardware allows attachment to most common cabinets and racks
- Available in vertical Zero-U and horizontal rack-mount styles
- Available in 120V and 208V configurations with 20 or 30 amps
- A wide variety of input and output options ensures the flexibility to adapt to varying power requirements



C & D (1.75"L x 17.25"W x 5"D)



E



A B

A (31.25"L x 1.75"W x 2.25"D)

B (31.25"L x 1.75"W x 2.25"D)

METERED SERIES VERTICAL POWER DISTRIBUTION UNITS

Description	Cat. No.	Input Rating	Input	Output Rating	Output
[A] 12 Receptacle w/modular cord*	MV121-1D1	120V 20A	*	120V	5-20R
12 Receptacle w/10 ft. power cord	MV121-1B1	120V 30A	L5-30P	120V	5-20R
24 Receptacle w/Modular cord*	MV241-1D1	120V 20A	*	120V	5-20R
24 Receptacle w/10 ft. power cord	MV241-1B1	120V 30A	L5-30P	120V	5-20R
[B] 12 Receptacle w/10 ft. power cord	MV122-1C2	208V 30A	L6-30P	208V	C13
24 Receptacle w/10 ft. power cord	MV242-1C2	208V 30A	L6-30P	208V	C13
21 Receptacle w/10 ft. power cord	MV213-1E2 (3 Phase)	208V 20A	L21-20P	208V	C13

* 120V/20A PDUs need a Modular Power cord as shown in the "Accessories" below.

METERED SERIES HORIZONTAL POWER DISTRIBUTION UNITS

Description	Cat. No.	Input Rating	Input	Output Rating	Output
[C] 10 Receptacle w/modular cord*	MH101-1D1	120V 20A	*	120V	5-20R
10 Receptacle w/10 ft. power cord	MH101-1B1	120V 30A	L5-30P	120V	5-20R
[D] 12 Receptacle w/10 ft. power cord	MH122-1C2	208V 30A	L6-30P	208V	C13

* 120V/20A PDUs need a Modular Power cord as shown in the "Accessories" below.

ACCESSORIES

Description	Cat. No.
[E] Modular Power Cord, C19 to 5-15P, 10ft.	PCORD-G10
Modular Power Cord, C19 to 5-20P, 10ft.	PCORD-A10
Modular Power Cord, C19 to L5-20P, 10ft.	PCORD-H10
Modular Power Cord, C19 to L5-20P, 15ft.	PCORD-H15
Adjustable Mounting Brackect for Vertical PDU	PDURK-BKT

TESTING AND CODE COMPLIANCE

- UL 60950-1 Listed (#E228302)

P1000 Series PDUs



A (30"L x 1.8"W x 1.75"D)
B (48"L x 1.8"W x 1.75"D)
C (48"L x 2.19"W x 2"D)

Specifications and Features

- All models feature circuit breaker protection to prevent current overloads
- 208V PDUs come with 2-pole circuit breakers for added safety
- Surge protected models prevent damage from transient surges
- LED indicators for power, grounding/polarity, and surge protection where applicable
- Available in 120V or 208V versions with 15-, 20- or 30-amp configurations
- Hardwired power input cord
- 18-gauge cold-rolled steel construction
- Available in vertical Zero-U or horizontal 19" rack-mount styles
- Mounting hardware included. Optional adjustable rack-mounting bracket available



D (17.5" L x 17.5"H x 4.5"D)



E (17.5" L x 1.75"H x 4.5"D)

P1000 SERIES VERTICAL POWER DISTRIBUTION UNITS

	Description	Cat. No.	Rating	Input	Output
	16 Receptacle w/10 ft. power cord	P1040-10S	120V 15A	5-15P	5-15R
[A]	16 Receptacle w/10 ft. power cord	P1041-10S	120V 20A	5-20P	5-20R
	16 Receptacle w/10 ft. power cord	P1042-10L	120V 20A	L5-20P	5-20R
	24 Receptacle w/10 ft. power cord	P1043-10S	120V 20A	5-20P	5-20R
[B]	24 Receptacle w/10 ft. power cord	P1044-10L	120V 20A	L5-20P	5-20R
	24 Receptacle w/10 ft. power cord	P1045-10L	120V 30A	L5-30P	5-20R
	24 Receptacle w/10 ft. power cord	P1046-10L	208V 20A	L6-20P	C13
[C]	24 Receptacle w/10 ft. power cord	P1047-10L	208V 30A	L6-30P	C13

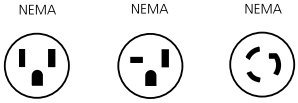
P1000 SERIES HORIZONTAL POWER DISTRIBUTION UNITS

	Description	Cat. No.	Rating	Input	Output
	10 Receptacle w/12 ft. power cord	P1020-12S	120V 15A	5-15P	5-15R
[D]	10 Receptacle w/12 ft. power cord	P1021-12S	120V 20A	5-20P	5-20R
	10 Receptacle w/12 ft. power cord	P1022-12L	120V 20A	L5-20P	5-20R
	16 Receptacle w/12 ft. power cord	P1023-12L	120V 30A	L5-30P	5-20R
[E]	12 Receptacle w/12 ft. power cord	P1024-12L	208V 20A	L6-20P	C13
	16 Receptacle w/12 ft. power cord	P1025-12L	208V 30A	L6-30P	C13

P1070 SERIES VERTICAL POWER DISTRIBUTION UNITS

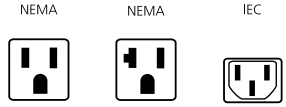
Description	Cat. No.	Rating	Input	Output
10 Receptacle w/12 ft. power cord	P1070-105V	120V 15A	5-15P	5-15R
10 Receptacle w/12 ft. power cord	P1071-105V	120V 20A	5-20P	5-20R
10 Receptacle w/12 ft. power cord	P1072-10L	120V 20A	L5-20P	5-20R
16 Receptacle w/12 ft. power cord	P1073-10S	120V 20A	5-20P	5-20R
12 Receptacle w/12 ft. power cord	P1074-10L	120V 20A	L5-20P	5-20R

INPUT PLUG TYPES



5-15P 120V | 5-20P 120V | L5-20P 120V | L5-30P 120V | L6-20P 208V | L6-30P 208V

OUTPUT RECEPTACLE TYPES



5-15R 120V | 5-20R 120V | C13 208V

TESTING AND CODE COMPLIANCE

- UL 6095-1 listed (#E228302)
- UL 1449 Listed 3rd Edition # E228302 (P1070 Series only)

5500 and 5505 Series PDUs

Specifications and Features

- Resettable circuit breaker to protect against overloading
- 12 receptacles —10 in back, 2 in front
- Available with either straight blade or locking input plug
- Mounts horizontally on 19" racks or cabinets

5500 Series w/Enhanced Surge Protection

- Peak Surge Current: 72kA
- Clamping Voltage: 330V
- EMI/RFI noise filtering: 100kHz to 30MHz, -10dB to -35dB
- Joule rating: 1440
- Physical dimensions: 1.75"H x 19"W x 4.55"D

5505 Series w/Surge Protection

- Peak Surge Current: 27kA
- Clamping Voltage: 400V
- EMI/RFI noise filtering: 100kHz to 30MHz, -5dB to -40dB
- Joule rating: 540
- Physical dimensions: 1.75"H x 19"W x 3"D



A (19" L x 1.75"H x 3"D)



B (19" L x 1.75"H x 4.55"D)

5500/5505 SERIES HORIZONTAL RACK MOUNT POWER DISTRIBUTION UNITS W/SURGE PROTECTION

Description	Cat. No.	Rating
With ON/OFF Switch, NEMA 5-15P St. Blade Plug	5500-190	15A 120V
Without ON/OFF Switch, NEMA 5-15P St. Blade Plug	5500-15N	15A 120V
With ON/OFF Switch, NEMA 5-20P St. Blade Plug	5500-192	20A 120V
[A] Without ON/OFF Switch, NEMA 5-20P St. Blade Plug	5500-20N	20A 120V
With ON/OFF Switch, NEMA L5-20P Locking Plug	5500-20L	20A 120V
Without ON/OFF Switch, NEMA L5-20P Locking Plug	5500-2NL	20A 120V
[B] With ON/OFF Switch, NEMA 5-15P St. Blade Plug	5505-190	15A 120V

INPUT PLUG TYPES

NEMA 5-15P 120V



NEMA 5-20P 120V



NEMA L5-20P 120V



OUTPUT RECEPTACLE TYPES

NEMA 5-15R 120V



NEMA 5-20R 120V



TESTING AND CODE COMPLIANCE

- UL 1363 Recognized, # E118936
- UL 1449 Listed 2nd edition Feb. 2007 # E118936

LEVITON

Commercial Grade

4500 Series PDUs

Leviton's 4500 Series Power Distribution Units (PDUs) provide you with the robust and economical solutions you need to power your vital electronic equipment. The 4500 Series offers flexibility and economy for use in diverse applications.

Specifications and Features

- Resettable circuit breaker provides overload protection
- Available in 15- or 20-amp versions
- 20-amp versions available with either straight blade or locking input plug
- Easy-access ON/OFF rocker switch
- 12 receptacles —10 in back, 2 in front
- Mounts horizontally on 19" racks or cabinets
- Physical dimensions: 1.75"H x 19"W x 3"D



A (19" L x 1.75"H x 3"D)



B (19" L x 1.75"H x 3"D)

4500 SERIES HORIZONTAL RACK MOUNT POWER DISTRIBUTION UNITS

Description	Cat. No.	Rating	Input	Output
12 receptacles w/ 7 ft power cord	4515-07S	120V 15A	5-15P	5-15R
(A) 12 receptacles w/ 10 ft power cord	4515-10S	120V 15A	5-15P	5-15R
12 receptacles w/ 15 ft power cord	4515-15S	120V 15A	5-15P	5-15R
12 receptacles w/ 7 ft power cord	4520-07S	120V 20A	5-20P	5-20R
(B) 12 receptacles w/ 10 ft power cord	4520-10S	120V 20A	5-20P	5-20R
12 receptacles w/ 15 ft power cord	4520-15S	120V 20A	5-20P	5-20R
12 receptacles w/ 7 ft power cord	4520-07L*	120V 20A	L5-20P	5-20R
12 receptacles w/ 10 ft power cord	4520-10L*	120V 20A	L5-20P	5-20R
12 receptacles w/ 15 ft power cord	4520-15L*	120V 20A	L5-20P	5-20R

* = 4520-07L (formerly 4505-20L), 4520-10L (formerly 4505-20T), 4520-15L formerly (4505-20F).

INPUT PLUG TYPES

NEMA 5-15P 120V



NEMA 5-20P 120V



NEMA L5-20P 120V



OUTPUT RECEPTACLE TYPES

NEMA 5-15R 120V



NEMA 5-20R 120V



TESTING AND CODE COMPLIANCE

- UL 1363 recognized (#E118936).
- UL 6095-1 listed (#E228302).



Single Pole Devices

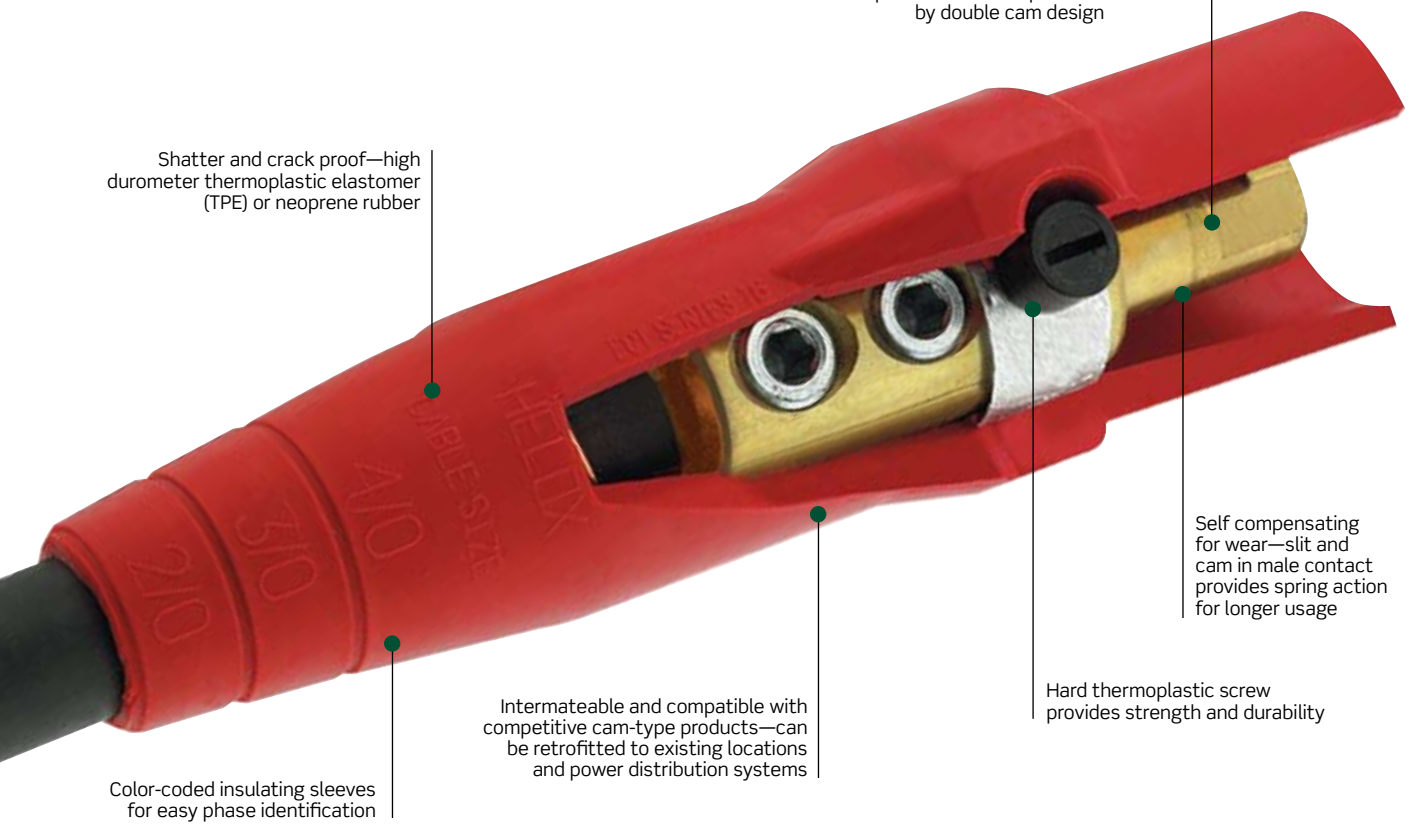
INDEX

Industrial Grade

Cam-Type 15 Series 471
Cam-Type 16 & 18 Series 474
Cam-Type 17 & 19 Series 497
Cam-Type 22 & 23 Series 504
Accessories 512
Rhino-Hide® 514

Industrial Grade

Cam-Type Connectors



CAM-TYPE CONNECTORS

Connector Type	Component	Description	Standards and Certifications (NEMA, UL, CSA)
15, 16, 18 Series Connectors	Sleeve*	Santoprene™	See individual pages throughout this section
	Contact	Brass	for specific Standards and
	Strain Relief	Copper Wire	Certifications information
17, 19, 22/23 Series Connectors	Sleeve**	Neoprene™	See individual pages throughout this section
	Contact	Brass	for specific Standards and
	Strain Relief	Copper Wire	Certifications information

*"X" Series Neoprene™
**22L22/25-S Series Santoprene™

Cam-Type Connectors — 15 Series

Specifications and Features
The 15 Series Taper Nose mini-cam plugs, receptacles and connectors are tough and reliable. Primary applications include carnivals and theme parks, as well as the entertainment industry.

CAM-TYPE CONNECTORS (UP TO 140A*, 600V)

15 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Plug Set Screw (Cable Size: #8 - #4)	White	15D21-W	15D21-C	15SDM-48W
	Black	15D21-E	15D21-C	15SDM-48E
	Brown	15D21-H	15D21-C	15SDM-48H*
	Red	15D21-R	15D21-C	15SDM-48R
	Blue	15D21-B	15D21-C	15SDM-48B*
	Orange	15D21-O	15D21-C	15SDM-48O*
	Green	15D21-G	15D21-C	15SDM-48G*
	Yellow	15D21-Y	15D21-C	15SDM-48Y*
Female Plug Set Screw (Cable Size: #8 - #4)	White	15D22-W	15D22-C	15SDF-48W
	Black	15D22-E	15D22-C	15SDF-48E
	Brown	15D22-H	15D22-C	15SDF-48H*
	Red	15D22-R	15D22-C	15SDF-48R
	Blue	15D22-B	15D22-C	15SDF-48B*
	Orange	15D22-O	15D22-C	15SDF-48O*
	Green	15D22-G	15D22-C	15SDF-48G*
	Yellow	15D22-Y	15D22-C	15SDF-48Y*

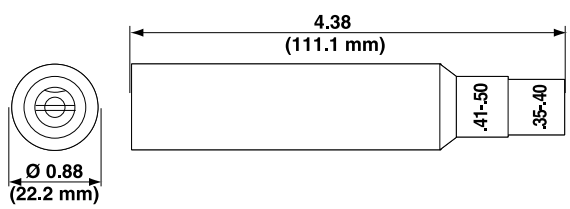
* Contact factory for availability.


15D22-Y

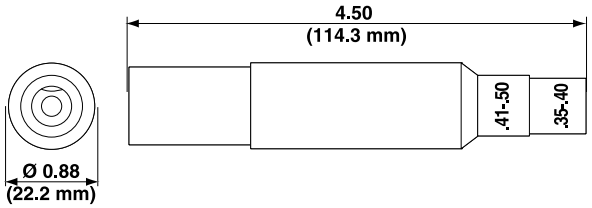

15SDM-48G

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Plug – Set Screw



Female Plug – Set Screw

CAM-TYPE CONNECTORS (UP TO 140A*, 600V)

15 Series, Taper Nose



15D23-B



15D24-E

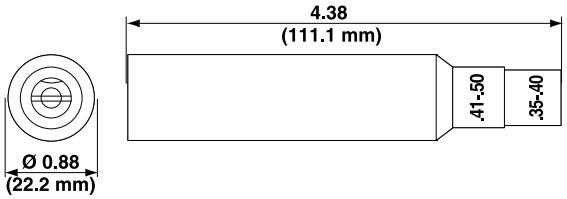
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Plug - Crimped (Cable Size: #8 - #4)	White	15D23-W	15D23-C	15SDM-48W
	Black	15D23-E	15D23-C	15SDM-48E
	Brown	—	15D23-C	15SDM-48H*
	Red	15D23-R	15D23-C	15SDM-48R
	Blue	15D23-B	15D23-C	15SDM-48B*
	Orange	—	15D23-C	15SDM-48O*
	Green	15D23-G	15D23-C	15SDM-48G*
	Yellow	—	15D23-C	15SDM-48Y*
Female Plug - Crimped (Cable Size: #8 - #4)	White	15D24-W	15D24-C	15SDF-48W
	Black	15D24-E	15D24-C	15SDF-48E
	Brown	—	15D24-C	15SDF-48H*
	Red	15D24-R	15D24-C	15SDF-48R
	Blue	15D24-B	15D24-C	15SDF-48B*
	Orange	—	15D24-C	15SDF-48O*
	Green	15D24-G	15D24-C	15SDF-48G*
	Yellow	—	15D24-C	15SDF-48Y*

* Contact factory for availability.

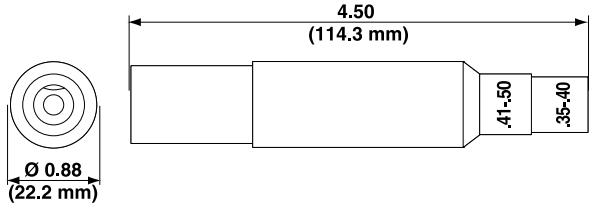
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Plug – Set Screw



Female Plug – Set Screw

CAM-TYPE CONNECTORS (UP TO 140A*, 600V)

15 Series, Taper Nose

Description	Color	Cat. No. Male	Cat. No. Female
Panel Receptacle - Threaded Stud (Cable Size: #8-#4)	White	15R21-W	15R22-W
	Black	15R21-E	15R22-E
	Brown	15R21-H	15R22-H
	Red	15R21-R	15R22-R
	Blue	15R21-B	15R22-B
	Orange	15R21-O	15R22-O
	Green	15R21-G	15R22-G
	Yellow	15R21-Y*	15R22-Y
Protective Caps	White	—	15P22-W
	Black	15P21-E	15P22-E

* Contact factory for availability.



15R21-H



15P21-E

THREE-WAY "T" CONNECTORS

Description	Color	Cat. No. Paralleling T Female-Male-Male	Cat. No. Tapping T Female-Female-Male	Cat. No. Double Female Female-Female
Three-Way "T" Connector	White	15A21-W*	15A22-W	15A23-W*
	Black	15A21-E	15A22-E	15A23-E
	Red	15A21-R*	15A22-R	15A23-R*
	Blue	15A21-B*	15A22-B	15A23-B*
	Green	15A21-G	15A22-G	15A23-G*

* Contact factory for availability.

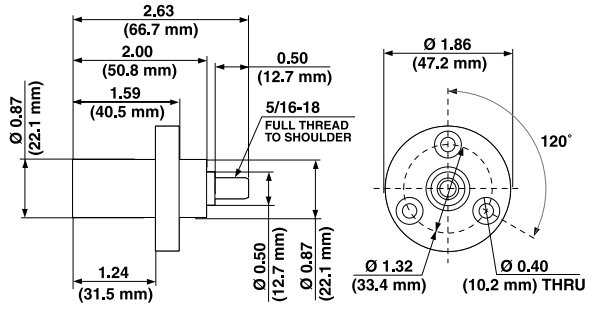


15A21-G

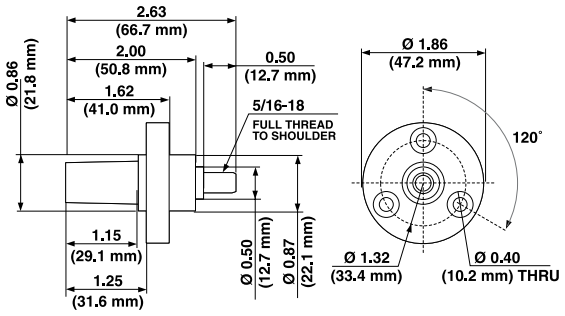
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Panel Receptacle Threaded Stud



Female Panel Receptacle Threaded Stud

Cam-Type Connectors — 16 Series

Specifications and Features
The 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie-making, television production, sporting events and conventions.



16D21-O



16D29-G

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

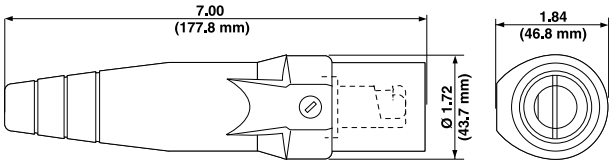
16 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Single Set Screw (Cable Size: 2-2/0)	White	16D21-W	16D21-C*	16SDM-22W
	Black	16D21-E	16D21-C*	16SDM-22E
	Brown	16D21-H	16D21-C*	16SDM-22H*
	Red	16D21-R	16D21-C*	16SDM-22R
	Blue	16D21-B	16D21-C*	16SDM-22B
	Orange	16D21-O	16D21-C*	16SDM-22O*
	Green	16D21-G	16D21-C*	16SDM-22G
	Yellow	16D21-Y	16D21-C*	16SDM-22Y*
Female Detachable Plug - Single Set Screw (Cable Size: 2-2/0)	White	16D29-W	16D29-C*	16SDF-22W
	Black	16D29-E	16D29-C*	16SDF-22E
	Brown	16D29-H	16D29-C*	16SDF-22H
	Red	16D29-R	16D29-C*	16SDF-22R
	Blue	16D29-B	16D29-C*	16SDF-22B
	Orange	16D29-O	16D29-C*	16SDF-22O*
	Green	16D29-G	16D29-C*	16SDF-22G
	Yellow	16D29-Y	16D29-C*	16SDF-22Y*

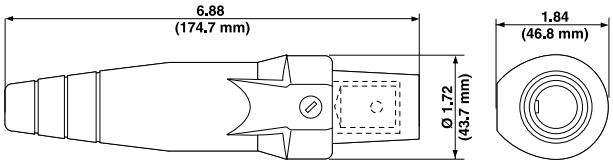
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- NEMA 3R-Rated (rainproof) for use outdoors
- Only Double Set Screw Version UL/CSA

DIMENSIONS



Male Detachable Plug – Single Set Screw



Female Detachable Plug – Single Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Single Set Screw (Cable Size: 1/0-4/0)	White	16D23-W	16D23-C*	16SDM-14W
	Black	16D23-E	16D23-C*	16SDM-14E
	Brown	16D23-H	16D23-C*	16SDM-14H*
	Red	16D23-R	16D23-C*	16SDM-14R
	Blue	16D23-B	16D23-C*	16SDM-14B
	Orange	16D23-O	16D23-C*	16SDM-14O
	Green	16D23-G	16D23-C*	16SDM-14G
	Yellow	16D23-Y	16D23-C*	16SDM-14Y
Female Detachable Plug - Single Set Screw (Cable Size: 1/0-4/0)	White	16D32-W	16D32-C*	16SDF-14W
	Black	16D32-E	16D32-C*	16SDF-14E
	Brown	16D32-H	16D32-C*	16SDF-14H*
	Red	16D32-R	16D32-C*	16SDF-14R
	Blue	16D32-B	16D32-C*	16SDF-14B
	Orange	16D32-O	16D32-C*	16SDF-14O*
	Green	16D32-G	16D32-C*	16SDF-14G
	Yellow	16D32-Y	16D32-C*	16SDF-14Y*

* Contact factory for availability.



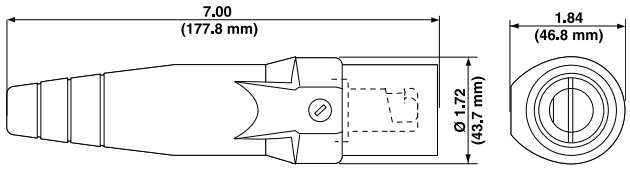
16D23-B



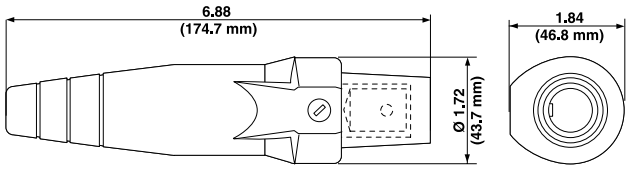
16D32-W

TESTING AND CODE COMPLIANCE
- NEMA 3R-Rated (rainproof) for use outdoors
- Only Double Set Screw Version UL/CSA

DIMENSIONS



Male Detachable Plug – Single Set Screw



Female Detachable Plug – Single Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



16D22-E



16D31-O

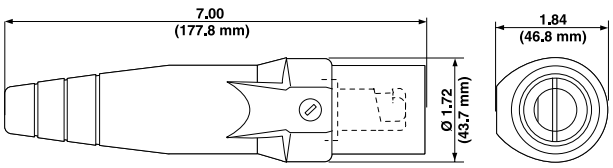
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: #2-2/0)	White	16D22-W	16D22-C	16SDM-22W
	Black	16D22-E	16D22-C	16SDM-22E
	Brown	16D22-H	16D22-C	16SDM-22H*
	Red	16D22-R	16D22-C	16SDM-22R
	Blue	16D22-B	16D22-C	16SDM-22B
	Orange	16D22-O	16D22-C	16SDM-22O*
	Green	16D22-G	16D22-C	16SDM-22G
	Yellow	16D22-Y	16D22-C	16SDM-22Y*
Female Detachable Plug - Double Set Screw (Cable Size: #2-2/0)	White	16D31-W	16D31-C	16SDF-22W
	Black	16D31-E	16D31-C	16SDF-22E
	Brown	16D31-H	16D31-C	16SDF-22H*
	Red	16D31-R	16D31-C	16SDF-22R
	Blue	16D31-B	16D31-C	16SDF-22B
	Orange	16D31-O	16D31-C	16SDF-22O*
	Green	16D31-G	16D31-C	16SDF-22G
	Yellow	16D31-Y	16D31-C	16SDF-22Y*

* Contact factory for availability.

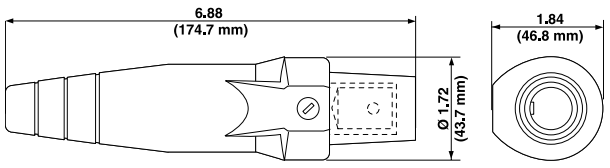
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 1/0-4/0)	White	16D24-W	16D24-C	16SDM-14W*
	Grey	16D24-GY	16D24-C	16SDM-14GY*
	Black	16D24-E	16D24-C	16SDM-14E*
	Brown	16D24-H	16D24-C	16SDM-14H*
	Red	16D24-R	16D24-C	16SDM-14R*
	Blue	16D24-B	16D24-C	16SDM-14B*
	Orange	16D24-O	16D24-C	16SDM-14O*
	Green	16D24-G	16D24-C	16SDM-14G*
	Yellow	16D24-Y	16D24-C	16SDM-14Y*
Female Detachable Plug - Double Set Screw (Cable Size: 1/0-4/0)	White	16D33-W	16D33-C*	16SDF-14W*
	Grey	16D33-GY	16D33-C*	—
	Black	16D33-E	16D33-C*	16SDF-14E
	Brown	16D33-H	16D33-C*	16SDF-14H*
	Red	16D33-R	16D33-C*	16SDF-14R
	Blue	16D33-B	16D33-C*	16SDF-14B*
	Orange	16D33-O	16D33-C*	16SDF-14O*
	Green	16D33-G	16D33-C*	16SDF-14G*
	Yellow	16D33-Y	16D33-C*	16SDF-14Y*



16D24-E

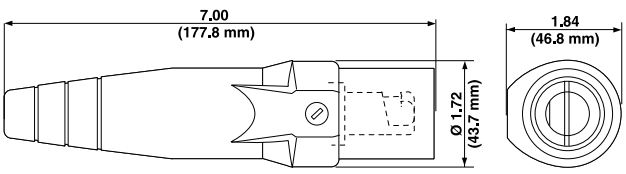


16D33-R

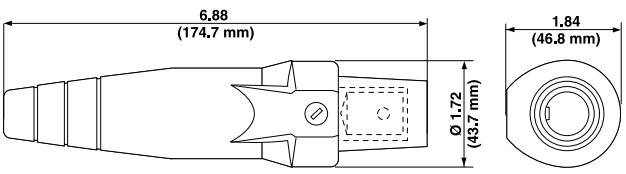
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



16D25-R



16D34-B

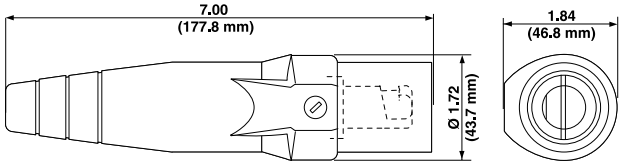
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Crimped (Cable Size: #2-#1)	White	16D25-W	16D25-C*	16SDM-22W
	Black	16D25-E	16D25-C*	16SDM-22E
	Brown	16D25-H*	16D25-C*	16SDM-22H*
	Red	16D25-R	16D25-C*	16SDM-22R
	Blue	16D25-B*	16D25-C*	16SDM-22B
	Orange	16D25-O*	16D25-C*	16SDM-22O*
	Green	16D25-G	16D25-C*	16SDM-22G
	Yellow	16D25-Y*	16D25-C*	16SDM-22Y*
Female Detachable Plug - Crimped (Cable Size: #2-#1)	White	16D34-W	16D34-C*	16SDF-22W
	Black	16D34-E	16D34-C*	16SDF-22E
	Brown	16D34-H*	16D34-C*	16SDF-22H*
	Red	16D34-R	16D34-C*	16SDF-22R
	Blue	16D34-B*	16D34-C*	16SDF-22B
	Orange	16D34-O*	16D34-C*	16SDF-22O*
	Green	16D34-G	16D34-C*	16SDF-22G*
	Yellow	16D34-Y*	16D34-C*	16SDF-22Y*

* Contact factory for availability.

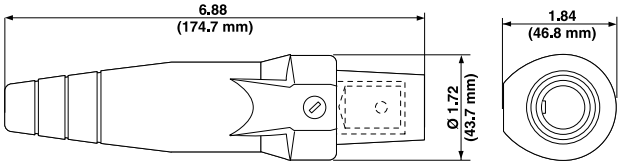
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Detachable Plug – Crimped



Female Detachable Plug – Crimped

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Crimped (Cable Size: 1/0-2/0)	White	16D26-W*	16D26-C*	16SDM-22W
	Black	16D26-E	16D26-C*	16SDM-22E
	Brown	16D26-H*	16D26-C*	16SDM-22H*
	Red	16D26-R*	16D26-C*	16SDM-22R
	Blue	16D26-B*	16D26-C*	16SDM-22B
	Orange	16D26-O*	16D26-C*	16SDM-22O*
	Green	16D26-G	16D26-C*	16SDM-22G
	Yellow	16D26-Y*	16D26-C*	16SDM-22Y*
Female Detachable Plug - Crimped (Cable Size: 1/0-2/0)	White	16D35-W*	16D35-C*	16SDF-22W
	Black	16D35-E	16D35-C*	16SDF-22E
	Brown	16D35-H*	16D35-C*	16SDF-22H*
	Red	16D35-R*	16D35-C*	16SDF-22R
	Blue	16D35-B*	16D35-C*	16SDF-22B
	Orange	16D35-O*	16D35-C*	16SDF-22O*
	Green	16D35-G	16D35-C*	16SDF-22G
	Yellow	16D35-Y*	16D35-C*	16SDF-22Y*



16D26-G

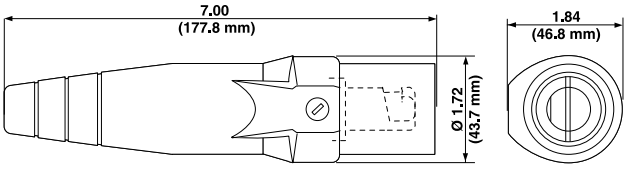


16D35-Y

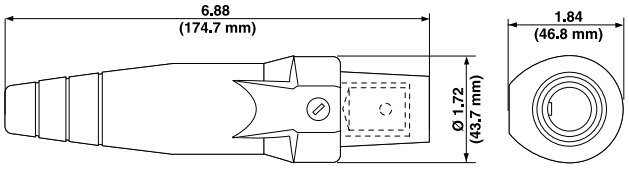
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- NEMA 3R-Rated for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Detachable Plug – Crimped



Female Detachable Plug – Crimped

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



16D28-W



16D37-H

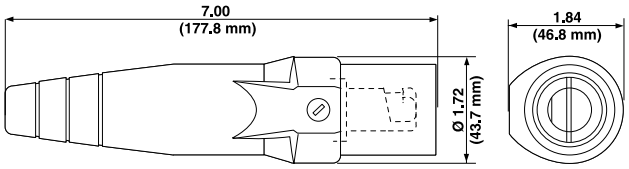
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Crimped (Cable Size: 3/0-4/0)	White	16D28-W	16D28-C	16SDM-14W
	Black	16D28-E	16D28-C	16SDM-14E
	Brown	16D28-H	16D28-C	16SDM-14H*
	Red	16D28-R	16D28-C	16SDM-14R
	Blue	16D28-B	16D28-C	16SDM-14B
	Orange	16D28-O	16D28-C	16SDM-14O
	Green	16D28-G	16D28-C	16SDM-14G
	Yellow	16D28-Y	16D28-C	16SDM-14Y
Female Detachable Plug - Crimped (Cable Size: 3/0-4/0)	White	16D37-W	16D37-C	16SDF-14W
	Black	16D37-E	16D37-C	16SDF-14E
	Brown	16D37-H	16D37-C	16SDF-14H*
	Red	16D37-R	16D37-C	16SDF-14R
	Blue	16D37-B	16D37-C	16SDF-14B
	Orange	16D37-O	16D37-C	16SDF-14O*
	Green	16D37-G	16D37-C	16SDF-14G*
	Yellow	16D37-Y	16D37-C	16SDF-14Y*

* Contact factory for availability.

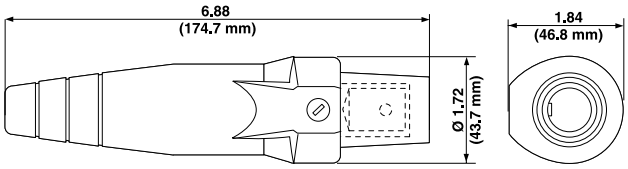
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Detachable Plug – Crimped



Female Detachable Plug – Crimped

PROTECTIVE CAPS AND COVERS

16 Series

Description	Color	Cat. No. Male	Cat. No. Female
Protective Caps	White	16P21-W	16P22-W
	Black	16P21-E	16P22-E
	Brown	16P21-H	16P22-H
	Red	16P21-R	16P22-R
	Blue	16P21-B	16P22-B
	Orange	16P21-O	16P22-O
	Green	16P21-G	16P22-G
	Yellow	16P21-Y	16P22-Y
Snap Back Covers - for Male and Female Panel Receptacles	White	16S21-W	—
	Black	16S21-E	—
	Brown	16S21-H	—
	Red	16S21-R	—
	Blue	16S21-B	—
	Orange	16S21-O	—
	Green	16S21-G	—
	Yellow	16S21-Y	—

* Contact factory for availability.



16S21-O



16P22-E

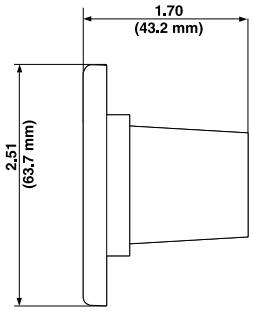


16S21 Mounted on 16R24-14R

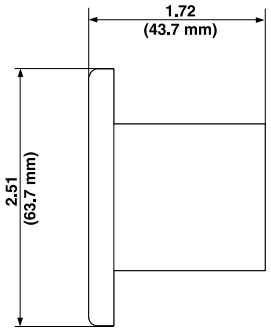
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated for use outdoors
- CSA Certified (File #152105)

DIMENSIONS



Male Protective Cap



Female Protective Cap

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



16V22-B



16V26-R

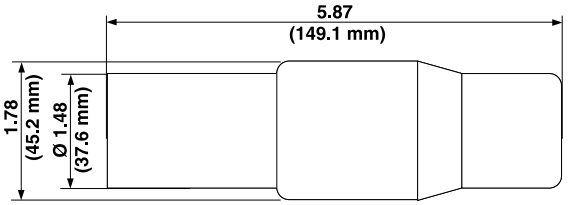
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Vulcanized Plug - Crimped (Cable Size: 1/0-2/0)	White	16V22-W*	—	—
	Black	16V22-E	—	—
	Brown	16V22-H*	—	—
	Red	16V22-R	—	—
	Blue	16V22-B	—	—
	Orange	16V22-O*	—	—
	Green	16V22-G	—	—
	Yellow	16V22-Y*	—	—
Female Vulcanized Plug - Crimped (Cable Size: 1/0-2/0)	White	16V26-W	—	—
	Black	16V26-E	—	—
	Brown	16V26-H*	—	—
	Red	16V26-R	—	—
	Blue	16V26-B	—	—
	Orange	16V26-O*	—	—
	Green	16V26-G*	—	—
	Yellow	16V26-Y*	—	—

* Contact factory for availability.

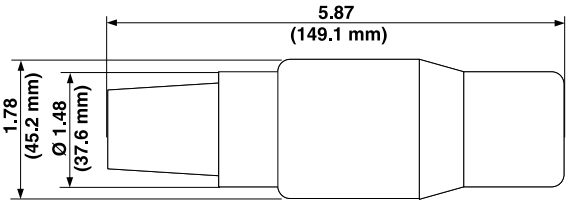
TESTING AND CODE COMPLIANCE

- NEMA 3R-Rated (rainproof) for use outdoors

DIMENSIONS



Male Vulcanized Plug – Crimped



Female Vulcanized Plug – Crimped

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Vulcanized Plug - Crimped (Cable Size: 3/0-4/0)	White	16V24-W	16V24-C*	—
	Black	16V24-E	16V24-C*	—
	Brown	16V24-H*	16V24-C*	—
	Red	16V24-R	16V24-C*	—
	Blue	16V24-B	16V24-C*	—
	Orange	16V24-O	16V24-C*	—
	Green	16V24-G	16V24-C*	—
	Yellow	16V24-Y*	16V24-C*	—
Female Vulcanized Plug - Crimped (Cable Size: 3/0-4/0)	White	16V28-W	—	—
	Black	16V28-E	—	—
	Brown	16V28-H*	—	—
	Red	16V28-R	—	—
	Blue	16V28-B	—	—
	Orange	16V28-O*	—	—
	Green	16V28-G	—	—
	Yellow	16V28-Y*	—	—



16V24-Y

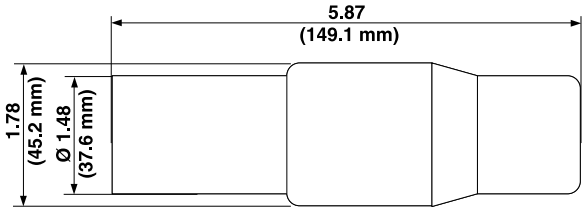


16V28-E

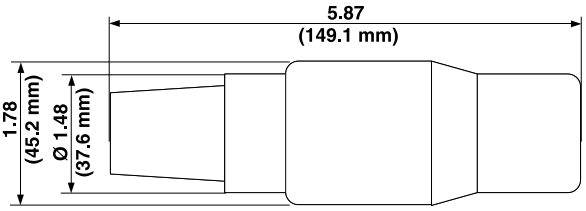
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- NEMA 3R-Rated (rainproof) for use outdoors

DIMENSIONS



Male Vulcanized Plug – Crimped



Female Vulcanized Plug – Crimped

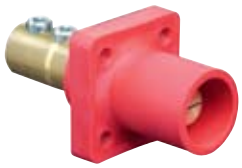
CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



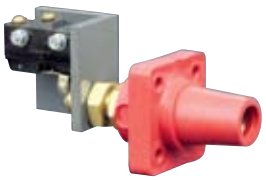
16F21-B

Description	Color	Cat. No. Angle Style	Cat. No. Offset Style
Female Terminal Connector (Cable Size: #2-4/0)	White	16F21-W	16F22-W
	Black	16F21-E	16F22-E
	Brown	16F21-H	16F22-H
	Red	16F21-R	16F22-R
	Blue	16F21-B	16F22-B
	Orange	16F21-O	16F22-O
	Green	16F21-G	16F22-G
	Yellow	16F21-Y	16F22-Y



16R21-R

Description	Color	Cat. No. Double Set Screw Style (Cable Size: 1/0-4/0) Male	Female	Cat. No. Threaded Stud Style (Cable Size: #2-4/0) Male	Female	Female w/ Micro Switch
Panel Receptacles	White	16R21-W	16R22-W	16R23-W	16R24-W	16RSW-W
	Black	16R21-E	16R22-E	16R23-E	16R24-E	16RSW-E
	Brown	16R21-H	16R22-H	16R23-H	16R24-H	—
	Red	16R21-R	16R22-R	16R23-R	16R24-R	16RSW-R
	Blue	16R21-B	16R22-B	16R23-B	16R24-B	16RSW-B
	Orange	16R21-O	16R22-O	16R23-O	16R24-O	—
	Green	16R21-G	16R22-G	16R23-G	16R24-G	16RSW-G
	Yellow	16R21-Y	16R22-Y	16R23-Y	16R24-Y	—



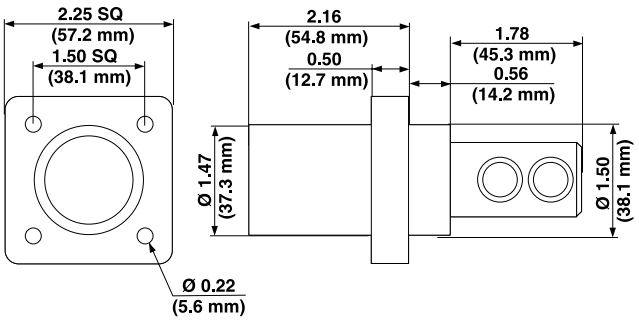
16RSW-R

Description	Color	Cat. No. (Cable Size: #2-4/0) with Half Round Tapped Terminal Male	Female	Cat. No. Threaded Stud Style (Cable Size: #2-4/0) with Self-Clinching PEM Nuts-Mounting Plate Male***	Female***
Panel Mount Receptacles	White	16R19-W	16R20-W	16R25-W	16R26-W
	Black	16R19-E	16R20-E	16R25-E	16R26-E
	Brown	—	—	16R25-H	16R26-H
	Red	16R19-R	16R20-R	16R25-R	16R26-R
	Blue	16R19-B	16R20-B	16R25-B	16R26-B
	Orange	—	—	16R25-O	16R26-O
	Green	16R19-G	16R20-G	16R25-G	16R26-G
	Yellow	—	—	16R25-Y	16R26-Y

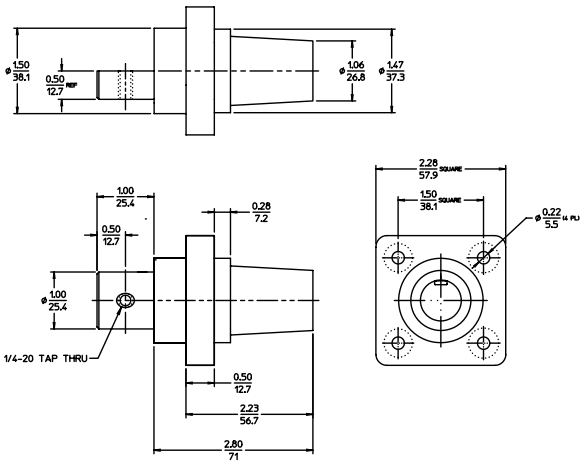
* Contact factory for availability.
**Threaded stud panel receptacles available in various lengths: Standard stud length is 3/4" – 1" stud length specify – 10 suffix; 1.125" stud length specify – 11 suffix; 1.25" stud length specify – 12 suffix; 1.50" stud length specify – 14 suffix; 2.00" stud length specify – 20 suffix (16R24 only). Other stud lengths available.
†A 16 Series Single Pole Male Panel Receptacle with Taper Nose w/threaded stud 1.5" is available in orange: order catalog 16R23-14O
***1 1/8" Threaded Stud, for other lengths contact factory.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E-13399), Panel Receptacles only
- NEMA 3R-Rated for use outdoors
- CSA Certified (File #152105)

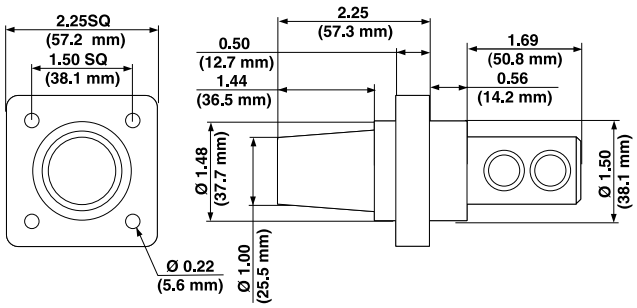
DIMENSIONS



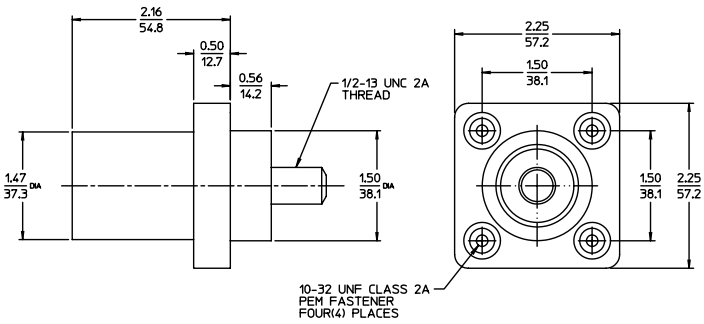
Male Double Set Screw Panel Receptacle



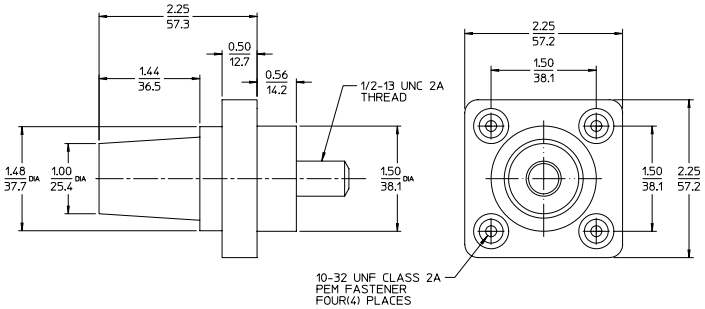
16R20 Female Panel Receptacle Buss Bar Version



Female Double Set Screw Panel Receptacle



16R25 Male Panel Receptacle with PEM Nuts



16R26 Female Panel Receptacle with PEM Nuts

Industrial Grade

16 Series 45° Angle Single-Pole Cam-Type Panel Receptacles

Leviton's 45° Angle Single-Pole Panel Receptacles are designed to provide superior service and durability, even under the most severe operating conditions. Featuring solid brass contacts and Santoprene™ TPV insulators, these devices are ideal for use in equipment associated with concerts, sound stages, movie-making, television production and many other power distribution applications. The unique 45° angle is perfect for applications where cables protruding 90° from the panel is impractical. These Leviton 16 Series Single-Pole Panel Receptacles and accessories are UL/CSA Listed and are completely interoperable and interchangeable with any competitive cam-type plugs and receptacles.

Specifications and Features

- Male and Female Receptacles
- Double Set Screw or Threaded Stud Termination
- Self compensating for wear (male receptacle)
- Color-coded insulators for easy phase identification



16R27-G



16R28-R



16R29-E



16R30-E

45° ANGLE CAM-TYPE PANEL RECEPTACLES

16 Series, Taper Nose

Description	Color	Cat. No. Double Set Screw Style (Cable Size: 1/0-4/0)		Cat. No. Threaded Stud Style (Cable Size: #2-4/0)	
		Male	Female	Male	Female
45° Panel Receptacles	White	16R27-W	16R28-W	16R29-W	16R30-W
	Black	16R27-E	16R28-E	16R29-E	16R30-E
	Red	16R27-R	16R28-R	16R29-R	16R30-R
	Blue	16R27-B	16R28-B	16R29-B	16R30-B
	Green	16R27-G	16R28-G	16R29-G	16R30-G

* Contact factory for availability.
**Threaded stud panel receptacles available in various lengths: Standard stud length is 3/4" – 1" stud length specify – 10 suffix; 1.125" stud length specify – 11 suffix; 1.25" stud length specify – 12 suffix; 1.50" stud length specify – 14 suffix; 2.00" stud length specify – 20 suffix. Other stud lengths available.
†A 16 Series Single Pole Male 45° Panel Receptacle with Taper Nose w/threaded stud 1.5" is available in red: order catalog 16R29-R.

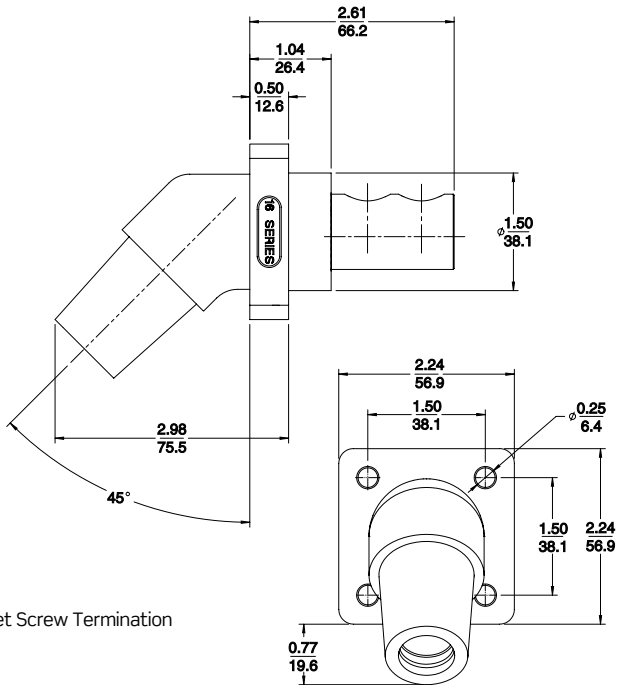
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

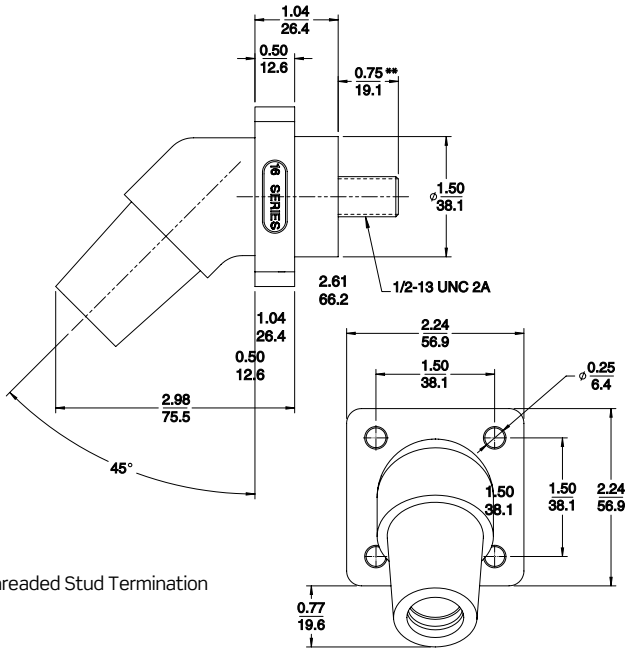
MATERIAL

- Insulator: Santoprene™ TPV
- Contact: Solid Brass

DIMENSIONS



Set Screw Termination



Threaded Stud Termination

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

16 Series, Taper Nose



16A21-G



16A23-E



16A24-W

Description	Color	Cat. No. Paralleling Tee Female-Male-Male	Cat. No. Tapping Tee Female-Female-Male
Multi-Way Connectors	White	16A21-W	16A22-W
	Black	16A21-E	16A22-E
	Brown	16A21-H*	16A22-H*
	Red	16A21-R	16A22-R
	Blue	16A21-B	16A22-B
	Orange	16A21-O	16A22-O
	Green	16A21-G	16A22-G
	Yellow	16A21-Y	16A22-Y*

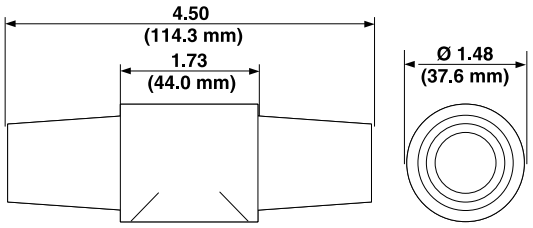
Description	Color	Cat. No. 3-Fer Male-Fem.-Fem.-Fem.	Cat. No. Reversed 3-Fer Fem.-Male-Male-Male	Cat. No. Dbl. Female Fem.-Fem.	Cat. No. Dbl. Male Male-Male
Multi-Way Connectors	White	16A23-W	16A26-W	16A24-W	16A25-W
	Black	16A23-E	16A26-E	16A24-E	16A25-E
	Brown	16A23-H*	—	16A24-H	16A25-H
	Red	16A23-R	—	16A24-R	16A25-R
	Blue	16A23-B	—	16A24-B	16A25-B
	Orange	16A23-O*	—	16A24-O	16A25-O
	Green	16A23-G	16A26-G	16A24-G	16A25-G
	Yellow	16A23-Y	16A26-Y	16A24-Y	16A25-Y*

* Contact factory for availability.

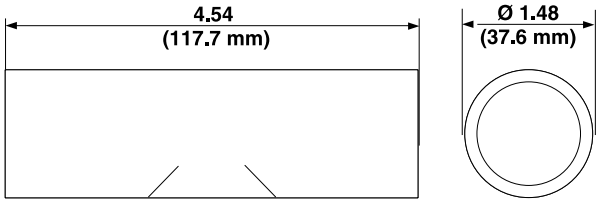
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E151429)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified File #152105

DIMENSIONS



Multi-way Connector – Female to Female



Multi-way Connector – Male to Male

16 Series Single-Pole Cam-Type Adapter Cable Assemblies

Leviton's 16 Series Single-Pole Cam-Type Device line has been expanded to include a variety of assembled adapters. These cable assemblies, or "Soft Adapters", feature the most common adapter configurations. The entire line of Leviton 16 Series Single-Pole Cam-Type Adapter Cable Assemblies are UL/CSA Listed and completely interoperable and interchangeable with any competitive cam-type plugs and receptacles.

Specifications and Features

- 4/0 Cable provides up to 400A/600V capacity
- "Lay flat" design provides for safe cable routing
- Color-coded insulators for easy phase identification

CAM-TYPE ADAPTER CABLE ASSEMBLIES

16 Series, Taper Nose

Description	Color	Cat. No. (Cable Size: 4/0) Paralleling Tee	Cat. No. (Cable Size: 4/0) Tapping Tee	Cat. No. (Cable Size: 4/0) 3-Fer	Cat. No. (Cable Size: 4/0) Reverse 3-Fer
"Soft" Cable	White	16A31-W	16A32-W	16A33-W	16A36-W
	Black	16A31-E	16A32-E	16A33-E	16A36-E
	Brown	16A31-H*	16A32-H	16A33-H	16A36-H
	Red	16A31-R	16A32-R	16A33-R	16A36-R
	Blue	16A31-B	16A32-B	16A33-B	16A36-B
	Orange	16A31-O*	16A32-O	16A33-O	16A36-O
	Green	16A31-G	16A32-G	16A33-G	16A36-G
	Yellow	16A31-Y	16A32-Y	16A33-Y	16A36-Y*

* Contact factory for availability.



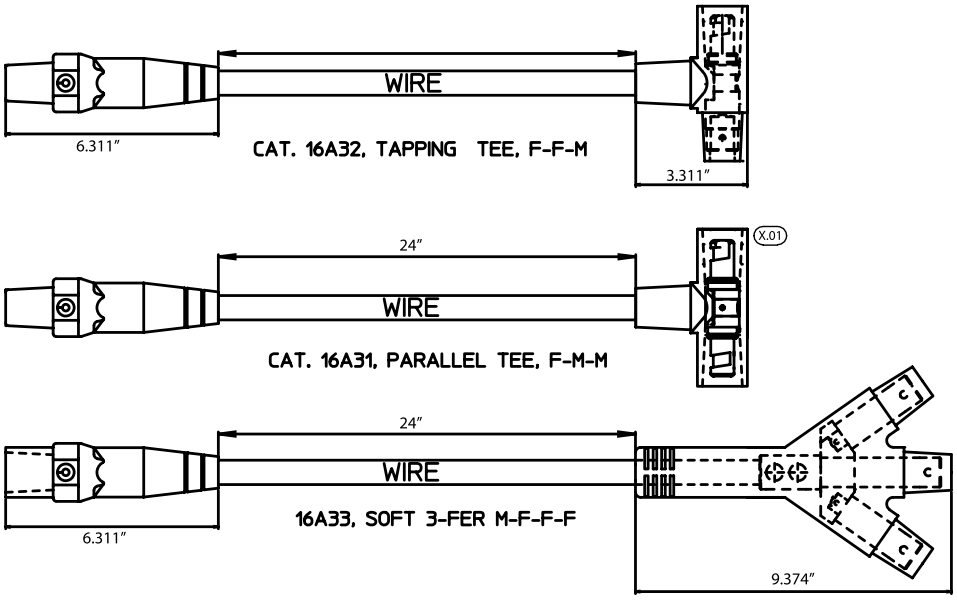
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- NEMA 3R-Rated (rainproof) for use outdoors
- CSA Certified (File #152105)

MATERIAL

- Insulator: Santoprene™ TPV
- Contact: Solid Brass
- Cable Insulation: Type SC, -40°C to 105°C

DIMENSIONS



Industrial Grade

Cam-Type Connectors — 18 Series

Specifications and Features
The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States.

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose



18D21-B

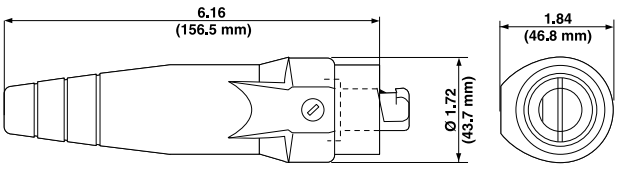


18D29-O

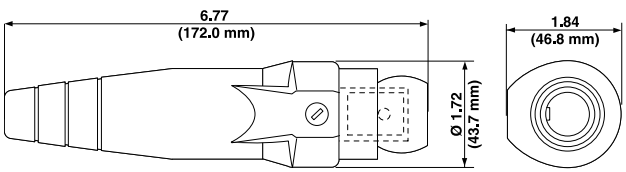
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Single Set Screw	White	18D21-W*	—	18SDM-22W*
Cable Size: #2-2/0)	Black	18D21-E	—	18SDM-22E*
	Brown	18D21-H*	—	—
	Red	18D21-R	—	18SDM-22R*
	Blue	18D21-B*	—	18SDM-22B*
	Orange	18D21-O*	—	—
	Green	18D21-G	—	18SDM-22G*
	Yellow	18D21-Y*	—	—
Female Detachable Plug - Single Set Screw	White	18D29-W*	—	18SDF-22W*
(Cable Size: #2-2/0)	Black	18D29-E	—	18SDF-22E*
	Brown	18D29-H*	—	—
	Red	18D29-R	—	18SDF-22R*
	Blue	18D29-B*	—	18SDF-22B*
	Orange	18D29-O*	—	—
	Green	18D29-G	—	18SDF-22G*
	Yellow	18D29-Y*	—	—

* Contact factory for availability.

DIMENSIONS



Male Detachable Plug – Single Set Screw



Female Detachable Plug – Single Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Single Set Screw (Cable Size: 1/0-4/0)	White	18D23-W*	—	18SDM-14W*
	Black	18D23-E	—	18SDM-14E*
	Brown	18D23-H*	—	—
	Red	18D23-R	—	18SDM-14R*
	Blue	18D23-B*	—	18SDM-14B*
	Orange	18D23-O*	—	—
	Green	18D23-G*	—	18SDM-14G*
	Yellow	18D23-Y*	—	—
Female Detachable Plug - Single Set Screw (Cable Size: 1/0-4/0)	White	18D32-W*	—	18SDF-14W*
	Black	18D32-E	—	18SDF-14E
	Brown	18D32-H*	—	—
	Red	18D32-R*	—	18SDF-14R*
	Blue	18D32-B*	—	18SDF-14B*
	Orange	18D32-O*	—	—
	Green	18D32-G*	—	18SDF-14G*
	Yellow	18D32-Y*	—	—



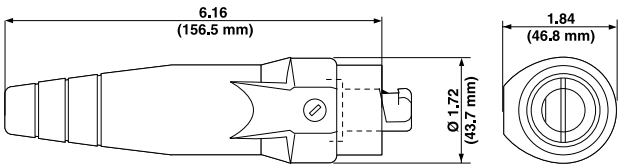
18D23-Y



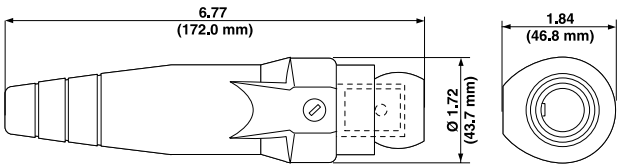
18D32-H

* Contact factory for availability.

DIMENSIONS



Male Detachable Plug – Single Set Screw



Female Detachable Plug – Single Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose



18D22-G



18D31-W

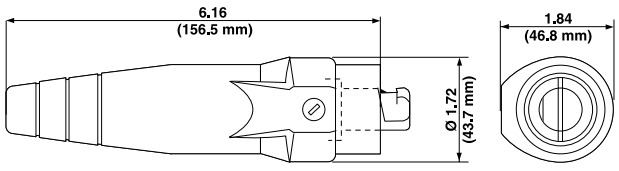
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: #2-2/0)	White	18D22-W	18D22-C*	18SDM-22W*
	Black	18D22-E	18D22-C*	18SDM-22E*
	Brown	18D22-H	18D22-C*	—
	Red	18D22-R	18D22-C*	18SDM-22R*
	Blue	18D22-B	18D22-C*	18SDM-22B*
	Orange	18D22-O*	18D22-C*	—
	Green	18D22-G	18D22-C*	18SDM-22G*
	Yellow	18D22-Y*	18D22-C*	—
Female Detachable Plug - Double Set Screw (Cable Size: #2-2/0)	White	18D31-W	18D31-C*	18SDF-22W*
	Black	18D31-E	18D31-C*	18SDF-22E*
	Brown	18D31-H	18D31-C*	—
	Red	18D31-R	18D31-C*	18SDF-22R*
	Blue	18D31-B	18D31-C*	18SDF-22B*
	Orange	18D31-O*	18D31-C*	—
	Green	18D31-G	18D31-C*	18SDF-22G*
	Yellow	18D31-Y	18D31-C*	—

* Contact factory for availability.

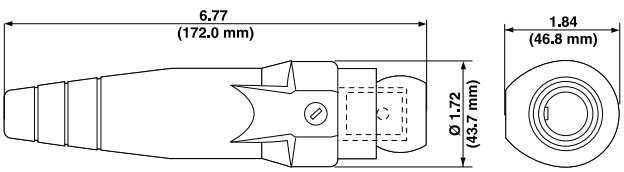
TESTING AND CODE COMPLIANCE

- Meets UL Standards (File #E13399)
- CSA Certified File #152105

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 1/0-4/0)	White	18D24-W	—	18SDM-14W*
	Black	18D24-E	—	18SDM-14E*
	Brown	18D24-H	—	—
	Red	18D24-R	—	18SDM-14R*
	Blue	18D24-B	—	18SDM-14B*
	Orange	18D24-O	—	—
	Green	18D24-G	—	18SDM-14G*
	Yellow	18D24-Y	—	—
Female Detachable Plug - Double Set Screw (Cable Size: 1/0-4/0)	White	18D33-W	—	18SDF-14W*
	Black	18D33-E	—	18SDF-14E
	Brown	18D33-H	—	—
	Red	18D33-R	—	18SDF-14R*
	Blue	18D33-B	—	18SDF-14B*
	Orange	18D33-O	—	—
	Green	18D33-G	—	18SDF-14G*
	Yellow	18D33-Y	—	—



18D24-E

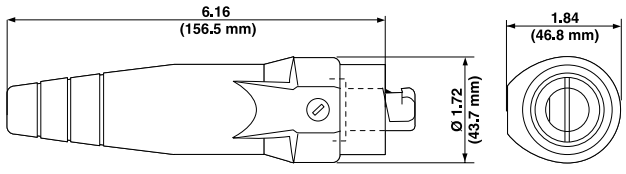


18D33-E

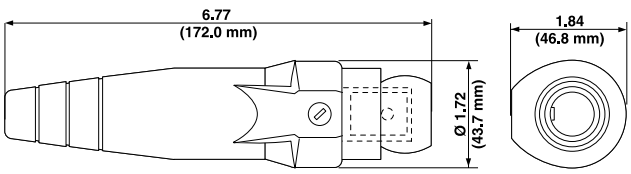
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- CSA Certified File #152105

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose



18F21-E

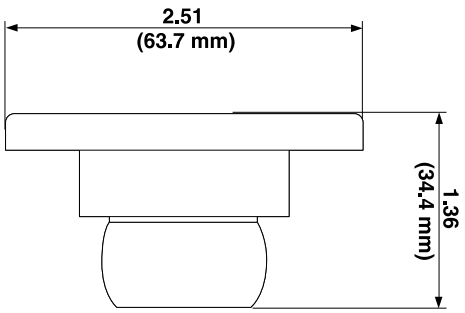


18P22-E

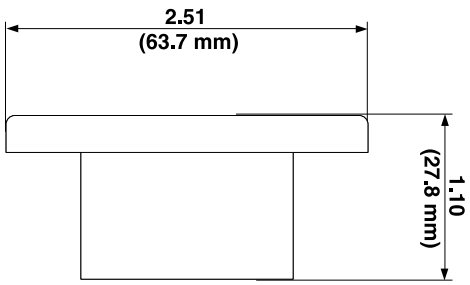
Description	Color	Cat. No. Angle Style	Cat. No. Offset Style
Female Terminal Connectors (Cable Size: #2-4/0)	White	18F21-W	18F22-W*
	Black	18F21-E*	18F22-E*
	Brown	18F21-H*	18F22-H*
	Red	18F21-R*	18F22-R*
	Blue	18F21-B*	18F22-B*
	Orange	18F21-O*	18F22-O*
	Green	18F21-G*	18F22-G*
	Yellow	18F21-Y*	18F22-Y*
Protective Caps	White	18P21-W*	18P22-W
	Black	18P21-E	18P22-E
	Brown	18P21-H*	18P22-H*
	Red	18P21-R*	18P22-R*
	Blue	18P21-B*	18P22-B*
	Orange	18P21-O*	18P22-O*
	Green	18P21-G	18P22-G
	Yellow	18P21-Y*	18P22-Y*

* Contact factory for availability.

DIMENSIONS



Male Protective Cap



Female Protective Cap

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose

Description	Color	Cat. No. Paralleling Tee Female-Male-Male	Cat. No. Tapping Tee Female-Female-Male
Three-Way Lay Down "T" Connectors	White	18A21-W*	18A22-W*
	Black	18A21-E*	18A22-E
	Brown	18A21-H*	18A22-H*
	Red	18A21-R*	18A22-R*
	Blue	18A21-B*	18A22-B*
	Orange	18A21-O*	18A22-O*
	Green	18A21-G*	18A22-G*
	Yellow	18A21-Y*	18A22-Y*



18R22-G

Description	Color	Cat. No. Threaded Stud Style (Cable Size: #2-4/0)		Cat. No. Double Set Screw Style (Cable Size: 1/0-4/0)	
		Male	Female	Male	Female
Panel Receptacles	White	18R21-W	18R22-W	18R23-W	18R24-W
	Black	18R21-E	18R22-E	18R23-E	18R24-E
	Brown	18R21-H*	18R22-H*	18R23-H	18R24-H
	Red	18R21-R	18R22-R	18R23-R	18R24-R
	Blue	18R21-B	18R22-B	18R23-B*	18R24-B
	Orange	18R21-O*	18R22-O*	18R23-O	18R24-O
	Green	18R21-G	18R22-G	18R23-G*	18R24-G
	Yellow	18R21-Y*	18R22-Y*	18R23-Y	18R24-Y

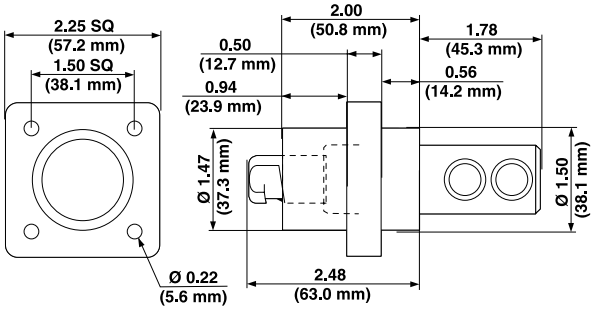


18A22-E

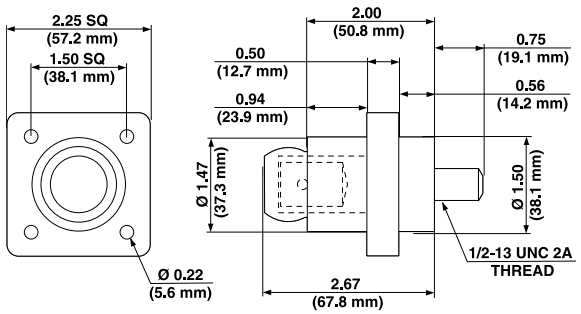
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- CSA Certified (File #152105)

DIMENSIONS



Male Double Set Screw Panel Receptacle



Female Double Set Screw Panel Receptacle

CAM-TYPE CONNECTORS (UP TO 400A*, 600V)

18 Series, Ball Nose



18A23-E



18A25-E

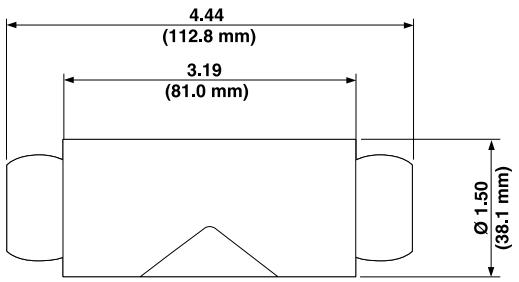
Description	Color	Cat. No. 3-Fer Male-Female-Female-Female	Cat. No. 3-Fer Female-Female-Female-Male
Multi-Way Connectors	White	18A23-W*	—
	Black	18A23-E*	—
	Brown	18A23-H*	—
	Red	18A23-R*	—
	Blue	18A23-B*	—
	Orange	18A23-O*	—
	Green	18A23-G*	—
	Yellow	18A23-Y*	—

Description	Color	Cat. No. 3-Fer Double Female Female-Female	Cat. No. 3-Fer Double Male Male-Male
Multi-Way Connectors	White	18A24-W*	18A25-W
	Black	18A24-E*	18A25-E*
	Brown	18A24-H*	18A25-H*
	Red	18A24-R*	18A25-R*
	Blue	18A24-B*	18A25-B*
	Orange	18A24-O*	18A25-O*
	Green	18A24-G*	18A25-G
	Yellow	18A24-Y*	18A25-Y*

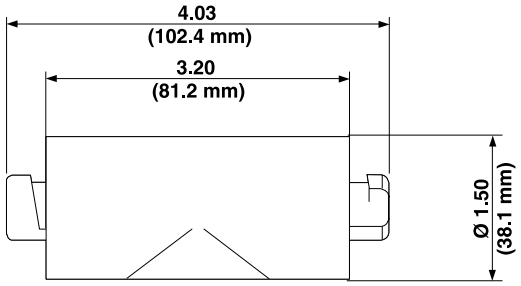
* Contact factory for availability.

TESTING AND CODE COMPLIANCE
- Meets UL Standards (File #E13399)
- CSA Certified File #152105

DIMENSIONS



Multi-Way Connector – Female To Female



Multi-Way Connector – Male To Male

Cam-Type Connectors — 17 Series

Specifications and Features
The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

17 Series, Taper Nose

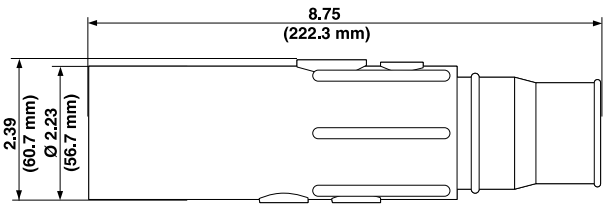
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 250-350MCM)	White	17D21-W	—	—
	Black	17D21-E	—	17SDM-E
	Brown	17D21-H	—	—
	Red	17D21-R	—	—
	Blue	17D21-B	—	—
	Orange	17D21-O	—	—
	Green	17D21-G	—	—
	Yellow	17D21-Y	—	—
Female Detachable Plug - Double Set Screw (Cable Size: 250-350MCM)	White	17D23-W	—	—
	Black	17D23-E	—	—
	Brown	17D23-H	—	—
	Red	17D23-R	—	—
	Blue	17D23-B	—	—
	Orange	17D23-O	—	—
	Green	17D23-G	—	—
	Yellow	17D23-Y	—	—


17D21-W

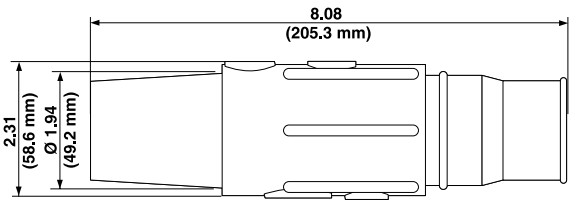

17D23-E

* Contact factory for availability.

DIMENSIONS



Male Plug – Double Set Screw Detachable



Female Plug – Double Set Screw Detachable

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

17 Series, Taper Nose

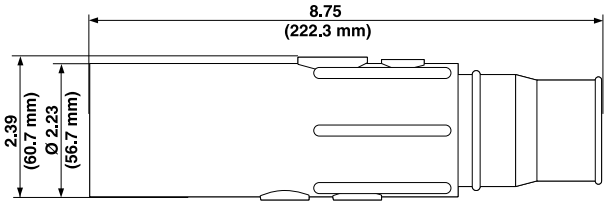


17D24-E

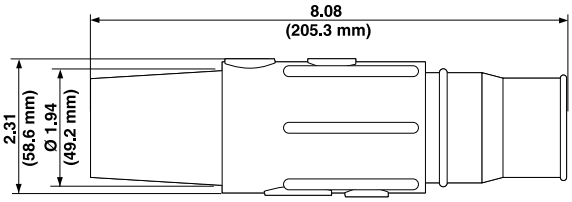
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 350-500MCM)	White	17D22-W	—	—
	Black	17D22-E	—	17SDM-E
	Brown	17D22-H	—	—
	Red	17D22-R	—	—
	Blue	17D22-B	—	—
	Orange	17D22-O	—	—
	Green	17D22-G	—	—
	Yellow	17D22-Y	—	—
Female Detachable Plug - Double Set Screw (Cable Size: 350-500MCM)	White	17D24-W	—	—
	Black	17D24-E	—	—
	Brown	17D24-H	—	—
	Red	17D24-R	—	—
	Blue	17D24-B	—	—
	Orange	17D24-O	—	—
	Green	17D24-G	—	—
	Yellow	17D24-Y	—	—

* Contact factory for availability.

DIMENSIONS



Male Plug – Double Set Screw Detachable



Female Plug – Double Set Screw Detachable

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

17 Series, Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Vulcanized Plug - Crimped (Cable Size: 500-750MCM)	White	17V23-W*	—	—
	Black	17V23-E	—	—
	Brown	17V23-H*	—	—
	Red	17V23-R*	—	—
	Blue	17V23-B*	—	—
	Orange	17V23-O*	—	—
	Green	17V23-G*	—	—
	Yellow	17V23-Y*	—	—
Female Vulcanized Plug - Crimped (Cable Size: 500-750MCM)	White	17V26-W*	—	—
	Black	17V26-E	—	—
	Brown	17V26-H*	—	—
	Red	17V26-R*	—	—
	Blue	17V26-B*	—	—
	Orange	17V26-O*	—	—
	Green	17V26-G*	—	—
	Yellow	17V26-Y*	—	—



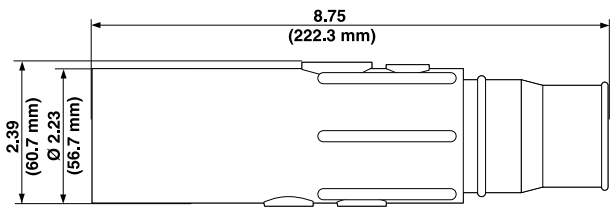
17V23-W



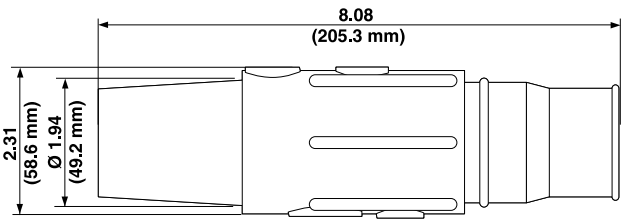
17V26-G

* Contact factory for availability.

DIMENSIONS



Male Vulcanized Plug – Crimped



Female Vulcanized Plug – Crimped

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

17 Series, Taper Nose



17R21-W

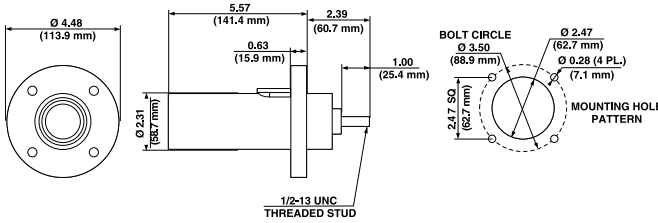


17P21-E

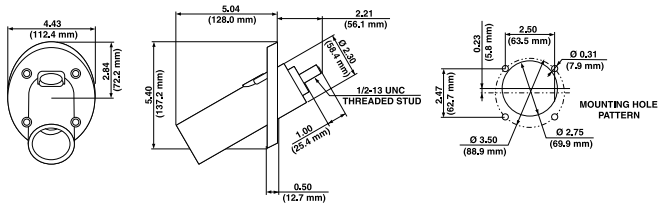
Description	Color	90˚ Style Male	90˚ Style Female	30˚ Style Male	30˚ Style Female
Panel Receptacle–	White	17R21-W	17R22-W	17R23-W	17R24-W
Threaded Stud	Black	17R21-E	17R22-E	17R23-E	17R24-E
(Cable Size: 250-750MCM)	Brown	17R21-H	17R22-H	17R23-H*	17R24-H*
	Red	17R21-R	17R22-R	17R23-R	17R24-R
	Blue	17R21-B	17R22-B	17R23-B	17R24-B
	Orange	17R21-O	17R22-O	17R23-O*	17R24-O*
	Green	17R21-G	17R22-G	17R23-G	17R24-G
	Yellow	17R21-Y	17R22-Y	17R23-Y*	17R24-Y*
	Color	**Angle Style**	**Offset Style**	**Male Protective Caps**	**Female**
Female Terminal Connectors	White	17F21-W*	—	17P21-W	17P22-W
(Cable Size: 250-750MCM)	Black	17F21-E*	17F22-E*	17P21-E	17P22-E
	Brown	—	—	17P21-H	17P22-H
	Red	—	—	17P21-R	17P22-R
	Blue	—	—	17P21-B	17P22-B
	Orange	—	—	17P21-O	17P22-O
	Green	—	—	17P21-G	17P22-G
	Yellow	—	—	17P21-Y	17P22-Y
Protective Cover for 90°	White	17531-W			
17/19 Series Receptacles	Black	17531-E			
	Red	17531-R			
	Blue	17531-B			
	Green	17531-G			

* Contact factory for availability.

DIMENSIONS



Male Panel Receptacle Threaded Stud – 90°



Male Panel Receptacle Threaded Stud – 30°

Cam-Type Connectors — 19 Series

Specifications and Features
The 19 Series Ball Nose connectors are designed for general industrial applications.

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

19 Series, Ball Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 250-350MCM)	White	19D21-W*	19D21-C*	19SDM-W*
	Black	19D21-E*	19D21-C*	19SDM-E*
	Brown	19D21-H*	19D21-C*	19SDM-H*
	Red	19D21-R	19D21-C*	19SDM-R*
	Blue	19D21-B*	19D21-C*	19SDM-B*
	Orange	19D21-O*	19D21-C*	19SDM-O*
	Green	19D21-G*	19D21-C*	19SDM-G*
	Yellow	19D21-Y*	19D21-C*	19SDM-Y*
Female Detachable Plug - Double Set Screw (Cable Size: 250-350MCM)	White	19D23-W*	19D23-C*	19SDF-W*
	Black	19D23-E*	19D23-C*	19SDF-E*
	Brown	19D23-H*	19D23-C*	19SDF-H*
	Red	19D23-R	19D23-C*	19SDF-R*
	Blue	19D23-B*	19D23-C*	19SDF-B*
	Orange	19D23-O*	19D23-C*	19SDF-O*
	Green	19D23-G*	19D23-C*	19SDF-G*
	Yellow	19D23-Y*	19D23-C*	19SDF-Y*



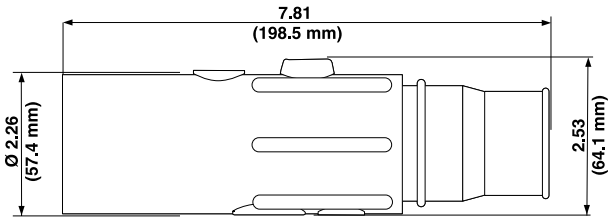
19D21-E



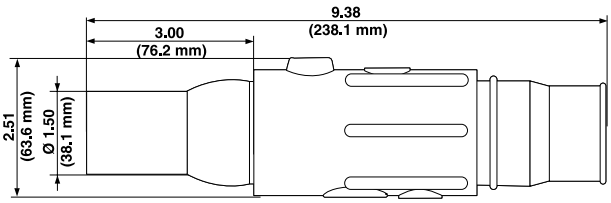
19D23-E

* Contact factory for availability.

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

19 Series, Ball Nose



19D22-E

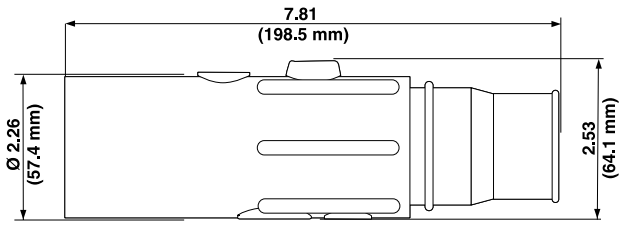


19D24-E

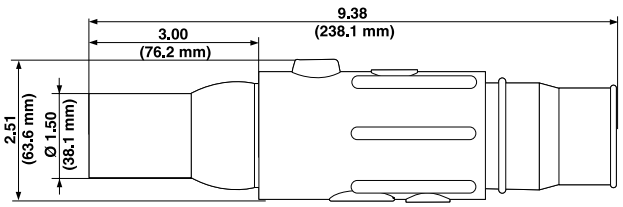
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Male Detachable Plug - Double Set Screw (Cable Size: 350-500MCM)	White	19D22-W	19D22-C*	19SDM-W*
	Black	19D22-E	19D22-C*	19SDM-E*
	Brown	19D22-H	19D22-C*	19SDM-H*
	Red	19D22-R	19D22-C*	19SDM-R*
	Blue	19D22-B	19D22-C*	19SDM-B*
	Orange	19D22-O	19D22-C*	19SDM-O*
	Green	19D22-G	19D22-C*	19SDM-G*
	Yellow	19D22-Y	19D22-C*	19SDM-Y*
Female Detachable Plug - Double Set Screw (Cable Size: 350-500MCM)	White	19D24-W	19D24-C*	19SDF-W*
	Black	19D24-E	19D24-C*	19SDF-E*
	Brown	19D24-H	19D24-C*	19SDF-H*
	Red	19D24-R	19D24-C*	19SDF-R*
	Blue	19D24-B	19D24-C*	19SDF-B*
	Orange	19D24-O	19D24-C*	19SDF-O*
	Green	19D24-G	19D24-C*	19SDF-G*
	Yellow	19D24-Y*	19D24-C*	19SDF-Y*

* Contact factory for availability.

DIMENSIONS



Male Detachable Plug – Double Set Screw



Female Detachable Plug – Double Set Screw

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

19 Series, Ball Nose

Description	Color	90˚ Style Male	90˚ Style Female	30˚ Style Male	30˚ Style Female
Panel Receptacle Threaded Stud (Cable Size: 250-750MCM	White	19R21-W	19R22-W	19R23-W*	19R24-W
	Black	19R21-E	19R22-E	19R23-E*	19R24-E*
	Brown	19R21-H	19R22-H	19R23-H*	19R24-H*
	Red	19R21-R	19R22-R	19R23-R*	19R24-R*
	Blue	19R21-B	19R22-B	19R23-B*	19R24-B*
	Green	19R21-G	19R22-G	19R23-G*	19R24-G*
	Orange	19R21-O	19R22-O	19R23-O*	19R24-O*
	Yellow	19R21-Y	19R22-Y	19R23-Y*	19R24-Y*



19R21-E

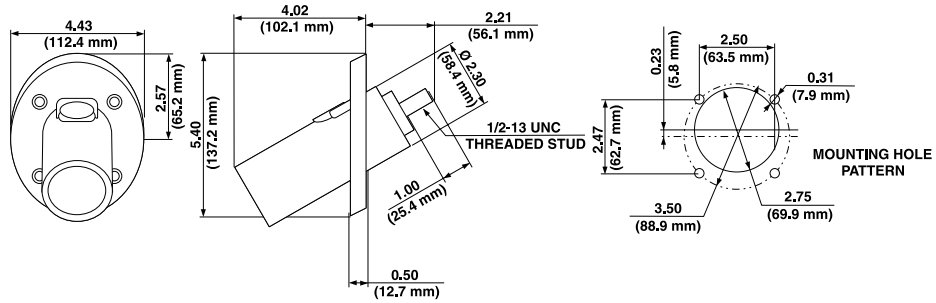
	Color	Angle Style	Offset Style	Protective Caps Male	Protective Caps Female
Female Terminal Connectors (Cable Size: 250-750MCM)	White	19F21-W*	19F22-W*	19P21-W	19P22-W
	Black	19F21-E*	19F22-E*	19P21-E	19P22-E
	Brown	19F21-H*	19F22-H*	19P21-H	19P22-H
	Red	19F21-R*	19F22-R*	19P21-R	19P22-R
	Blue	19F21-B*	19F22-B*	19P21-B*	19P22-B
	Orange	19F21-O*	19F22-O*	19P21-O	19P22-O
	Green	19F21-G*	19F22-G*	19P21-G	19P22-G
	Yellow	19F21-Y*	19F22-Y*	19P21-Y	19P22-Y



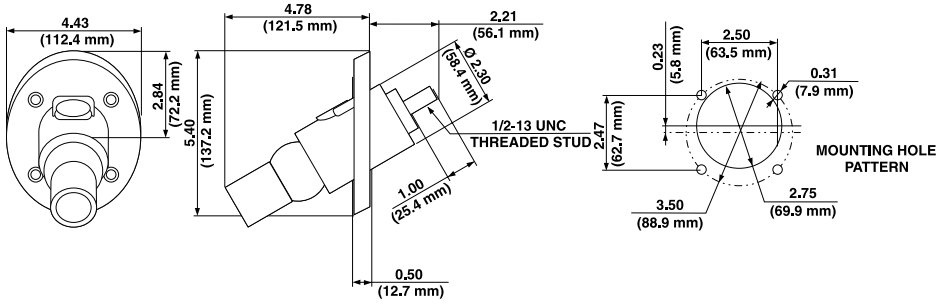
19P21-E

* Contact factory for availability.

DIMENSIONS



Male Panel Receptacle Threaded Stud – 30°



Female Panel Receptacle Threaded Stud – 30°

Cam-Type Connectors — 22/23 Series, Latching Ball Nose/ Latching Taper Nose

Specifications and Features

Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 3-phase power to ships at dockside. Our latching connector series has been tested to meet Navy specs, including intermateability with competition. They provide heavy duty, completely insulated connectors that are vibration-resistant. These connectors will not vibrate or loosen, ensuring high conductivity and maximum efficiency. Contacts can be retrofitted to existing locations and power distribution systems. Male contacts provide 40% more surface contact with the female vs. competitive products, ensuring greater conductivity while preventing burnout.



22L21-R



22L22-E



22L25-E

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

22/23 Series, Latching Ball Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Ball Nose – In-Line Latching	White	22L21-W	—	22SVM-W
Male Connectors – Crimped	Black	22L21-E	—	22SVM-E
(Cable Size: 250-350MCM)	Red	22L21-R	—	22SVM-R
	Green	22L21-G	—	—
Ball Nose – In-Line Latching	White	22L24-W	—	—
Female Connectors Crimped	Black	22L24-E	—	—
(Cable Size: 250-350MCM)	Red	22L24-R	—	22SVF-R
	Green	22L24-G	—	—
Ball Nose – In-Line Latching	White	22L22-W	22L22-C*	22SVM-W
Male Connectors – Crimped Style	Black	22L22-E	22L22-C*	22SVM-E
22L22 Series	Red	22L22-R†	22L22-C*	22SVM-R
(Cable Size: 350-500MCM)				
Ball Nose – In-Line Latching	White	22L22-SW†	22L22-C*	22SVM-W
Male Connectors – Set Screw	Black	22L22-SE†	22L22-C*	22SVM-E
Style 22L22-S Series	Red	22L22-SR†	22L22-C*	22SVM-R
(Cable Size: 350-500MCM)				
Ball Nose – In-Line Latching	White	22L25-W	22L25-C	—
Female Connectors – Crimped Style	Black	22L25-E	22L25-C	—
22L25 Series	Red	22L25-R	22L25-C	22SVF-R
(Cable Size: 350-500MCM)				
Ball Nose – In-Line Latching	White	22L25-SW†	22L25-C	—
Female Connectors –	Black	22L25-SE†	22L25-C	—
22L25-S Series	Red	22L25-SR†	22L25-C	22SVF-R
(Cable Size: 350-500MCM)				

* Contact factory for availability.
† 22L22-S and 22L25-S Series sleeves are Santoprene™ thermoplastic elastomer and detachable.
*Refer to Ampacity Chart for all cable sizes on page 510

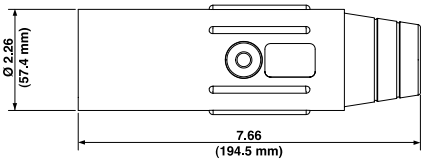
TESTING AND CODE COMPLIANCE

- Meets ETL Standards (File #521300)

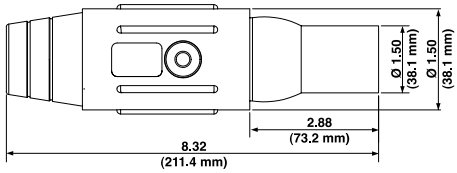
ENVIRONMENTAL

- Waterproof (when vulcanized) and fire-resistant for outside usage

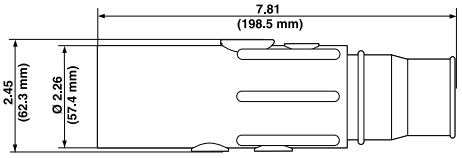
DIMENSIONS



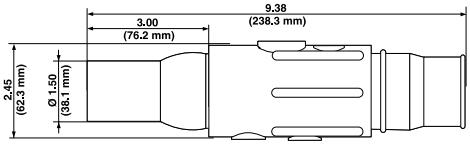
Ball Nose In-line Latching Male Connectors S-Series



Ball Nose In-line Latching Female Connectors S-Series



Ball Nose In-line Latching Male Connectors – Crimped



Ball Nose In-line Latching Female Connectors – Crimped

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

22/23 Series, Latching Ball Nose / Latching Taper Nose

Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Ball Nose - In-Line Latching Male Connectors Crimped (Cable Size: 500-750MCM)	White	22L23-W	—	22SVM-W
	Black	22L23-E	—	22SVM-E
	Red	22L23-R	—	22SVM-R
Ball Nose - In-Line Latching Female Connectors Crimped (Cable Size: 500-750MCM)	White	22L26-W	—	—
	Black	22L26-E	—	—
	Red	22L26-R	—	22SVF-R*
Taper Nose - In-Line Latching Male Connectors Crimped (Cable Size: 250-350MCM)	White	23L21-W*	—	23SVM-W*
	Black	23L21-E*	—	23SVM-E
	Brown	23L21-H	—	23SVM-H
	Red	23L21-R*	—	23SVM-R*
	Orange	23L21-O	—	23SVM-O
	Yellow	23L21-Y	—	23SVM-Y
Taper Nose - In-Line Latching Female Connectors Crimped (Cable Size: 250-350MCM)	White	23L24-W	—	23SVF-W*
	Black	23L24-E	—	23SVF-E*
	Brown	23L24-H	—	—
	Red	23L24-R	—	23SVF-R*
	Orange	23L24-O	—	—
	Yellow	23L24-Y	—	—



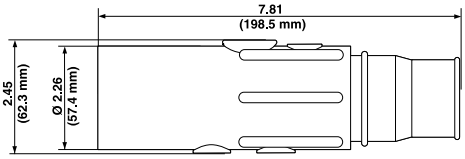
22L23-E



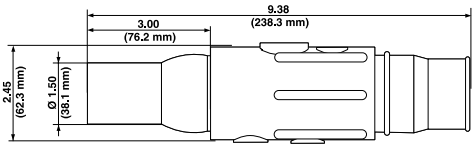
23L24-R

* Contact factory for availability.

DIMENSIONS



Ball Nose In-line Latching Male Connectors – Crimped



Ball Nose In-line Latching Female Connectors – Crimped



23L25-G

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

22/23 Series, Latching Taper Nose

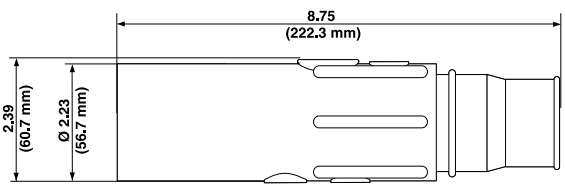
Description	Color	Cat. No. Complete	Cat. No. Contact	Cat. No. Insulator
Taper Nose – In-Line Latching Male Connectors – Crimped (Cable Size: 350-500MCM)	White	23L22-W	—	23SVM-W*
	Black	23L22-E	—	23SVM-E*
	Brown	23L22-H*	—	—
	Red	23L22-R*	—	23SVM-R*
	Blue	23L22-B*	—	—
	Orange	23L22-O*	—	—
	Green	23L22-G*	—	—
	Yellow	23L22-Y*	—	—
Taper Nose – In-Line Latching Female Connectors – Crimped (Cable Size: 350-500MCM)	White	23L25-W*	—	23SVF-W*
	Black	23L25-E	—	23SVF-E*
	Brown	23L25-H	—	—
	Red	23L25-R*	—	23SVF-R*
	Blue	23L25-B	—	—
	Orange	23L25-O	—	—
	Green	23L25-G	—	—
	Yellow	23L25-Y	—	—
Taper Nose – In-Line Latching Male Connectors – Crimped (Cable Size: 500-750MCM)	White	23L23-W	—	23SVM-W*
	Black	23L23-E	—	23SVM-E*
	Brown	—	—	—
	Red	23L23-R	—	23SVM-R*
	Blue	23L23-B	—	—
	Orange	—	—	—
	Green	23L23-G	—	—
	Yellow	—	—	—
Taper Nose – In-Line Latching Female Connectors – Crimped (Cable Size: 500-750MCM)	White	23L26-W	—	23SVF-W*
	Black	23L26-E	—	23SVF-E*
	Brown	—	—	—
	Red	23L26-R	—	23SVF-R*
	Blue	—	—	—
	Orange	—	—	—
	Green	—	—	—
	Yellow	—	—	—

* Contact factory for availability.

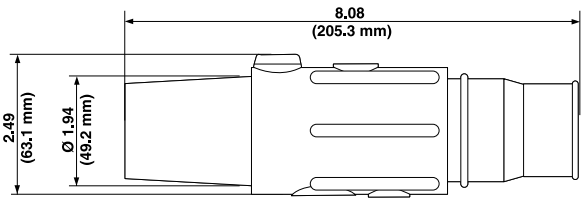
TESTING AND CODE COMPLIANCE
- Meets ETL Standards (File #521300)

ENVIRONMENTAL
- Waterproof (when vulcanized) and fire-resistant for outside usage

DIMENSIONS



Taper Nose In-line Latching Male Connectors – Crimped



Taper Nose In-line Latching Female Connectors – Crimped

Cam-Type Connectors — 22 Series, Latching Ball Nose/Panel Receptacle 15° Style

Specifications and Features

Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 3-phase power to ships at dockside. Our latching connector series has been tested to meet Navy specs, including intermateability with competition. They provide heavy duty, completely insulated connectors that are vibration-resistant. These connectors will not vibrate or loosen, ensuring high conductivity and maximum efficiency. Contacts can be retrofitted to existing locations and power distribution systems. Male contacts provide 40% more surface contact with the female versus competitive products, ensuring greater conductivity while preventing burnout.

CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

22 Series, Latching Ball Nose, Panel Receptacle 15° Style

Description	Color	Cat. No. Threaded Stud 15° Style Female	Cat. No. Threaded Stud 15° Style Female with Micro Switch
Ball Nose Panel receptacle	White	22R26-W	22R28-W
	Black	22R26-E	22R28-E
	Red	22R26-R	22R28-R

NOTE: 22R28 Series complete with protective cap.
*Contact factory for availability.



22R26-R
with protective cap off



22R28-W
with protective cap off



22R22-W
with protective cap



22R28-W
micro switch (close-up)

TESTING CODE AND COMPLIANCE

22R26 & 22R28 Series

Meets All specifications outlined in Unified Facilities Guide Specification

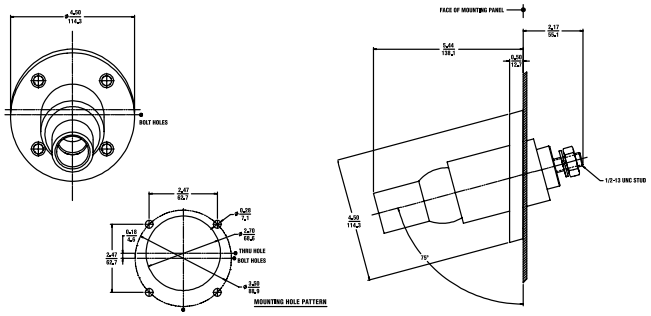
ENVIRONMENTAL

22R26 & 22R28 Series

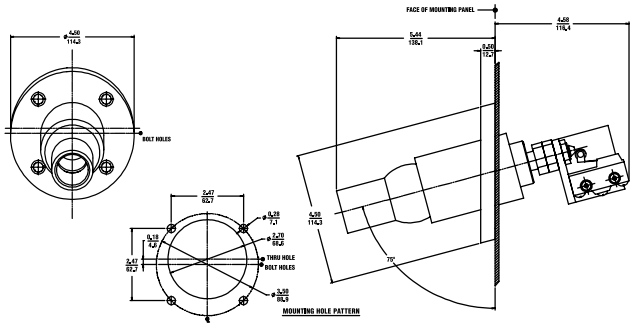
Rated for 600 volts, 690 amperes, 60 hertz, single pole, continuous duty operation. Provide 15 degree angled, panel mount, female, thermoplastic rubber insulated receptacles with threaded stud termination. Each receptacle shall be provided with protective cap attached via wirelon. Receptacles shall be colored black phase A, white phase B, and red phase C. Receptacles indicated to have auxiliary switches which have a thru-center plunger that activates a single-pole double throw, "rocker lever actuated" switch electrically rated for 25,000 cycles at 15A, 125, 250 or 480 VAC, and shall be mechanically rated for 20,000,000 cycles. Panel receptacles and protective caps shall be molded of an Ethylene Propylene Thermoplastic Rubber (EPTR) with the following minimum requirements:

a. Constant Service Temperature Range: -60°C to + 135°C (-81°F to +275°F)
b. Flammability: UL 94 HB Rated
c. Electrical: UL Relative Thermal Index (RTI): 100°C (212°F) minimum
d. Durometer Hardness: ASTM D 2240, 55 - 65 A

DIMENSIONS



22R26 Series



22R28 Series

Cam-Type Connectors — 22/23 Series, Latching Ball Nose/ Latching Taper Nose

Specifications and Features

Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 3-phase power to ships at dockside. Our latching connector series has been tested to meet Navy specs, including intermateability with competition. They provide heavy duty, completely insulated connectors that are vibration-resistant. These connectors will not vibrate or loosen, ensuring high conductivity and maximum efficiency. Contacts can be retrofitted to existing locations and power distribution systems. Male contacts provide 40% more surface contact with the female vs. competitive products, ensuring greater conductivity while preventing burnout.



22P21-E



22P22-E



22R23-E



22R24-E



23R21-E

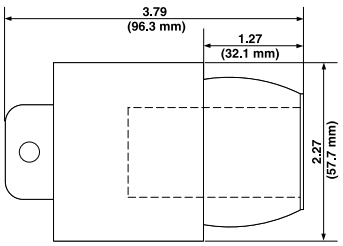
CAM-TYPE CONNECTORS (UP TO 690A*, 600V)

22/23 Series, Latching Ball Nose / Latching Taper Nose

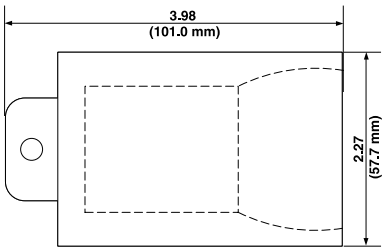
Description	Color	Ball Nose Male	Ball Nose Female	Taper Nose Male	Taper Nose Female
Protective Caps	White	22P21-W	22P22-W	23P21-W*	23P22-W*
	Black	22P21-E	22P22-E	23P21-E*	23P22-E*
	Red	22P21-R	22P22-R	23P21-R*	23P22-R*
	Color	**Male**	**Female**		
Ball Nose – Thermoplastic Housing	White	22H21-W*	22H22-W*		
Panel Receptacle – Threaded Stud	Black	22H21-E*	22H22-E*		
(Cable Size: 250-350MCM)	Red	22H21-R*	22H22-R*		
Taper Nose – Thermoplastic Housing	White	23H21-W*	23H22-W*		
Panel Receptacle – Threaded Stud	Black	23H21-E*	23H22-E*		
(Cable Size: 350-500MCM)	Red	23H21-R*	23H22-R*		
	Color	**90˚ Style Male**	**90˚ Style Female†**	**30˚ Style Male**	**30˚ Style Female†**
Ball Nose – Panel Receptacle –	White	22R21-W	22R22-W	22R23-W	22R24-W
Threaded Stud	Black	22R21-E	22R22-E	22R23-E	22R24-E
(Cable Size: 250-750MCM)	Brown	—	—	—	22R24-H
	Red	22R21-R	22R22-R	22R23-R	22R24-R
	Blue	—	—	—	22R24-B
	Orange	—	—	—	22R24-O
	Green	—	—	—	22R24-G
	Yellow	—	—	—	22R24-Y
Tapered Nose – Panel Receptacle –	White	23R21-W*	23R22-W	23R23-W*	23R24-W
Threaded Stud	Black	23R21-E	23R22-E	23R23-E	23R24-E
(Cable Size: 250-750MCM)	Brown	—	23R22-H	23R23-H	23R24-H
	Red	23R21-R*	23R22-R	23R23-R*	23R24-R
	Blue	23R21-B	23R22-B	23R23-B	23R24-B
	Orange	—	23R22-O	23R23-O	23R24-O
	Green	23R21-G	23R22-G	23R23-G	23R24-G
	Yellow	—	23R22-Y	23R23-Y	23R24-Y

* Contact factory for availability.

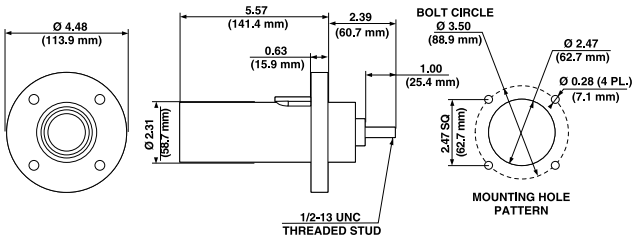
DIMENSIONS



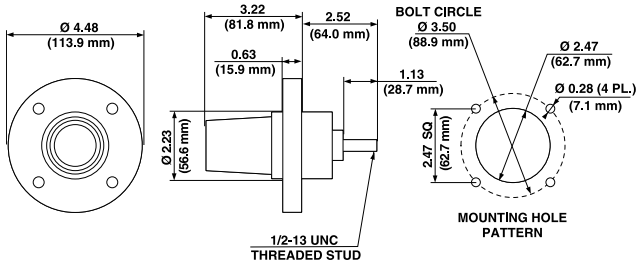
Male Protective Cap: 22P21 Series



Female Protective Cap: 22P22 Series



90° Male Panel Receptacle Threaded Stud: 22R21 Series



90° Female Panel Receptacle Threaded Stud: 22R22 Series

Technical Information

AMPACITY CHART

Cable Size	MAXIMUM ALLOWABLE AMPACITIES		
	60°C (140°F)	75°C (167°F)	90°C (194°F)
#8	60	70	80
#6	80	95	105
#4	105	125	140
#3	120	145	165
#2	140	170	190
#1	165	195	220
1/0	195	230	260
2/0	225	265	300
3/0	260	310	350
4/0	300	360	400
250MCM	340	405	455
300MCM	375	445	505
350MCM	420	505	570
400MCM	455	545	615
500MCM	515	620	690

Cam Connectors for Commercial and Industrial Use

Leviton offers a wide variety of single pin cam-type cable connectors and panel mount receptacles that supply temporary electrical power distribution for multiple indoor and outdoor applications. The heavy-duty connectors are the standard for the following markets:

- Entertainment and Movie Industry
- Concerts and Theme Parks
- Carnival Equipment
- Conventions

Other applications include:

- Motor and Generator Splices
- Mining and Construction Sites
- Commercial and Navy Shipbuilding & Repair
- Other temporary power applications

Leviton manufactures the highest quality single pin connectors available. Our connectors are completely compatible with competitive cam-type products and can be retrofitted to existing locations and power distribution systems. We offer a variety of quick connect/disconnect connectors for various amperage ratings in a multitude of cable sizes. Connectors are available in two styles:

- Field detachable
- Vulcanized

We also offer ball nose and taper nose configurations

Leviton Cam-Type Connectors Features and Benefits

- Intermateable and compatible with competitive cam-type products — can be retrofitted to existing locations and power distribution systems
- Locking and reinforcing ring won't melt, break or crack
- Shatter and crack proof – high durometer thermoplastic elastomer (TPE) or neoprene rubber
- Color-coded insulating sleeves – fast and easy phase identification
- Prevents arcing or burning – no movement of contact surfaces
- Self compensating for wear – slit and cam in male contact provides spring action for longer usage
- Quick connect/disconnect – twist and pull provided by double cam male and cam button in female
- High conductivity – positive, vibration-proof connection provided by double cam design
- Wide range of applications – usable with a wide range of cable and amperage ratings
- Meets NEC Code, UL Listed and CSA Certified. NEMA 3R-Rated for use in outside locations

Experience the Difference

Our cam-type connectors are designed for easy assembly and disassembly without special tools. An insulated screw is used to tightly secure the contact inside the insulating sleeve, making assembly, disassembly and field repairs effortless. The connectors use plastic locking and reinforcement rings molded into insulating sleeves and receptacles. Under severe stress and load conditions, plastic locking and reinforcement rings will not melt, break or crack. Other quality differences include:

- Reusable sleeves and contacts
- Preservation of cable length
- Snug fit due to Helox shape of connection as well as cable cutoffs that accommodate a wide range of cable sizes
- Hard thermoplastic elastomer screw head provides strength and durability
- Collar around port provides protection for insulated screw
- Quick check for cable-to-contact connection

Industrial Grade

"COM-A-LONG" ASSEMBLY TOOL 15 SERIES

Description	Cat. No.
For Female Plug	15CLM
	
For Male Plug	15CLF
	

17 SERIES, 19 SERIES & 22/23 SERIES

Description	Cat. No.
For Female Plug	17CLM
	
For Male Plug	17CLF
	

16 SERIES & 18 SERIES

Description	Cat. No.
For Female Plug	16CLM
	
For Male Plug	16CLF
	

SET SCREWS (10 PER PACKAGE)

Description	Cat. No.
15 Series	A0001
	
16 Series & 18 Series	A0002
	

* Contact factory for availability.

COPPER SHIMS (10 PER PACKAGE)

Description	Cat. No.
15 Series	A0006
16 Series & 18 Series	A0004



INSULATED SCREW (10 PER PACKAGE)

Description	Cat. No.
16 Series & 18 Series	A0005



STRAIN RELIEF WIRE (10 PER PACKAGE)

Description	Cat. No.
15 Series	A0007
16 Series & 18 Series	A0003





LUBRICATING SPRAY

Description	Cat. No.
16 Fluid Ounce Can	C0001



* Contact factory for availability.

Industrial Grade

Rhino-Hide® 49 Series Single Pole Connectors and Receptacles

Rhino-Hide® (49 Series Male and Female Connectors, 49 Series Single Pole Connectors) are cURus recognized components engineered to exceptional standards for high-amperage power delivery on land-based and offshore oil and gas rigs. For Use on Land-Based and Off-Shore Oil Drilling Rigs and Other High-Amperage Power Generation Applications. Rhino-Hide® single pole connectors and receptacles are designed to deliver up to 1,000 Volts AC or DC and up to 1,135 Amps of continuous power under the most extreme conditions with cables ranging in size from 313 MCM to 777 MCM. Designed to mate with other manufacturers' high-amperage single pole connectors and receptacles, Rhino-Hide single pole devices can be installed on both existing silicon-controlled rectifiers (SCR's) and generator stations or on new oil and gas rig construction.



Devices are color-coded for visual identification of circuit and phase connections

Specifications and Features

- Ideal for replacement, these connectors mate with other manufacturers' high-amperage single pole connectors and recepatacles for fast, easy change-out
- UV stable, polyolefin-based Santoprene™ TPV housings resist fading and cracking for greater service life
- Contacts machined from high conductivity copper alloy and silver-plated for corrosion resistance and superior conductivity
- Color-coded, metal in-line coupler prevents unauthorized separation of connectors
- Attach stripped cable to male or female contact with standard crimp tools
- Color-coded connector housing for quick, visual identification of circuit and phase connections

MALE AND FEMALE CONNECTORS

For Cable Sizes 313 MCM Through 777 MCM

Contacts are for copper cable only.

Complete MALE Connector by Cable Size

Color	313 MCM Cable	444 MCM Cable	535 MCM Cable	646 MCM Cable	777 MCM Cable
White	49M31-W	49M44-W	49M53-W	49M64-W	49M77-W
Black	49M31-E	49M44-E	49M53-E	49M64-E	49M77-E
Brown	49M31-H	49M44-H	49M53-H	49M64-H	49M77-H
Red	49M31-R	49M44-R	49M53-R	49M64-R	49M77-R
Blue	49M31-B	49M44-B	49M53-B	49M64-B	49M77-B
Orange	49M31-O	49M44-O	49M53-O	49M64-O	49M77-O
Green	49M31-G	49M44-G	49M53-G	49M64-G	49M77-G
Yellow	49M31-Y	49M44-Y	49M53-Y	49M64-Y	49M77-Y
Purple	—	49M44-P	49M53-P*	—	—



Male Contact

Complete FEMALE Connector by Cable Size

Color	313 MCM Cable	444 MCM Cable	535 MCM Cable	646 MCM Cable	777 MCM Cable
White	49F31-W	49F44-W	49F53-W	49F64-W	49F77-W
Black	49F31-E	49F44-E	49F53-E	49F64-E	49F77-E
Brown	49F31-H	49F44-H	49F53-H	49F64-H	49F77-H
Red	49F31-R	49F44-R	49F53-R	49F64-R	49F77-R
Blue	49F31-B	49F44-B	49F53-B	49F64-B	49F77-B
Orange	49F31-O	49F44-O	49F53-O	49F64-O	49F77-O
Green	49F31-G	49F44-G	49F53-G	49F64-G	49F77-G
Yellow	49F31-Y	49F44-Y	49F53-Y	49F64-Y	49F77-Y
Purple	—	—	49M53-P	—	49M77-P
Gray	—	49F44-GY	49F53-GY	49F64-GY	49F77-GY



Female Contact

*Contact factory for availability.

Rhino-Hide® 49 Series Panel Mounted Receptacles
49MR (Male Receptacles) and 49FR (Female Receptacles)

Rhino-Hide receptacles include a bus bar with male or female contact inserted into a Santoprene™ TPV insulator which is protected by a powder coated metal housing and TPV dust cap. A clevis pin (included) and padlock shackle secure the bus bar. Bus bars are available with single or double holes and each is compatible with the full cable range, 313 MCM to 777 MCM. Choose a male bus bar for the power side of the circuit or a female bus bar for the motor load side of the circuit. "X" Version receptacle housings feature a 45° angle stainless steel clevis pin that permits ganging of multiple receptacles in a very close proximity to each other (as close as 1/4" for installation on smaller panels).



49MR Series



49MR X-Series

RHINO-HIDE 49 SERIES PANEL MOUNTED RECEPTACLES

49MR (Male) and 49FR (Female) for Cable Sizes 313 MCM Through 777 MCM c UL us

Description	Color	Complete Male Receptacle		Complete Female Receptacle	
		Single Hole Bus Bar	Double Hole Bus Bar	Single Hole Bus Bar	Double Hole Bus Bar
Cable Size: 313 MCM	White	49MR1-CW	49MR2-CW	49FR1-CW	49FR2-CW
Through 777 MCM	Grey	49MR1-CGY	49MR2-CGY	49FR1-CGY	49FR2-CGY
	Black	49MR1-CE	49MR2-CE	49FR1-CE	49FR2-CE
	Brown	49MR1-CH	49MR2-CH	49FR1-CH	49FR2-CH
Bus Bar	Red	49MR1-CR	49MR2-CR	49FR1-CR	49FR2-CR
Hole Diameter	Blue	49MR1-CB	49MR2-CB	49FR1-CB	49FR2-CB
0.65" / 16.5mm	Orange	49MR1-CO	49MR2-CO	49FR1-CO	49FR2-CO
	Green	49MR1-CG	49MR2-CG	49FR1-CG	49FR2-CG
	Yellow	49MR1-CY	49MR2-CY	49FR1-CY	49FR2-CY
	Purple	49MR1-CP	49MR2-CP	49FR1-CP	49FR2-CP



Single Hole and Double Hole Bus Bar Terminations

RHINO-HIDE 49 SERIES PANEL MOUNTED RECEPTACLES

X-Series 49MR (Male) and 49FR (Female) for Cable Sizes 313 MCM Through 777 MCM c UL us

Description	Color	Complete Male Receptacle		Complete Female Receptacle	
		Single Hole Bus Bar	Double Hole Bus Bar	Single Hole Bus Bar	Double Hole Bus Bar
45° Panel	White	49MR1-0XW	49MR2-0XW	49FR1-0XW	49FR2-0XW
Receptacles	Grey	49MR1-XGY	49MR2-XGY	49FR1-XGY	49FR2-XGY
	Black	49MR1-0XE	49MR2-0XE	49FR1-0XE	49FR2-0XE
	Brown	49MR1-0XH	49MR2-0XH	49FR1-0XH	49FR2-0XH
	Red	49MR1-0XR	49MR2-0XR	49FR1-0XR	49FR2-0XR
	Blue	49MR1-0XB	49MR2-0XB	49FR1-0XB	49FR2-0XB
	Orange	49MR1-0XO	49MR2-0XO	49FR1-0XO	49FR2-0XO
	Green	49MR1-0XG	49MR2-0XG	49FR1-0XG	49FR2-0XG
	Yellow	49MR1-0XY	49MR2-0XY	49FR1-0XY	49FR2-0XY
	Purple	49MR1-0XP	49MR2-0XP	49FR1-0XP	49FR2-0XP



Dust Cover Cap



Clevis Pin



Coupler

CONNECTOR ACCESSORIES AND REPLACEMENT PARTS

Description	Color	Material	Cat. No.
Clevis pin for in-line connector coupler	Silver	Stainless Steel	49PNR
Dust cap for single pole male connector	Black	Santoprene TPV	49DSM
Dust cap for single pole female connector	Black	Santoprene TPV	49DSF
In-line Coupler for Connectors	See footnote	Powder-coated aluminum	49COP-*

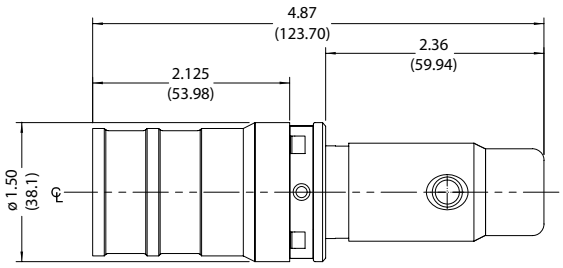
PANEL MOUNTED RECEPTACLE ACCESSORIES AND REPLACEMENT PARTS

Description	Color	Material	Cat. No.
Clevis pin for panel mount receptacle*	Silver	Stainless Steel	49PNR
Receptacle housing	Silver	Cast Aluminum	49CSR
Dust cover cap for male or female receptacle	Black	Santoprene TPV	49DSR
Receptacle housing gasket	Black	Rubber	49GAS

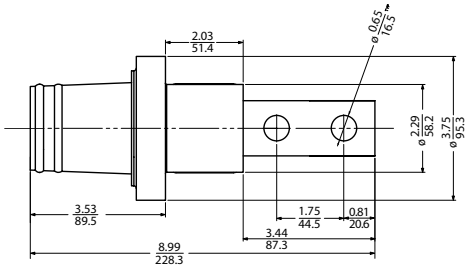
*Does not fit "X" Version.
To order a color, replace the * with color's suffix: Black (E), White (W), Red (R). Blue (B), Green (G), Yellow (Y), Orange (O), Brown (H).
Features and specifications may be subject to change.

For additional information, request a copy of the Rhino-Hide® 49 Series Connectors Product Bulletin.
Or, visit us on-line at **www.leviton.com** where a pdf file is available for review.

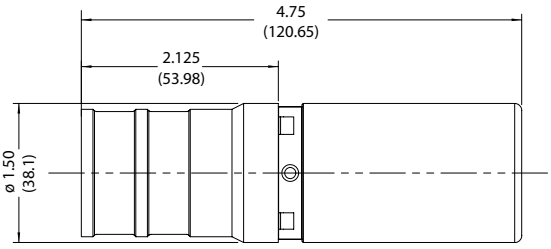
DIMENSIONS



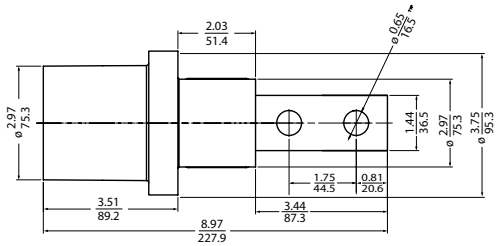
Male Contact



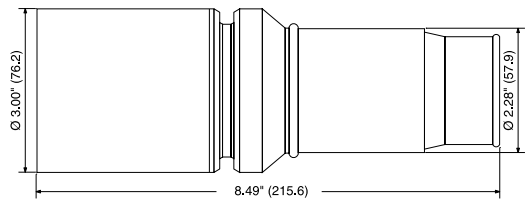
Male 2-Hole Bus Bar



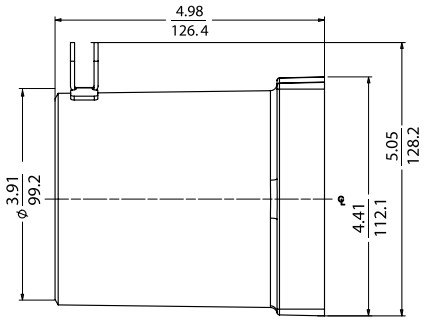
Female Contact



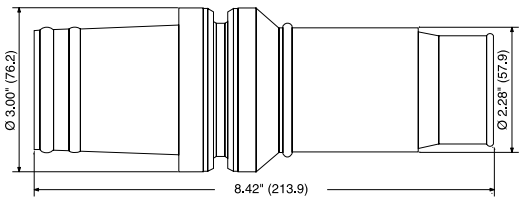
Female 2-Hole Bus Bar



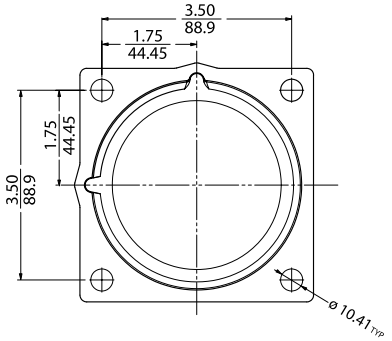
Female Connector Housing



Panel Receptacle Housing



Male Connector Housing



Panel Receptacle Flange



Stage Pin Devices

INDEX

Commercial Grade

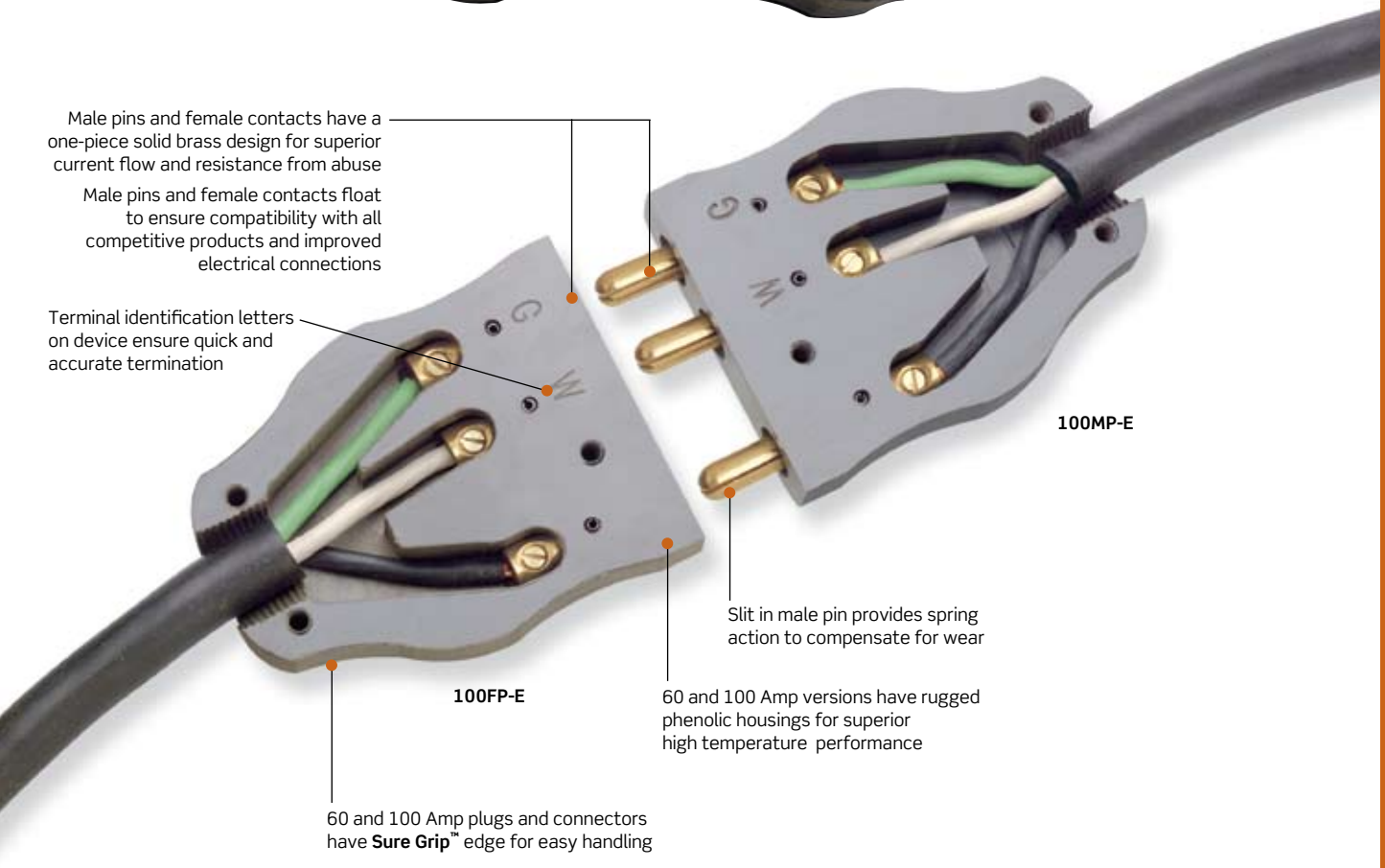
Introduction 520
20, 60, and 100 Amp 521

LEVITON

Commercial Grade

Stage Pin Devices — Conforms to USITT (United States Institute for Theater Technology) S3 Standard for Stage Pin Connectors





20MP-CL



20 Amp version is available with a clear cover to allow for visual inspection of proper termination of conductors. Other colors available. Consult factory for availability.



Male Plug, Crimp Terminal

20, 60 AND 100 AMP 125V STAGE PIN DEVICES

20A 125V, 2-P 3-W, Grounding

Description	Color	Cat. No.
Male Plug-Screw Terminal	Black	20MP-E
Male Plug-Screw Terminal	Black w/ Clear Cover	20MP-CL
Male Plug-Crimp Terminal	Black	20MC-E
Male Plug-Crimp Terminal	Black w/ Clear Cover	20MC-CL
Female Connector-Screw Terminal	Black	20FP-E
Female Connector-Screw Terminal	Black w/ Clear Cover	20FP-CL
Female Connector-Crimp Terminal	Black	20FC-E
Female Connector-Crimp Terminal	Black w/ Clear Cover	20FC-CL
Panel Mount Male Inlet-Set Screw Terminal, Snap-In Mounting	Black	20IS-E
Panel Mount Female Receptacle-Screw Terminal, Snap-In Mounting	Black	20RS-E

60A 125V, 2-P 3-W, Grounding

Description	Color*	Cat. No.
Male Plug-Set Screw Terminal	Black	60MP-E
Panel Mount Female Receptacle-Set Screw Terminal, Snap-In Mounting	Black	60RS-E
Panel Mount Female Receptacle-Set Screw Terminal, Bolt-On Mounting	Black	60RB-01E
Panel Mount Male Inlet-Set Screw Terminal, Snap-In Mounting	Black	60IS-E
Panel Mount Male Inlet-Set Screw Terminal, Bolt-On Mounting	Black	60IB-01E

100A 125V, 2-P 3-W, Grounding

Description	Color	Cat. No.
Male Plug-Set Screw Terminal	Black	100MP-E
Panel Mount Female Receptacle-Set Screw Terminal, Bolt-On Mounting	Black	100RB-01E
Panel Mount Male Inlet-Set Screw Terminal, Bolt-On Mounting	Black	100IB-01E

*For 20 Amp male plugs and female connectors, other cover colors are available. Consult factory for availability.


20MP-CL


20FP-CL


60MP-E


60FP-E


100MP-E


100FP-E

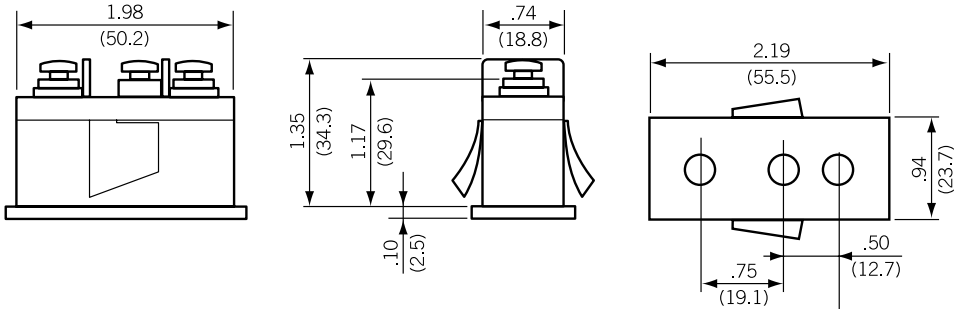

Male Panel Mount, Bolt-On


Female Panel Mount, Snap-In

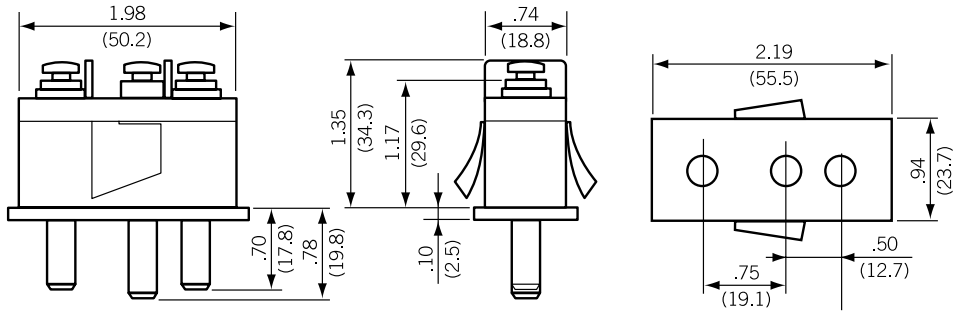
DIMENSIONS

STAGE PIN PANEL MOUNT—20 AMP

20A Female Receptacle, Snap-In

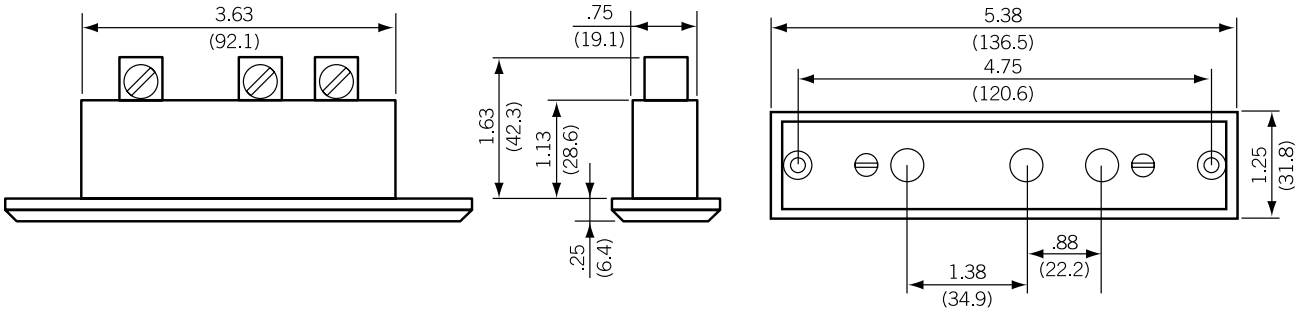


20A Male Inlet, Snap-In

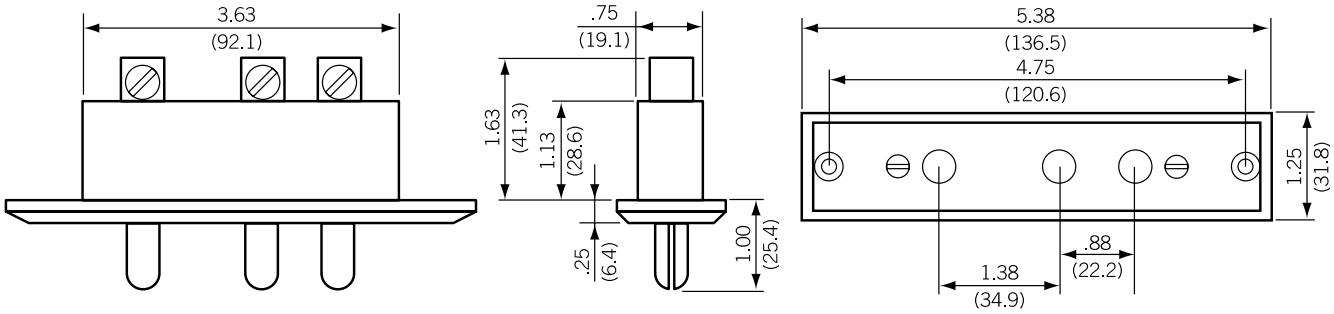


STAGE PIN PANEL MOUNT—60 AMP

60A Female Receptacle, Bolt-On

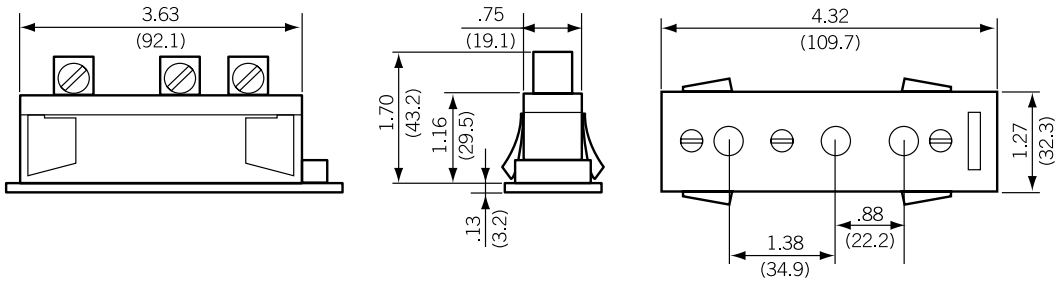


60A Male Inlet, Bolt-On

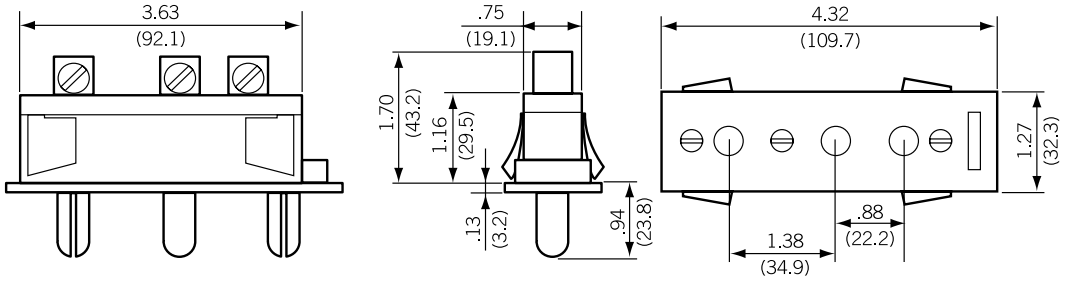


STAGE PIN PANEL MOUNT—60 AMP

60A Female Panel Receptacle, Snap-In

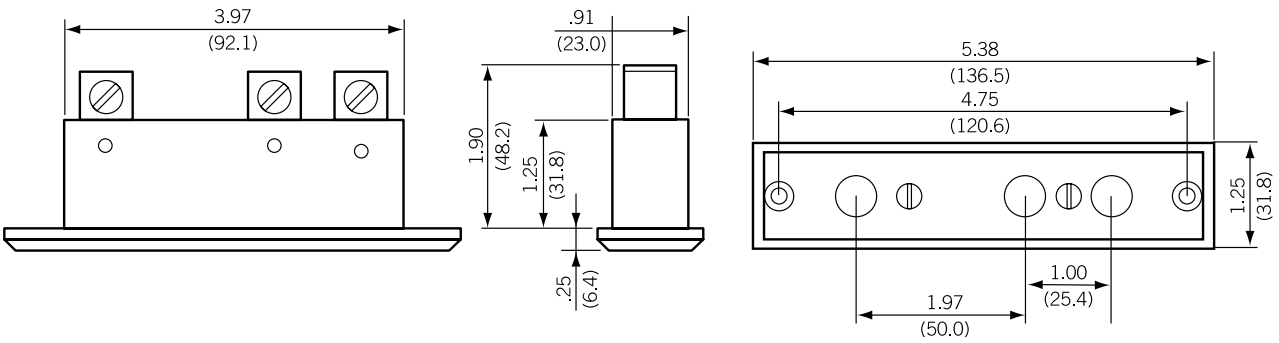


60A Male Panel Receptacle, Snap-In

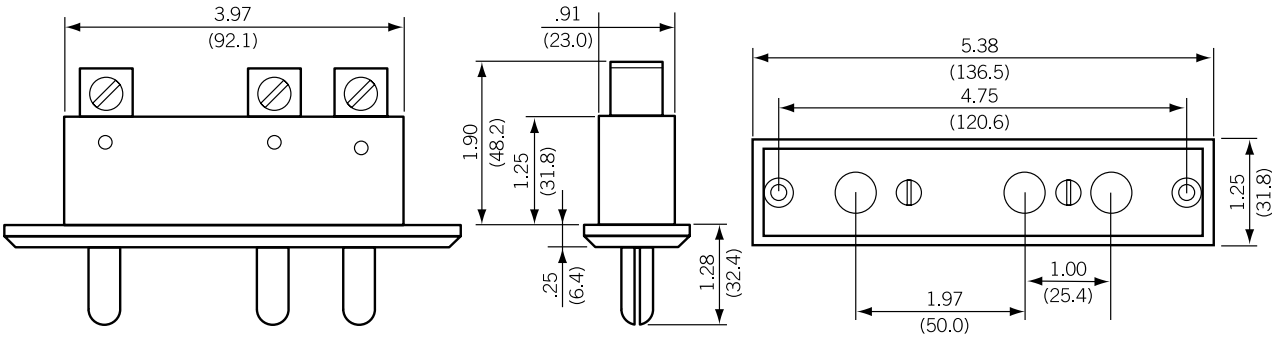


STAGE PIN PANEL MOUNT—100 AMP

100A Female Receptacle, Bolt-On



100A Male Inlet, Bolt-On





Straight Blade Devices

INDEX

Hospital Grade
Plugs and Connectors 526
Receptacles 529

Industrial Grade
Plugs & Connectors 538
Watertight, Dust-tight, Corrosion-Resistant
Plugs & Connectors 544
Power Devices
(Receptacles & Matching Plugs) 548
Receptacles 554

Commercial Grade
Plugs and Connectors 562
Receptacles 566

Residential Grade
Plugs and Connectors 575
Receptacles 578

Hospital Grade

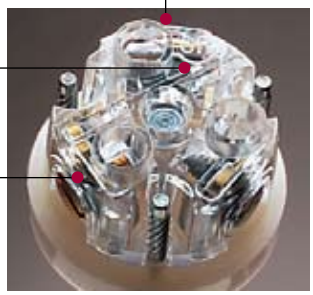
A Complete Line of Plugs and Connectors that Stands Up to the Harshest Environments

The Leviton line of straight blade plugs and connectors includes: black & white® Industrial Grade devices that resist impact, corrosion and chemicals; Hospital Grade devices that meet the highest standards for dependable, long-term performance.

black & white®

Leviton's 15 and 20 Amp Hospital Grade nylon plugs and connectors offer superior performance and long-lasting reliability features; from ergonomic design details to rugged construction that resists impact, punishing application environments, chemicals and corrosives.

Superior design, heavy-duty, impact-resistant, all nylon construction for long-lasting performance and reliability in the demanding healthcare environment.





8215-CT

Features and Benefits

- UL 498 Listed; meets latest Federal Specifications WC-598; CSA Specification C22.2 No. 42 Certified
- One-piece, rivetless triple-wipe brass connector contacts offer enlarged contact surface area
- Husk is constructed of ST801 Super Tough Nylon for superior impact resistance in rugged environments
- Beveled back edges prevent body from catching on corners and rough surfaces
- Ergonomic, fluted body design with radial gripping edge is ideal for gripping and pulling

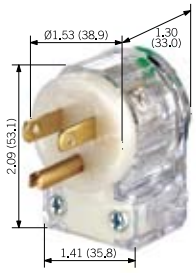
Plugs and Connectors

Specifications and Features

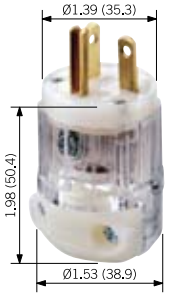
- Unmatched quality and performance confirmed by rigorous UL 498 testing
- Clearly identified by green dot
- Rugged construction resists impact, sunlight, chemicals and rough use
- All contacts are solid one-piece brass for better conductivity
- Triple-wipe, heavy-duty power contacts set in deep pockets to resist damage
- Captive, color-coded brass #8 terminal screws
- Unique cord clamp accepts wide range of cord sizes (.245"–.700"), providing secure grip without damaging cord jacket: SVT 18-3 to SO 14-3 with strain relief insert, up to ST 10-3 when strain relief insert is removed
- Power Indication™ devices equipped with green neon bulb rated at 30,000 hours (24/7) for 3.5 years

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA Config.	 5-15P	 5-15R		
Rating	**15A–125V**	**15A–125V**	**—**	**—**
Black & White Body	8215-C	8219-C	—	—
Transparent Body	8215-CT	8219-CT	—	—
Power Indication Transparent Body	8215-PLC	8219-PLC	—	—
Angle, Transparent Body	8215-CAT	—	—	—
NEMA Config. & CSA - Canada Config.	 5-20P	 5-20R  CSA	 6-20P	 6-20R  CSA
Rating	**20A–125V**	**20A–125V**	**20A–250V**	**20A–250V**
Black & White Body	8315-C	8319-C	8415-CAT	—
Transparent Body	8315-CT	8319-CT	—	—
Power Indication Transparent Body	8315-PLC	8319-PLC	—	—
Angle, Transparent Body	8315-CAT	—	—	—



8215-CAT



8315-PLC

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements

- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

ELECTRICAL

- Dielectric Voltage: Withstands 2000V for UL 498
- Current Interr.: Full rated current
- Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

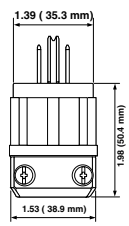
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating temperature: -40°C to 60°C

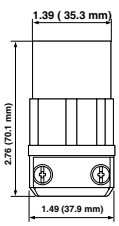
MECHANICAL

- Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #18-#10 AWG
- Product I.D.: Ratings are permanently stamped on device
- Cord Grip Range: .245" - .700"

DIMENSIONS



PLUGS



CONNECTORS

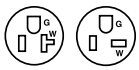
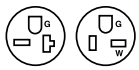
Hospital Grade

Python® Plugs and Connectors

Specifications and Features

- Features a hinged design for fast, easy, installation and assembly
- Tough high-impact body
- Hinged design delivers fast, easy installation and assembly
- Triple-drive screws for easy wiring — Standard, Philips, Robertson
- Wide Cord Clamp Range, 18-3 SVT–10-3 ST, (.245"–.700")

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA Config.	 5-15P	 5-15R	 6-15P	 6-15R
Rating	**15A-125V**	**15A-125V**	**15A-250V**	**15A-250V**
White Nylon Body	8256-V	8259-V	8656-V	8659-V
NEMA Config. & CSA - Canada Config.	 5-20P	 5-20R CSA	 6-20P	 6-20R CSA
Rating	**20A-125V**	**20A-125V**	**20A-250V**	**20A-250V**
White Nylon Body	8356-V	8359-V	8356-V	8359-V

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements

- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

ELECTRICAL

- Dielectric Voltage: Withstands 2000V for UL 498
- Current Interr.: Full rated current
- Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

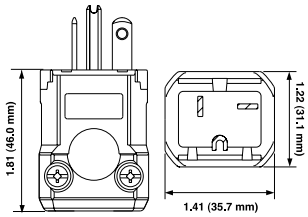
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

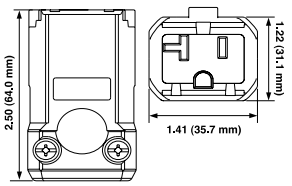
MECHANICAL

- Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #18-#10 AWG
- Product I.D.: Ratings are permanently stamped on device
- Cord Grip Range: .245" - .700"

DIMENSIONS



8356-V



8359-V

Decora Plus™ Extra Heavy-Duty Back and Side Wired

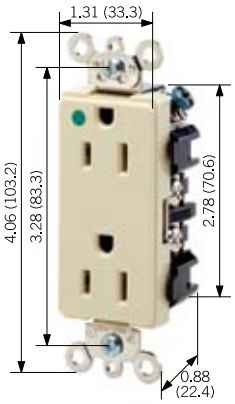
Specifications and Features

- Durable thermoplastic face in an array of contemporary colors
- Receptacles have a locked-in mounting strap with a self-grounding clip riveted to the strap
- Hospital Grade Tamper-resistant receptacles include a unique shutter mechanism that opens easily for the insertion of 2 or 3-prong plugs while preventing entry by other small objects into either outlet slot
- Hospital Grade Isolated Ground receptacles (identified by an orange face or triangle on the face) protect sensitive electronic equipment and eliminate electromagnetic interference by providing a separate path to ground
- Power Indication™ meets UL 498 Hospital Grade identification requirements
- Ten-Year Limited Product Warranty

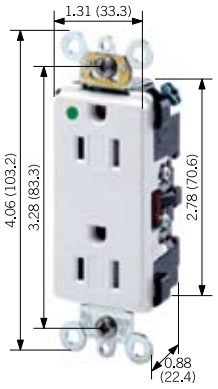
DECORA PLUS™ EXTRA HEAVY-DUTY

Back and Side Wired

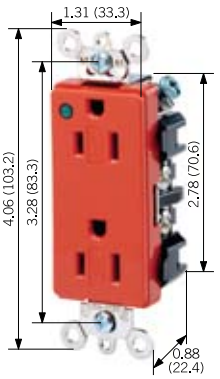
Description	Color	Cat. No.	Cat. No.
NEMA Config.		5-15R	5-20R
Rating		**15A–125V**	**20A–125V**
Duplex, Tamper Resistant	White	16262-SGW	16362-SGW
	Ivory	16262-SGI	16362-SGI
	Light Almond	16262-SGT	16362-SGT
	Grey	–	16362-SGG
	Red	16262-SGR	16362-SGR
Duplex	White	16262-HGW	16362-HGW
	Ivory	16262-HGI	16362-HGI
	Grey	16262-HGG	16362-HGG
	Red	16262-HGR	16362-HGR
Duplex, Isolated Ground	White	16262-IGW	16362-IGW
	Ivory	16262-IGI	16362-IGI
	Light Almond	16262-IGT	16362-IGT
	Grey	16262-IGG	16362-IGG
	Black	16262-IGE	–
	Red	16262-IGR	16362-IGR
	Brown	16262-IGB	16362-IGB
	Orange	16262-IG	16362-IG
Duplex, Power Indication™	White	16262-PLW	16362-PLW
	Ivory	16262-PLI	16362-PLI
	Red	16262-PLR	16362-PLR



16262-HGI



16262-SGW



16262-PLR

Hospital Grade

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

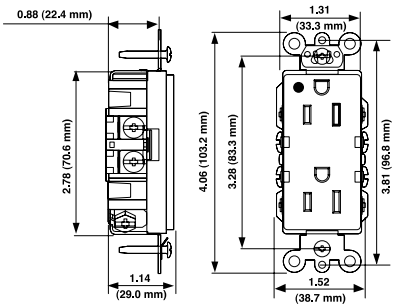
ELECTRICAL
- Dielectric Voltage: Withstands 2000V for UL 498
- Current Interr.: Full rated current
- Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

HORSEPOWER
15A - 125V — ½, 15A - 250V — 1½,
20A - 125V — 1, 20A - 250V — 2

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C Maximum Continuous

MECHANICAL
- Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG
- Product I.D.: Ratings are permanently stamped on device

DIMENSIONS



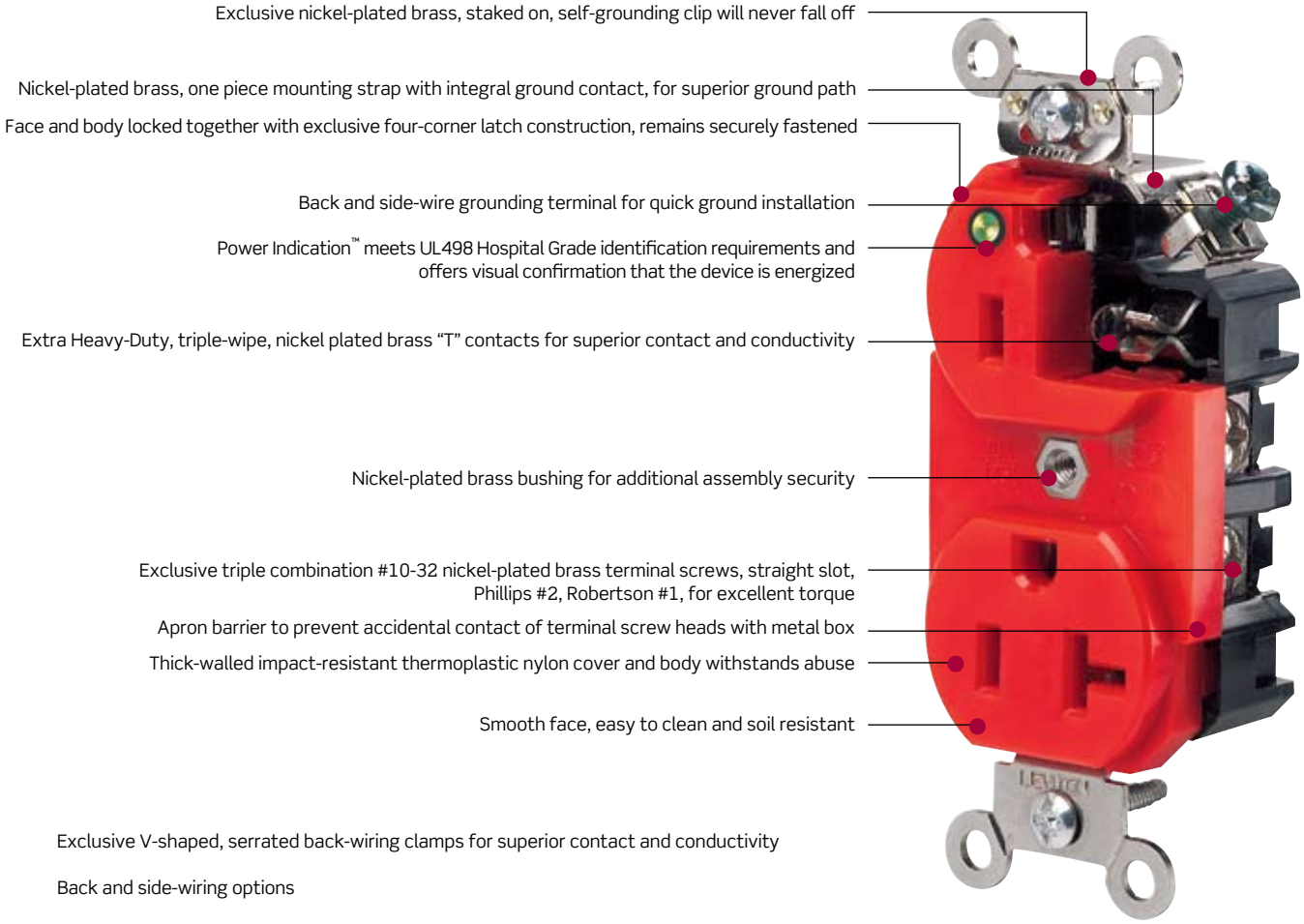
APPLIES TO 16262 SERIES RECEPTACLES

Extra Heavy-Duty Hospital Grade Receptacles

All Leviton Hospital Grade Receptacles undergo the most stringent UL testing to assure continuous, safe operation in any application requiring high-abuse tolerance, including health care facilities, manufacturing plants and schools.

Features and Benefits

- UL 498 for Hospital Grade (UL File #E-13399); UL Federal Specification WC-596 Listing
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified
- Meets NEMA WD-1 and 6 and ANSI standards
- All industrial back and side wired receptacles have #10-32 triple combination head terminal screws; straight, Phillips and Robertson
- Back and side wiring options accept #14–#10 AWG stranded or solid wire
- Power Indication™ circuit board integrates 100,000 hour LED and components in a compact fail-safe assembly
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact and conductivity
- Backed by a Limited Ten-Year Warranty
- Hospital Grade Receptacles also available with Decora® designer-styling



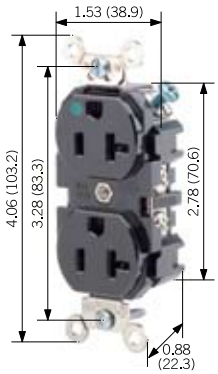
8300-PLR shown

Related Products
For Hospital Grade Surge Receptacles **see page 587.**
For Hospital Grade SmartlockPro® GFCI **see page 150.**

Extra Heavy-Duty & Heavy-Duty – Back & Side Wired/Wire Lead Receptacles

Specifications and Features

- Impact-resistant thermoplastic nylon cover and body
- Smooth face does not collect dirt
- Four corner latches securely fasten face
- Extra Heavy-Duty triple-wipe, brass "T" contacts for superior contact and conductivity
- High-performance brass #10-32 terminal screws to reduce conductor oxidation
- Back and side-wire ground termination brass strap version
- Back and side-wiring options
- Break-off tabs for easy two-circuit conversion
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact
- Power Indication™ provides permanent "green dot" lens with 100,000 hour LED status indicator
- Wire lead receptacles for fast and easy installation
- Backed by a Limited Ten-Year Warranty



8300-E

EXTRA HEAVY-DUTY HOSPITAL GRADE RECEPTACLES —

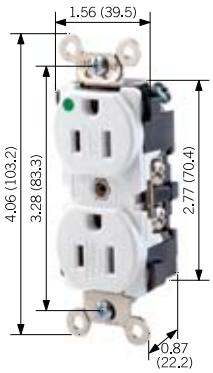
Back and Side Wired/Wire Lead

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA Config.		5-15R	6-15R	5-20R	6-20R
Rating		**15A–125V**	**15A–250V**	**20A–125V**	**20A–250V**
Duplex, Tamper Resistant	White	8200-SGW	—	8300-SGW	—
	Ivory	8200-SGI	—	8300-SGI	—
	Light Almond	—	—	8300-SGT	—
	Grey	8200-SGG	—	8300-SGG	—
	Red	8200-SGR	—	8300-SGR	—
	Brown	8200-SG	—	8300-SG	—
Duplex	White	8200-W	—	8300-W	8400-W
	Ivory	8200-I	8600-I	8300-I	8400-I
	Light Almond	8200-T	—	8300-T	—
	Grey	8200-GY	—	8300-GY	8400-GY
	Black	—	—	8300-E	—
	Red	8200-R	—	8300-R	8400-R
	Brown	8200	8600	8300	8400
Single	White	8210-W	—	8310-W	—
	Ivory	8210-I	—	8310-I	—
	Grey	—	—	8310-GY	—
	Red	8210-R	—	8310-R	—
	Brown	8210	—	8310	—
Duplex, Power Indication	White	8200-PLW	—	8300-PLW	—
	Ivory	8200-PLI	—	8300-PLI	—
	Red	8200-PLR	—	8300-PLR	—

HEAVY-DUTY HOSPITAL GRADE RECEPTACLES —

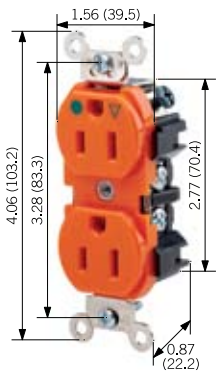
Back and Side Wired/Wire Lead

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA Config.		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Slim Design Duplex	White	8200-HW	—	8300-HW	—
	Ivory	8200-HI	—	8300-HI	—
	Light Almond	8200-HT	—	8300-HT	—
	Grey	8200-HGY	—	8300-HGY	—
	Red	8200-HR	—	8300-HR	—
	Brown	8200-H	—	8300-H	—
Duplex, Illuminated	White	8200-HLW	—	8300-HLW	—
	Ivory	8200-HLI	—	8300-HLI	—
	Red	8200-HLR	—	8300-HLR	—
Duplex, with 6" wire leads	White	8200-LW	—	8300-LW	—
	Ivory	8200-LI	—	8300-LI	—
	Grey	8200-LGY	—	8300-LGY	—
	Black	—	—	8300-LE	—
	Red	8200-LR	—	8300-LR	—
	Brown	8200-L	—	8300-L	—
Duplex, with 6" wire leads, no ground lead and self ground clip	White	8200-CW	—	8300-CW	—
	Ivory	8200-CI	—	8300-CI	—
	Grey	8200-CG	—	8300-CG	—
	Red	8200-CR	—	8300-CR	—
	Brown	—	—	8300-C	—



8200-SGW

NOTE: Single, Slim Design, Illuminated, Power Indication™ and Tamper-Resistant Receptacles meet specifications for UL Hospital Grade listing but have a different construction and design from standard Hospital Grade Duplex Receptacles listed above. There are dimensional differences between 8200-SG and 8300-SG devices. 8200-SG contains a nickel-plated steel yoke with riveted ground contacts. 8300-SG contains a one-piece, nickel-plated brass yoke.



8200-IG

HEAVY-DUTY HOSPITAL GRADE

Isolated Ground

Description	Color	Cat. No.	Cat. No.
NEMA Config.		5-15R	5-20R
Rating		**15A–125V**	**20A–250V**
Duplex	White	8200-IGW	8300-IGW
	Ivory	8200-IGI	8300-IGI
	Grey	8200-IGG	8300-IGG
	Red	8200-IGR	8300-IGR
	Brown	8200-IGB	8300-IGB
	Orange	8200-IG	8300-IG
Duplex, with 6" ground wire leads	Orange	8200-LIG	8300-LIG
Single, with 6" ground wire leads	Orange	8210-IG	8310-IG

NOTE: Single, Slim Design, Illuminated, Power Indication™ and Tamper-Resistant Receptacles meet specifications for UL Hospital Grade listing but have a different construction and design from standard Hospital Grade Duplex Receptacles listed above. There are dimensional differences between 8200-SG and 8300-SG devices. 8200-SG contains a nickel-plated steel yoke with riveted ground contacts. 8300-SG contains a one-piece, nickel-plated brass yoke.

TESTING AND CODE COMPLIANCE

- UL Listed 498 for Hospital Grade (UL File #13399); UL Federal Specification WC-596
- CSA Certified (CSA File #152105)
- NOM Certified (#057)
- Meets NEMA WD-1 & 6, and ANSI standards

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

HORSEPOWER

15A - 125V — ½, 15A - 250V — 1½
20A - 125V — 1, 20A - 250V — 2

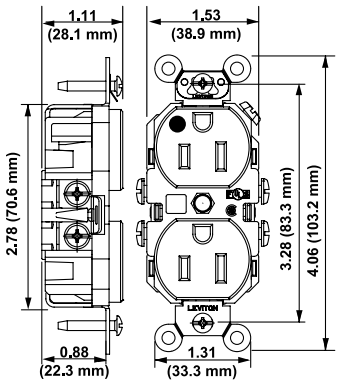
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

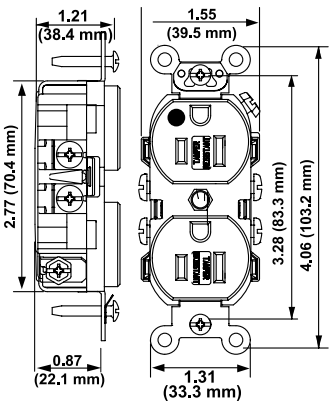
MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

DIMENSIONS

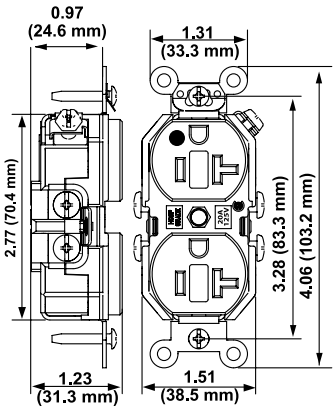


8200, 8300, 8200-PL, 8300-PL, 8400, 8600

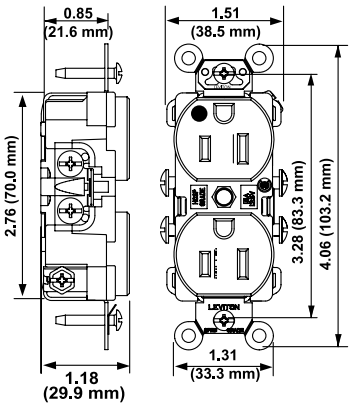


8200-SG

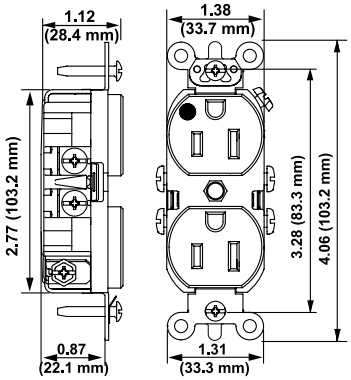
Note:
- There are dimensional differences between the 8200-SG and 8300-SG Series.
- 8200-SG Series contains a nickel-plated steel yoke with riveted ground contacts.
- 8300-SG Series contains a one-piece, nickel-plated brass yoke.



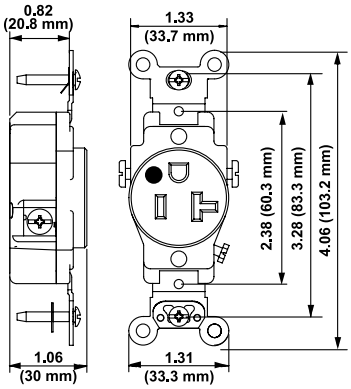
8300-SG



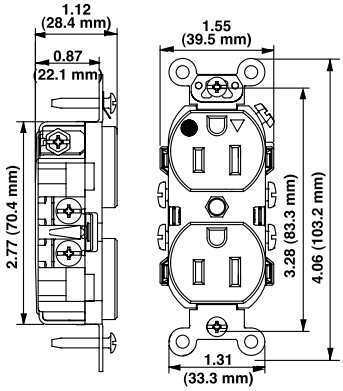
8200-H, 8300-H



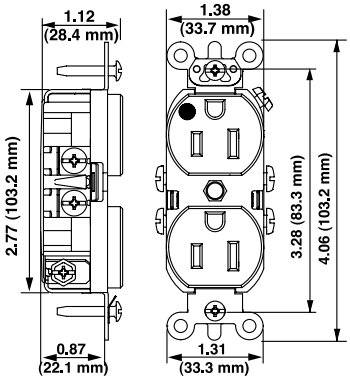
8200-HL, 8300-HL



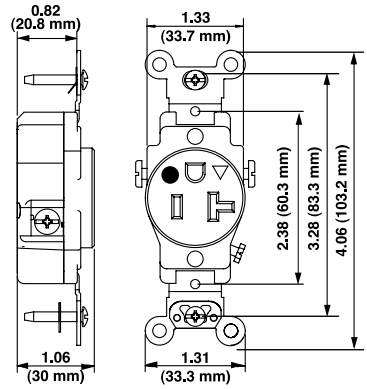
8210, 8310



8200-IG, 8300-IG



8200-LIG, 8300-LIG



8210-IG, 8310-IG

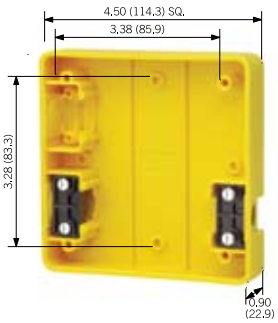
LEVITON

Hospital Grade

Extra Heavy-Duty Four-In-One

Specifications and Features

- Terminal wiring screws fit inside a standard single gang wallbox; adapter plate not required (optional)
- Impact resistant nylon cover and base for strength and resistance to chemicals and corrosives
- Smooth face; easy to clean surface
- Easy-to-read voltage and amperage rating molded onto face
- Extra Heavy-Duty, T-type triple-wipe bronze contacts for maximum performance
- Ground holes configured up or down to be outside the device, accommodating up to 4 Fed Spec size straight or angle plugs
- No. 8 terminal screws accept up to No. 12 solid or stranded copper wire
- Termination anchor holes for easy conductor wiring
- Exclusive shield-wall design protects ground connection from contact with live circuit conductors
- "A" and "B" molded on face and back for easy identification of receptacle pairs for split-circuit conversion (Note: Split circuit not available on surge models)
- Convenient built-in strip-gauge



4254-Y

FOUR-IN-ONE

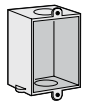
2-Pole 3-Wire Grounding

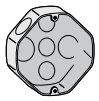
Description	Color	Cat. No.	Cat. No.
NEMA Config.		5-15R	5-20R
Rating		**15A–125V**	**20A–250V**
Four-In-One	White	1254-HW	21254-HW
	Ivory	1254-HI	21254-HI
	Grey	—	21254-HGY
	Brown	1254-H	21254-HG
	Red	1254-HR	21254-HGR
Four-In-One, Isolated Ground	White	—	21254-IGW
	Ivory	—	21254-IGI
	Orange	1254-IG	21254-IG
Four-In-One Adapter Plates	White	3254-W	—
	Ivory	3254-I	—
	Grey	3254-GY	—
	Black	3254-E	—
	Red	3254-R	—
	Blue	3254-BLU	—
	Orange	3254-OR	—
Four-In-One Portable Boxes	Ivory	4254-I	—
	Grey	4254-GY	—
	Black	4254-E	—
	Orange	4254-OR	—
	Yellow	4254-Y	—

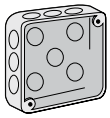
Portable boxes are not UL Listed. UL Listing does not apply when Four-in-One Receptacles are used with portable boxes for extension cord applications.

FOUR-IN-ONE RECEPTACLE WALLBOX MOUNTING

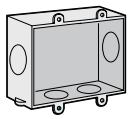
Mounts Directly

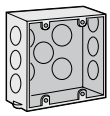

Single-Gang


4" Octagonal


4" Square

Mounts With Adapter Plates


2-Gang


$4^{11}/_{16}$" Square

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- CSA Certified Adapter Plates (File #LR-16347)
- NOM Certified (#057)

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

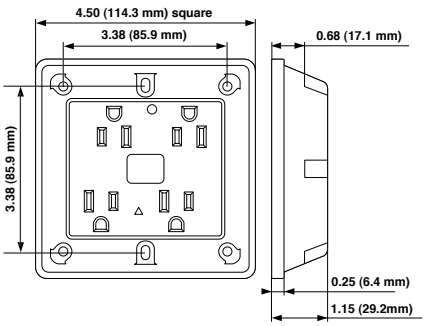
HORSEPOWER
15A - 125V — ½, 15A - 250V — 1½
20A - 125V — 1, 20A - 250V — 2

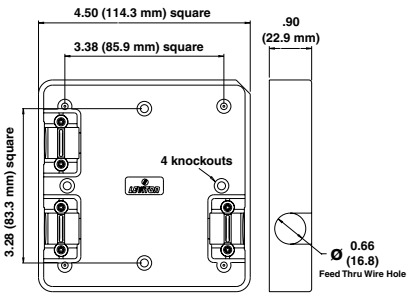
MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C Maximum Continuous

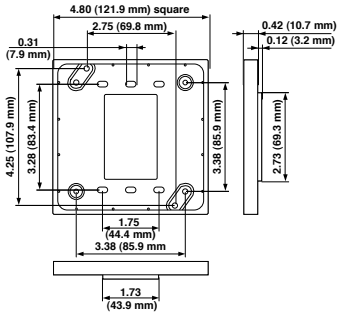
MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#12 AWG
Product I.D.: Ratings are permanently stamped on device

Related Products
For Four-In-One Hospital Grade Surge Devices **see page 588.**

DIMENSIONS







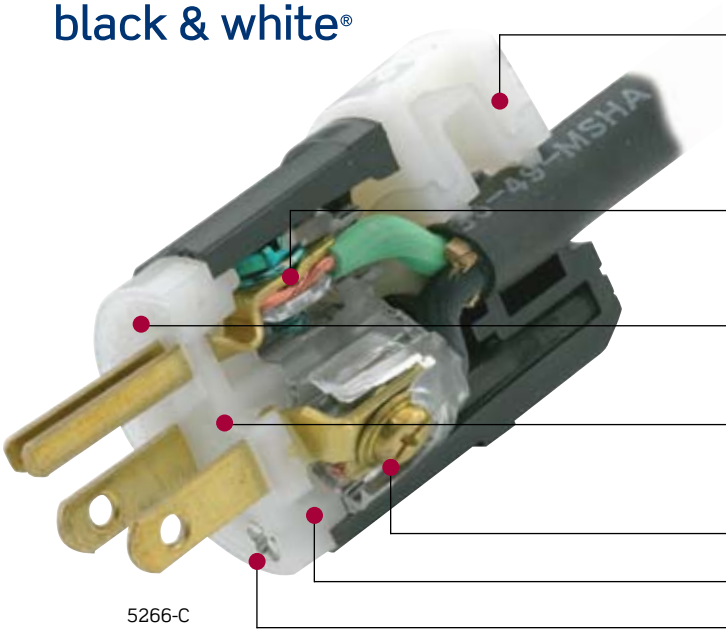
LEVITON

Industrial Grade Grade

A Complete Line of Plugs and Connectors that Stands Up to the Harshest Environments

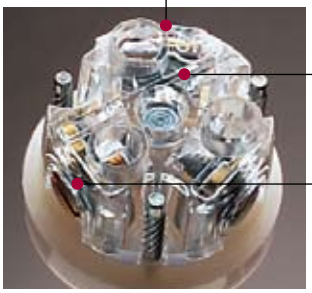
The Leviton line of straight blade plugs and connectors includes: black & white® Industrial Grade devices that resist impact, corrosion and chemicals; Wetguard® for water or moisture resistance; Dustgard® for dust and dirt; Python™, with an innovative interlocking design; rugged nylon flanged and outlets; and integrated inlets and outlets with weather resistant covers.

black & white®



5266-C

- External cord grip utilizes deep triple drive steel screws that are backed out and positioned inside shrouded pockets. External clamps accepts wire mesh grips. Catalog and NEMA numbers printed on cord clamp
- Positive contact plate bundles stranded wire maximizing surface contact resulting in improved termination
- NEMA configuration and device rating are molded on front of device to assist with identification
- Dead front solid containment barrier prevents accidental contact with internal parts
- Wiring module keyed to body for easy assembly and a tight fit
- #8-32 triple drive brass terminal screws
- Three "U" type fast-threading, triple drive, steel screws secure wiring module to body



- Individual deep-funnelled chamfered wire wells. Clear housing allows inspection of wire termination and provides molded-in wire strip gauge
- Wire clamps bundle stranded wire without cutting wire strand
- Captive, color-coded brass #8 terminal screws

Features and Benefits

- UL 498 Listed; meets latest Federal Specifications WC-598; CSA Specification C22.2 No. 42 Certified
- One-piece, rivetless triple-wipe brass connector contacts offer enlarged contact surface area
- Husk is constructed of ST801 Super tough nylon for superior impact resistance in rugged environments
- Beveled back edges prevent body from catching on corners and rough surfaces
- Ergonomic, fluted body design with radial gripping edge is ideal for gripping and pulling

Plugs and Connectors

Specifications and Features

- Rugged construction resists impact, sunlight, chemicals and rough use
- All contacts are solid one-piece brass for better conductivity
- Triple-wipe, heavy-duty power contacts set in deep pockets to resist damage
- Captive, color-coded brass #8 terminal screws
- Unique cord clamp accepts wide range of cord sizes (.245"–.700"), providing secure grip without damaging cord jacket: SVT 18-3 to SO 14-3 with strain relief insert, up to ST 10-3 when strain relief insert is removed
- Power Indication™ devices equipped with green neon bulb rated at 30,000 hours (24/7) for 3.5 years

2-Pole, 3-Wire Grounding

Description	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA Config.	5-20P	5-20R	6-15P	6-15R
Rating	**15A–125V**	**15A–125V**	**15A–250V**	**15A–250V**
Black & White Body	5266-C	5269-C	5666-C	5669-C
High-Visibility Yellow Nylon Body	5266-CY	5269-CY	5666-CY	5669-CY
All-Black Nylon for Stage and Studio	5266-CB	5269-CB	–	–
All-Black Nylon, Power Indication	5266-PLB	5269-PLB	–	–
Orange & White Body	5266-CO	5269-CO	–	–
Gray Nylon Body	5266-CG	5269-CG	–	–
Black & White Nylon Body, Power Indication	5266-PLC	5269-PLC	–	–
Angle, Black & White Nylon Body	5266-CA	5269-CA	5666-CA	–
Black 2-Piece Nylon Shell	5266-N	5269-N	–	–
Flanged Inlet, White Nylon Body	5278-C	–	15678-C	–
Flanged Outlet, White Nylon Body	–	5279-C	–	15679-C



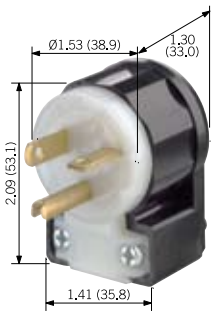
5266-C



5269-C



5278-C



5366-CA

2-Pole, 3-Wire Grounding

Description	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA Config.	 5-20P	 5-20R	 6-20P	 6-20R
Rating	**20A-125V**	**20A-125V**	**20A-250V**	**20A-250V**
Black & White Body	5366-C	5369-C	5466-C	5469-C
High-Visibility Yellow Nylon Body	5366-CY	5369-CY	5466-CY	5469-CY
All-Black Nylon, Power Indication	5366-PLB	5369-PLB	–	–
Black & White Nylon Body, Power Indication	5366-PLC	5369-PLC	–	–
Angle, Black & White Nylon Body	5366-CA	5369-CA	–	–
Flanged Inlet, White Nylon Body	15378-C	–	5478-C	–
Flanged Outlet, White Nylon Body	–	15379-C	–	5479-C

3-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector
		
Rating	**15A-125V/10A 250V**	**15A-125V/10A 250V**
Non-NEMA Black & White Nylon Body	4763-C	4765-C

2-Pole, 2-Wire Non-Grounding

Description	Cat. No. Plug	Cat. No. Connector
NEMA Config.	 1-15P	 1-15R
Rating	**15A-125V**	**15A-125V**
Black & White Nylon Body	5866-C	5869-C

Weather-Resistant Boots

Our outstanding Industrial Grade boots feature a triple-seal design to protect straight blade and locking plugs and connectors against the harmful effects of dirt and moisture in harsh environments. Boots are available in black or high-visibility yellow. The fluted surface and grip-ring design provide a non-slip grip even in wet conditions.

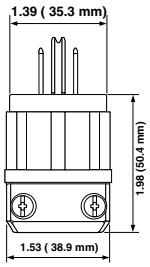
WEATHER-RESISTANT BOOTS

Description	Cat. No. Plug Boot	Cat. No. Connector Boot
Weather-Resistant Boot, for 15A & 20A Straight Blade Industrial Nylon Plugs and Connectors		
Black Rubber	6017	6018
Yellow Rubber	6017-Y	6018-Y

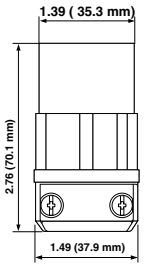


6017-Y

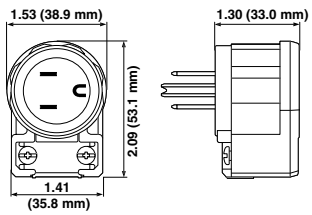
DIMENSIONS



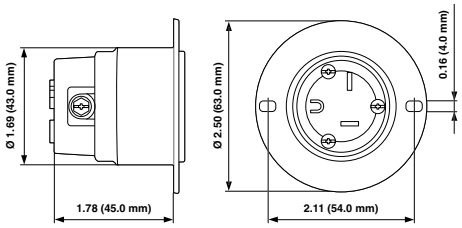
PLUGS



CONNECTORS



ANGLE PLUGS

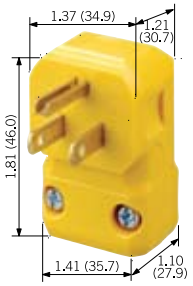


INLETS & OUTLETS

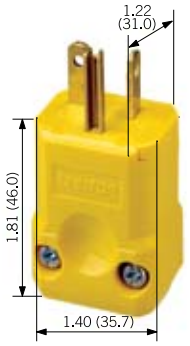
Python® Plugs and Connectors

Specifications and Features

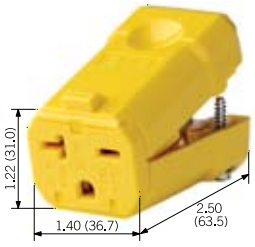
- Features a hinged design for fast, easy, installation and assembly
- Tough high-impact body
- Hinged design delivers fast, easy installation and assembly
- Triple-drive screws for easy wiring — Standard, Philips, Robertson
- Wide Cord Clamp Range, 18-3 SVT-10-3 ST (.245"-.700")



5256-VA



5456-VY



5459-VY

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA Config.	5-15P	5-15R	6-15P	6-15R
Rating	**15A-125V**	**15A-125V**	**15A-250V**	**15A-250V**
Black Nylon Body	5256-VB	5259-VB	–	–
High-Visibility Yellow Nylon Body	5256-VY	5259-VY	15656-VY	15659-VY
Gray Nylon Body	5256-VG	5259-VG	–	–
Angle High-Visibility Yellow Nylon Body	5256-VA	–	–	–
NEMA Config. & CSA - Canada Config.	5-20P	5-20R CSA	6-20P	6-20R CSA
Rating	**20A-125V**	**20A-125V**	**20A-250V**	**20A-250V**
Black Nylon Body	5356-VB	5359-VB	5456-VY	5459-VY
High-Visibility Yellow Nylon Body	5356-VY	5359-VY	–	–
Angle High-Visibility Yellow Nylon Body	5356-VA	–	5456-VA	–

TESTING AND CODE COMPLIANCE

- Meets NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

ELECTRICAL

- Dielectric Voltage: Withstands 2000V for UL 498
- Current Interr.: Full rated current
- Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

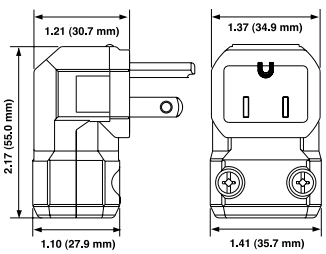
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

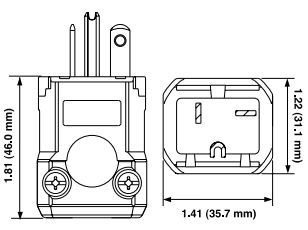
MECHANICAL

- Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #18-#10 AWG
- Product I.D.: Ratings are permanently stamped on device

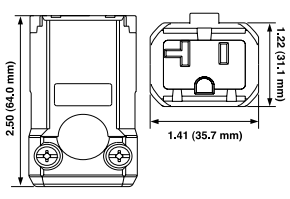
DIMENSIONS



5256-VA



5356-V



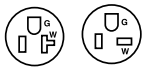
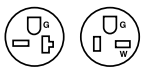
5359-V

Integrated Power Inlets and Outlets with Weather-Resistant Covers

Specifications and Features

- Engineered to IP 64 and NEMA 3R Protection Ratings
- Suitable for Industrial Indoor and Outdoor Use
- Glass-filled thermoplastic cover and plate provide outstanding impact resistance and durability
- UL 94 VO Flammability Rating
- IP 64 Suitability rating protects against dust particles and splashing water
- NEMA Type-3R enclosure Rating ensures protection against rain, sleet and damage from external ice formations
- Available with standard wire wells or with slots that accept fork terminals
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel external hardware resists corrosive effects of moisture
- Large thumb-tab makes it easy to open cover with gloved hand
- Mounts to panels or FS/FD boxes
- UL Listed and CSA Certified for wet locations with cover closed

2-Pole, 3-Wire Grounding

Description	Cat. No. Flanged Inlet	Cat. No. Flanged Outlet	Cat. No. Flanged Inlet	Cat. No. Flanged Outlet
	 5-15P	 5-15R	 6-15P	 6-15R
Rating	**15A–125V**	**15A–125V**	**15A–250V**	**15A–250V**
Standard Wire Wells	5278-CWP	5279-CWP	15678-CWP	15679-CWP
Slots for Fork Terminals	5278-FWP	5279-FWP		
	 5-20P	 5-20R CSA	 6-20P	 6-20R CSA
Rating	**20A–125V**	**20A–125V**	**20A–250V**	**20A–250V**
Standard Wire Wells	15378-CWP	—	5478-CWP	5479-CWP



5278-FWP

TESTING AND CODE COMPLIANCE

- Meets NEMA WD 1 & 6, ANSI requirements
- UL 498 Fed Spec Listed WC-598 Flanged Inlets (File #E-13393) Flanged Outlets (File #E-13399)
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

ELECTRICAL

- Dielectric Voltage: Withstands 2000V for UL 498
- Current Interr.: Full rated current
- Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL

- Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #18-#10 AWG
- Product I.D.: Ratings are permanently stamped on device

Industrial Grade

Wetguard® Watertight Straight Blade Devices

Specifications and Features

- Engineered to IP66 & IP67 Watertight Standards
- IEC IP66 and IP67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 3, 3S, 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- Outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Effective "tongue and groove" construction seals out water, moisture, dirt when plugs are mated with connectors
- Innovative strain-relief grips cables securely, keeps out water and moisture
- Cord clamp range: 18/3-10/3SO (.375"-.655")
- Non-magnetic stainless steel fast-threading assembly screws won't interfere with sensitive equipment
- Connector "hood" closure cap seals device when not in use



14W47



15W47

2-Pole, 3-Wire; 2-Pole, 2-Wire

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
	5-15P	5-15R	6-15P	6-15R	7-15P	7-15R
Rating	**15A-125V**	**15A-125V**	**15A-250V**	**15A-250V**	**15A-277V**	**15A-277V**
Black Rubber, grounding	14W47-B	15W47-B	–	–	–	–
Yellow Rubber, grounding	14W47	15W47	14W49	15W49	14W34	15W34
	5-20P	5-20R	6-20P	6-20R		
Rating	**20A-125V**	**20A-125V**	**20A-250V**	**20A-250V**		
Yellow Rubber	14W33	15W33	14W48	15W48		
Description	**Cat. No. Plug**	**Cat. No. Connector**				
	1-15P	1-15R				
Rating	**15A-125V**	**15A-125V**				
Yellow Rubber, non-grounding	14W04	15W04	–	–	–	–

3-Pole, 3-Wire

Description	Cat. No. Plug	Cat. No. Connector
Rating	**15A-125V/10A-250V**	
Non-NEMA Yellow Rubber, non-grounding	14W07	15W07

REPACEMENT CLOSURE CAP

Description	Cat. No.
Replacement Female Closure Cap for use with 15A & 20A 2-pole, 3-wire devices	50W50

Dustguard® Dust-tight Straight Blade Devices

Specifications and Features

- Engineered to IP44 Splash proof and Dust-Tight Standards
- IEC/IP44 Rated
- Developed to withstand dusty and dirty environments, cracking and fading, temperature extremes
- Rugged wiring modules have high performance 1-piece brass triple-wipe contacts, solid brass plug blades
- Self centering cord clamp accepts wide range of conductors, 18-3 SVT-12-3SO (.240"-.655")

2-Pole, 3-Wire

Description	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
	 5-15P	 5-15R	 6-15P	 6-15R
Rating	**15A-125V**		**15A-250V**	
High-Visibility Yellow	1447	1547	1449	1549
Description	**Cat. No. Plug**	**Cat. No. Connector**	**Cat. No. Plug**	**Cat. No. Connector**
	 5-20P	 5-20R	 6-20P	 6-20R
Rating	**20A-125V**		**20A-250V**	
High-Visibility Yellow	1433	1533	1448	1548

TESTING AND CODE COMPLIANCE

- Meet NEMA WD-1 and WD-6, ANSI C-73 requirements
- UL 498 Listed and meets Fed. Spec. requirements (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTIC

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Product I.D.: Ratings are permanently stamped on device

TERMINAL ACCOMM:

DEVICE TYPE	CORD GRIP RANGE
15 & 20A Straight Blade and	(.375" - .655") #18-#10 AWG
and 15A Locking — 3 Wire	(.375" - .875") #18-#10 AWG
20A Locking — 3,4 & 5 Wire	(.625" - 1.125") #12-#8 AWG
30A Locking — 3,4 & 5 Wire	

Corrosion-Resistant Straight Blade Devices

Specifications and Features

- All current-carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)
- Super tough nylon plug and connector body is bright yellow for easy corrosion resistant identification
- Connector power contacts are heavy-duty, solid, one-piece brass, triple-wipe, set in deep pockets to resist rough use
- Heavy-duty, impact-resistant, all-nylon body construction; fluted body design provides sure grip
- Wire clamp bundle stranded wire without cutting wire strands



52CM-66C

2-Pole, 3-Wire Grounding

Description	Cat. No. Plug	Cat. No. Connector
	 5-15P	 5-15R
Rating	**15A–125V**	**15A–125V**
Yellow Nylon Body and Cord Clamp	52CM-66C	52CM-69C
Description	**Cat. No. Plug**	**Cat. No. Connector**
	 5-20P	 5-20R
Rating	**20A–125V**	**20A–125V**
Yellow Nylon Body and Cord Clamp	53CM-66C	53CM-69C

TESTING AND CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Meet NEMA WD-1 and WD-6, ANSI C-73 requirements
- NEMA configuration and rating molded on front
- Designed to meet or exceed UL Fed Spe. Listing WC-596
- UL 498 Listed Receptacles (File #E-13399), Plugs (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTIC

Environmental: Flammability, Rated V2 "
Operating Temperature: -40°C (without impact) to 60°C maximum continuous"

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Product I.D.: Ratings are permanently stamped on device

Midget Straight Blade Devices

Specifications and Features

- Offers a smaller form factor for limited-space applications
- Plugs feature heavy-duty nylon construction for top performance in the environmental extremes of grueling industrial settings
- Backed by a Lifetime Warranty

2-Pole, 2-Wire Non-Grounding

Description	Cat. No. Plug
NEMA	 1-15P
Rating	**15A 125V**
Midget Locking Plug	MS2-P
Angle	MS-AP

TESTING AND CODE COMPLIANCE

- All receptacles are designed to meet/exceed UL 498 Standards
- UL Fed Spec Listed WC-596 (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full Rated Current
Temp. Rise: Max 30° C after 250 cycles at 200% of rated current

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#14 AWG
Product I.D.: Ratings are permanently stamped on device

Industrial Grade Power Devices

Built of durable thermoplastic, Leviton Power Receptacles — in flush mount, surface mount and panel mount versions — come equipped with heavy-gauge, double-wire copper alloy contacts. To ensure correct and speedy wiring, terminals have ID markings. Flush mount receptacles fit Leviton's wide range of 2.15"-diameter wallplates and mounting hardware is included. Angle plugs are made of tough, heavy-duty nylon for a long dependable service life.



Specifications and Features

Extra Heavy-Duty

- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminals marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface-mount devices are COMMERCIAL GRADE and have concentric knockouts for 3/4" and 1" conduit and adjustable cord clamp for back and bottom entrance of cable

Angle Plugs

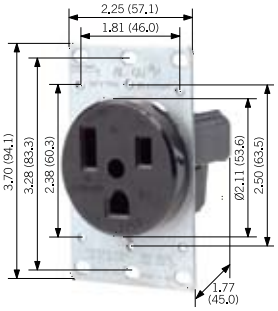
- Rugged cord clamp for secure cable grip accommodates cord diameters from .625" to 1.375" and does not tear conductor jacket
- Made of tough, heavy-duty nylon for long service life
- Devices feature heavy-sectioned dead-front right-angle
- Pressure-clamp terminal design
- Terminals accept up to #4AWG stranded conductors
- Four-way positioning front module
- Solid brass blades for maximum conductivity

SINGLE RECEPTACLES AND PLUGS

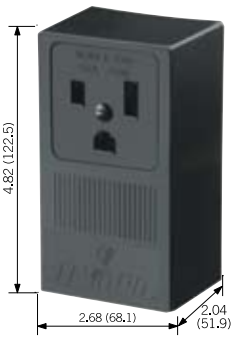
Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 10-20R	 10-20P	
Rating	**20A-125/250V**		
Heavy-Duty Flush Mount Receptacle (Black)	5032	—	Fits all wallplates with 2.15" diameter center hole
Heavy-Duty Flush Mount Receptacle (Ivory)	5032-I	—	Fits all wallplates with 2.15" diameter center hole
Straight Plug		9151-N	
NEMA	 5-30R	 5-30P	
Rating	**30A-125V**	**30A-125V**	
Flush Mount Receptacle	5371	—	Fits all wallplates with 2.15" diameter center hole
Flush Mount Receptacle, Isolated Ground	5371-IG	—	
Angle Plug		9530-P	
NEMA	 TT-30R W	 TT-30P	
Flush Mount Receptacle for Recreational Vehicles	7313	—	Fits all wallplates with 2.15" diameter center hole
Angle Plug		830-T	
NEMA	 6-30R	 6-30P	
Rating	**30A-250V**	**30A-250V**	
Flush Mount Receptacle	5372	—	Fits all wallplates with 2.15" diameter center hole
Flush Mount Receptacle Isolated Ground	5372-IG		
Surface Mount Receptacle	5376	—	Fits all wallplates with 2.15" diameter center hole
Angle Plug		9630-P	
NEMA	 7-30R	 7-30P	
Rating	**30A-277V**	**30A-277V**	
Flush Mount Receptacle	9730-A	—	Fits all wallplates with 2.15" diameter center hole
Angle Plug	—	9730-P	
NEMA	 5-50R	 5-50P	
Rating	**50A-125V**	**50A-125V**	
Flush Mount Receptacle	5373	—	Fits all wallplates with 2.15" diameter center hole
Angle Plug	—	9550-P	



9530-P



5373

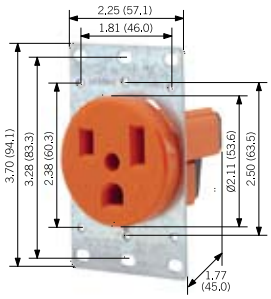


5378

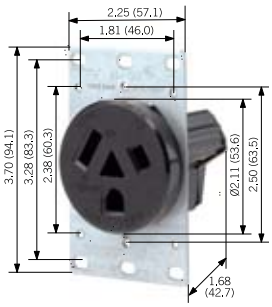


9650-P

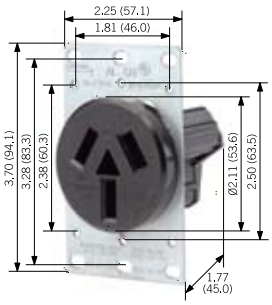
Industrial Grade



5374-IG



9750-A



5206



9450-P

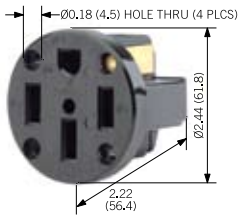
Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 6-50R	 6-50P	
Rating	**50A-250V**	**50A-250V**	
Flush Mount Receptacle	5374		Fits all wallplates with 2.15" diameter center hole
Flush Mount Receptacle, Isolated Ground		5374-IG	Fits all wallplates with 2.15" diameter center hole
Surface Mount Receptacle	5378		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9650-P	
NEMA	 7-50R	 7-50P	
Rating	**50A-277V**	**50A-277V**	
Flush Mount Receptacle	9750-A		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9750-P	

3-Pole 3-Wire Non-Grounding

Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 10-30R	 10-30P	
Rating	**30A-125V/250V**		
Flush Mount Receptacle	5207		Fits all wallplates with 2.15" diameter center hole
Surface Mount Receptacle	5054		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9332-P	
NEMA	 10-50R	 10-50P	
Rating	**50A-125V/250V**		
Flush Mount Receptacle	5206		Fits all wallplates with 2.15" diameter center hole
Surface Mount Receptacle	5050		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9450-P	

3-Pole 4-Wire Grounding

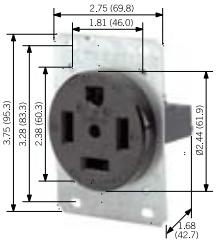
Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 14-30R	 14-30P	
Rating	**30A-125V/250V**		
Flush Mount Receptacle	278		Fits all wallplates with 2.15" diameter center hole
Panel Mount Receptacle	278-PM		Fits all wallplates with 2.15" diameter center hole
Surface Mount Receptacle	55054		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9432-P	
NEMA	 14-50R	 14-50P	
Rating	**50A-125V/250V**		
Flush Mount Receptacle	279		Fits all wallplates with 2.15" diameter center hole
Panel Mount Receptacle	279-PM		Fits all wallplates with 2.15" diameter center hole
Surface Mount Receptacle	55050		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9452-P	
NEMA	 14-60R	 14-60P	
Rating	**60A-125V/250V**		
Flush Mount Receptacle	9460		Fits any wallplate with 2.465" diameter center hole
Flush Mount Receptacle, Isolated Ground	9460-IG		Fits all wallplates with 2.15" diameter center hole
Angle Plug		9462-P	Fits all wallplates with 2.15" diameter center hole



279_PM



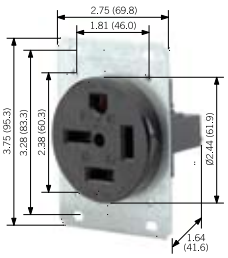
55050



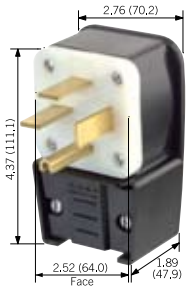
9460

3-Pole 4-Wire 3 Phase Grounding

Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 15-30R	 15-30P	
Rating	**30A-250V 3Ø**		
Flush Mount Receptacle	8430		Fits any wallplate with 2.465" diameter center hole
Angle Plug		8432-P	Fits all wallplates with 2.15" diameter center hole
NEMA	 15-50R	 15-50P	
Rating	**50A-250V 3Ø**		
Flush Mount Receptacle	8450		Fits any wallplate with 2.465" diameter center hole
Flush Mount Receptacle Isolated Ground	8450-IG		Fits all wallplates with 2.465" diameter center hole
Angle Plug		8452-P	
NEMA	 15-60R	 15-60P	
Rating	**60A-250V 3Ø**		
Flush Mount Receptacle	8460		Fits any wallplate with 2.465" diameter center hole
Angle Plug		8462-P	



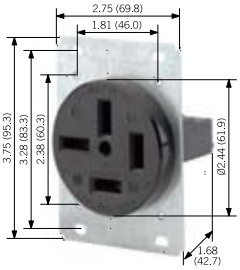
8450



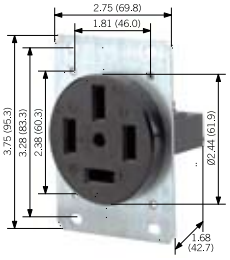
8452-P

LEVITON

Industrial Grade



8350



8360



8362-P

4-Pole 4-Wire Non-Grounding

Description	Cat. No.	Cat. No.	Wallplate Information
NEMA	 18-20R	 18-20P	
Rating	**20A-120/208V 3ØY**		
Flush Mount Receptacle	7250-FR		Fits any standard single gang receptacle plate with 1.41" diameter center hole.
Straight Plug		7251-C	
NEMA	 18-30R	 18-30P	
Rating	**30A-120/208V 3ØY**		
Flush Mount Receptacle	8330		Fits any wallplate with 2.465" diameter center hole
Angle Plug		8332-P	
NEMA	 18-50R	 18-50P	
Rating	**50A-120/208V 3ØY**		
Flush Mount Receptacle	8350		Fits any wallplate with 2.465" diameter center hole
Angle Plug		8352-P	
NEMA	 18-60R	 18-60P	
Rating	**50A-120/208V 3ØY**		
Flush Mount Receptacle	8360		Fits any wallplate with 2.465" diameter center hole
Angle Plug		8362-P	

TESTING AND CODE COMPLIANCE

- Meets NEMA WD-6, ANSI C-73 requirements
- UL 498 Listed Receptacles (File #E-13393); Matching Plugs (File #E-13393), (File #E-3810)
- CSA Certified Receptacles (File #152105) Receptacles for Recreational Vehicles (File #2781) and Matching Plugs (File #LR-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: Receptacles: -40°C to 75°C Angle Plugs: -40°C to 60°C

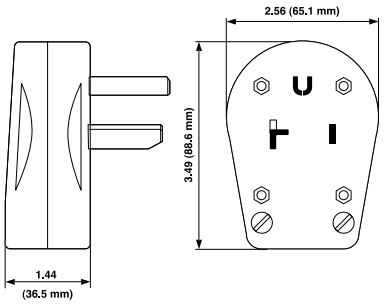
MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Product I.D.: Ratings are permanently stamped on device
Terminal Accomm: Up to #14-#6 AWG
Cord Grip Range: Receptacle: .625"-1.375"

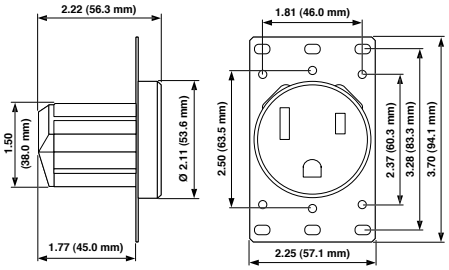
ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 50 cycles at 150% of rated current for both AC and DC per UL 498

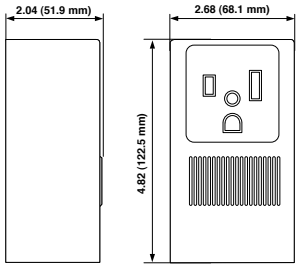
DIMENSIONS



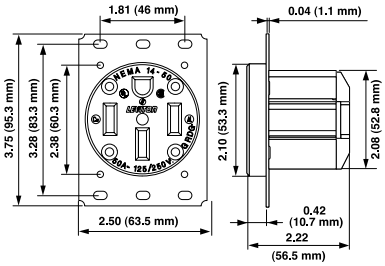
930, 931, 287-T, 275-T



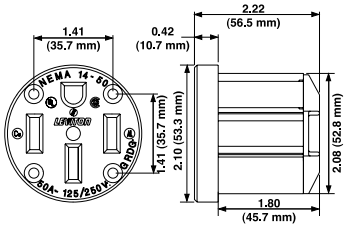
5373,5374, 5373-IG, 9750



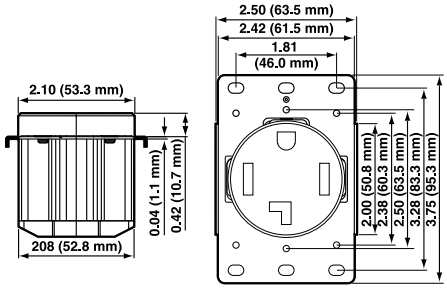
5378



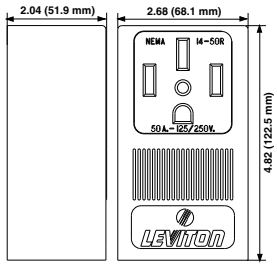
279



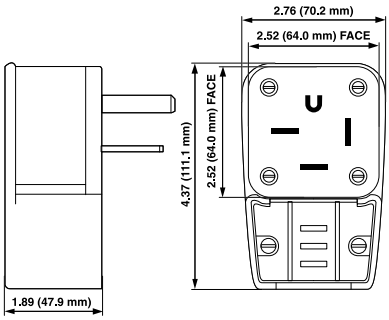
279-PM



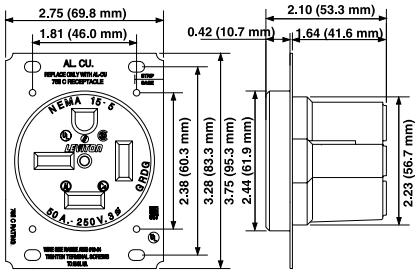
30A Flush mount, Grounded Receptacle



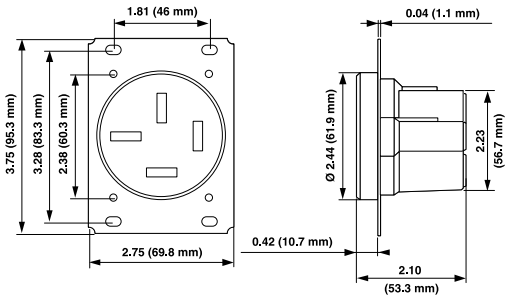
5050,55050



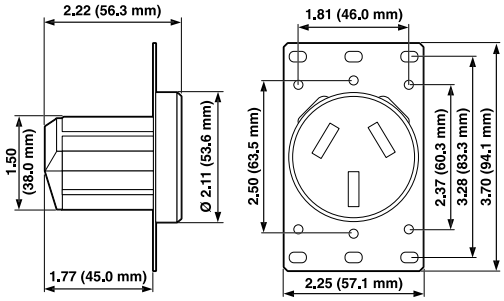
8462-P



8450, 8450-IG



8350, 8360, 8460, 8460-IG, 9460



30A 3-Pole, 3-Wire Non-grounded Receptacle

Heavy-Duty Industrial Grade Receptacles

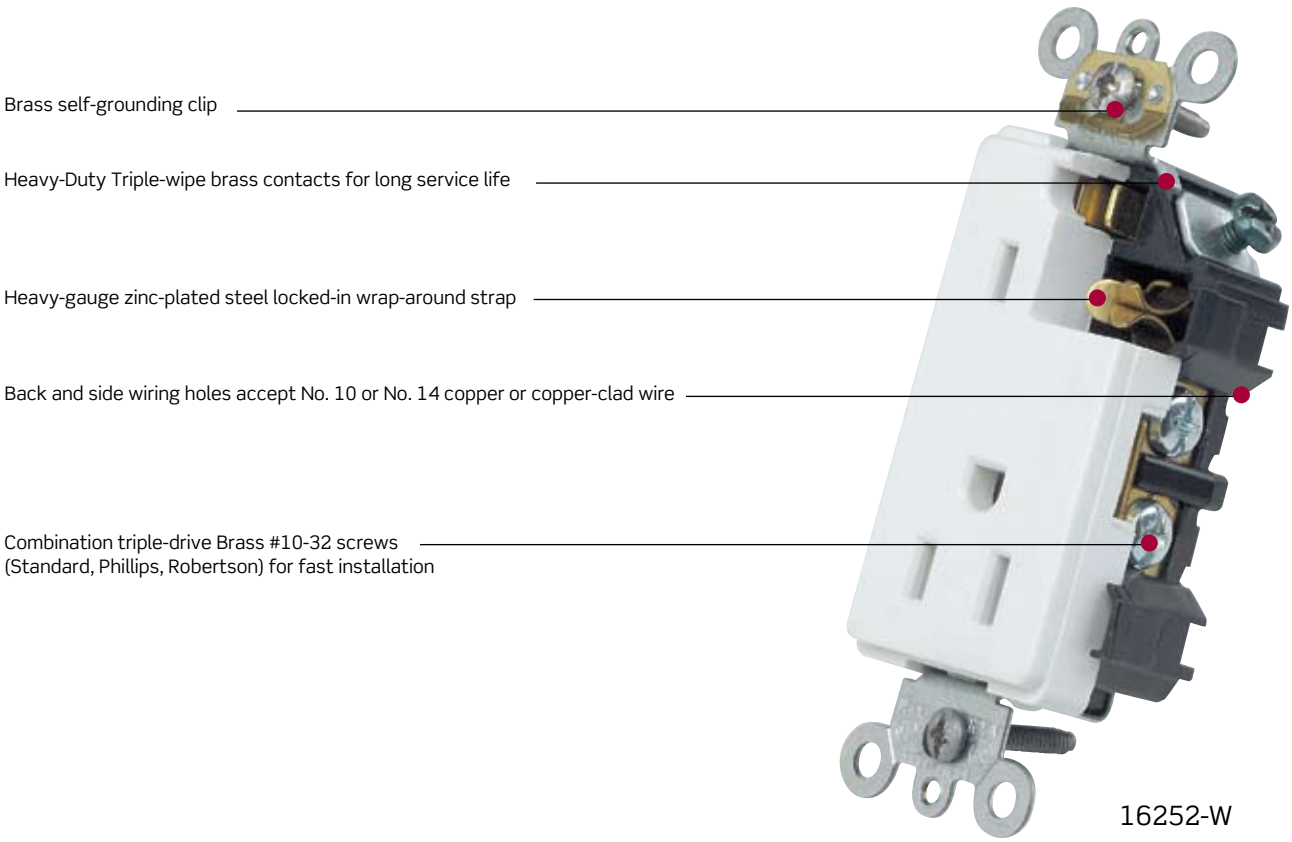
Leviton's line of Heavy-Duty Industrial Grade receptacles are available with a number of wiring options and features. The beauty, durability and versatility of Decora® devices and surge supression receptacles are perfect for a variety of industrial applications.

Specifications and Features

- Engineered for fine appearance and top performance in demanding commercial and institutional applications using a durable, thermoplastic face and impact-resistant construction
- Shallow design for maximum wiring room in wallbox
- Back Wire and Side Wire terminal wiring options for ease of installation
- Heavy-gauge zinc-plated steel locked-in wrap-around strap
- Triple-wipe brass contacts for long service life
- Exclusive V-shaped, serrated back wiring clamps for superior contact and conductivity
- Available in an array of colors to coordinate with any interior
- Backed by a Limited Ten-Year Warranty

Decora Plus™ Back and Side Wired/Wire Lead Receptacles

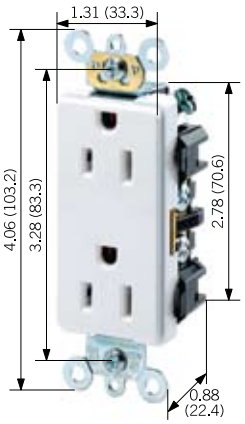
- Back Wire and Side Wire terminal options
- Heavy-gauge zinc-plated steel locked-in wrap around strap
- Terminal screws accept up to No. 10 copper or copper-clad wire, solid or stranded
- Back wire terminals accept up to No. 10 copper or copper-clad wire, solid or stranded
- Labor-saving self-grounding clip
- Heavy-duty triple-wipe brass contacts for long service life
- Impact-resistant thermoplastic construction
- Back and side wiring terminals permit fast installation of up to No. 10 solid or stranded conductors
- Triple-wipe copper alloy contacts ensure maximum conductivity



16252-W

DECORA PLUS™ HEAVY-DUTY SPEC GRADE RECEPTACLES

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	5-20R	6-15R	6-20R
Rating		**15A-125V**	**20A-125V**	**15A-250V**	**20A-250V**
Duplex	White	16262-W	16362-W	16662-W	16462-W
	Ivory	16262-I	16362-I	16662-I	16462-I
	Light Almond	16262-T	16362-T	—	—
	Gray	16262-GY	16362-GY	—	—
	Black	16262-E	16362-E	—	—
	Brown	16262	16362	—	—
Duplex, with 6" wire leads	White	16252-LW	16352-LW	—	—
	Ivory	16252-LI	16352-LI	—	—
	Almond	16252-LA	16352-LA	—	—
	Gray	16252-LGY	16352-LGY	—	—
	Black	16252-LE	16352LE	—	—
	Brown	16252-L	16352-L	—	—



16262-W

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

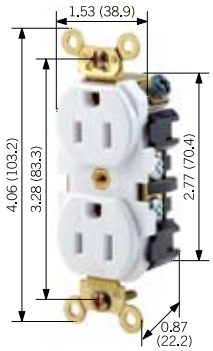
ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

HORSEPOWER
15A - 125V — ½
15A - 250V — 1½
20A - 125V — 1
20A - 250V — 2

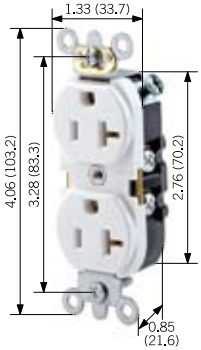
Spec Grade Receptacles, Back and Side Wired/Wire Lead

Specifications and Features

- Impact-resistant thermoplastic nylon cover and body
- Smooth face does not collect dirt
- Four corner latches securely fasten face
- Single-piece brass mounting strap on Extra Heavy-Duty devices, multi-piece steel strap on Heavy-Duty devices
- Large, triple-wipe, brass "T" contacts for superior contact and conductivity
- Back and side-wiring options
- Brass terminal screws to reduce conductor oxidation
- Break-off tabs for easy two-circuit conversion
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact and conductivity
- Wire lead receptacles for fast and easy installation
- Backed by a Limited 10-Year Warranty



5262-W

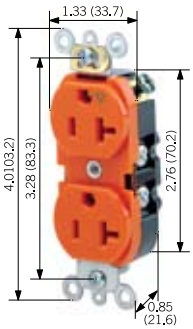


5362-SW

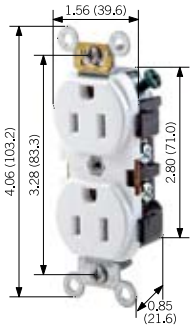
Back and Side Wired, Self-Grounding, Fed Spec

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Extra Heavy-Duty	White	5262-W	—	5362-W	—
Duplex, Brass Strap	Ivory	5262-I	5662-I	5362-I	5462-I
with Integral Ground	Gray	5262-GY	—	5632-GY	5462-GY
Contacts	Black	5262-E	—	5362-E	—
	Brown	5262	5662	5362	5462
	Red	5262-R	—	5362-R	—
Heavy-Duty Single	White	5261-W	—	5361-W	5461-W
	Ivory	5261-I	5661-I	5361-I	5461-I
	Light Almond	—	—	5361-T	5461-T
	Gray	5261-GY	—	5361-GY	5461-GY
	Black	—	—	5361-E	—
	Brown	5261	5661	5361	5461
	Red	5261-R	—	5361-R	5461-R
Heavy-Duty Duplex	White	5252-W	—	5352-W	—
	Ivory	5252-I	—	5352-I	—
	Light Almond	5252-T	—	5352-T	—
	Gray	5252-GY	—	5352-GY	—
	Black	5252-E	—	5352-E	—
	Brown	5252	—	5352	—
	Red	5252-R	—	5352-R	—
	Blue	5252-BU	—	5352-BU	—
Single, Clock Hanger	Stainless Steel	5261-CH	—	5361-CH	—

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Heavy-Duty Spec Grade Duplex	White	5262-SW	—	5362-SW	—
	Ivory	5262-SI	—	5362-SI	—
	Almond	5262-SA	—	5362-SA	—
	Light Almond	5262-ST	—	5362-ST	—
	Grey	5262-SGY	—	5362-SGY	—
	Black	5262-SE	—	5362-SE	—
	Brown	5262-S	—	5362-S	—
	Red	5262-SR	—	5362-SR	—
	Blue	5262-SBU	—	5362-SBU	—
Heavy-Duty Spec Grade, Duplex, with 6" wire leads	White	5262-LW	—	5362-LW	—
	Ivory	5262-LI	—	5362-LI	—
	Light Almond	—	—	5362-LT	—
	Grey	5262-LGY	—	5362-LGY	—
	Black	5262-LE	—	5362-LE	—
	Brown	5262-L	—	5362-L	—
	Red	5262-LR	—	5362-LR	—
Heavy-Duty Spec Grade Duplex, with 6" wire leads, no ground led and self grounding clip	White	5262-CW	—	5362-CW	—
	Ivory	5262-CI	—	5362-CI	—
	Grey	5262-CG	—	5362-CG	—



5362-IG



5242-W

Back and Side Wired, Isolated Ground, Fed Spec

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Heavy-Duty Spec Grade, Duplex	White	5262-IGW	—	5362-IGW	—
	Ivory	5262-IGI	—	5362-IGI	—
	Light Almond	5262-IGT	—	5362-IGT	—
	Gray	5262-IGG	—	5362-IGG	—
	Brown	5262-IGB	—	5362-IGB	—
	Red	5262-IGR	—	5362-IGR	—
	Blue	—	—	5362-BIG	—
	Orange	5262-IG	5662-IG	5362-IG	5462-IG
Single	Orange	5261-IG	—	5361-IG	—

Industrial Grade

Side Wired, Fed Spec

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		 5-15R	 6-15R	 5-20R	 6-20R
Rating		**15A–125V**	**15A–250V**	**20A–125V**	**—**
Heavy-Duty Spec Grade, Duplex	White	5242-W	—	5342-W	—
	Ivory	5242-I	—	5342-I	—
	Grey	5242-GY	—	5342-GY	—
	Brown	5242	—	5342	—
	Red	5242-R	—	5342-R	—
Single	White	—	5651-W	—	—
	Ivory	5251-I	5651-I	5351-I	—
	Brown	5251	5651	5351	—

Dual Voltage, Back and Side Wired

Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 6-15R
Rating		**15A–125V**	**15A–250V**
Heavy-Duty Spec Grade, Duplex	Ivory	5292-I	
	Brown	5292	

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

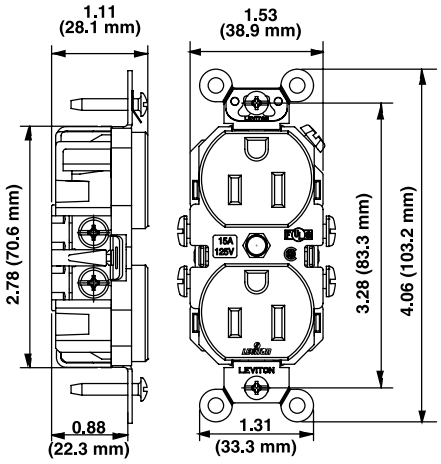
MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

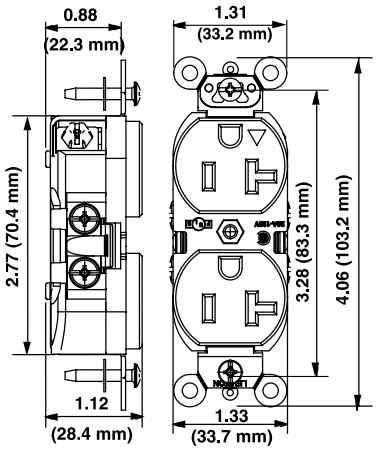
ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

HORSEPOWER
15A - 125V — ½
15A - 250V — 1½
20A - 125V — 1
20A - 250V — 2

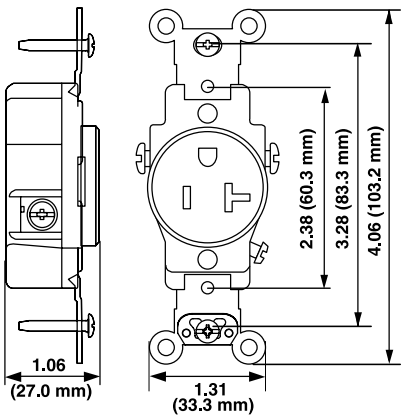
DIMENSIONS



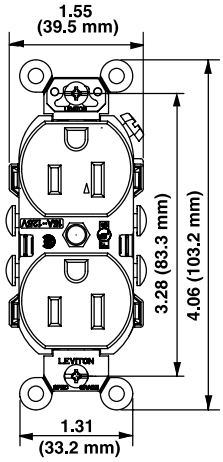
5262, 5362



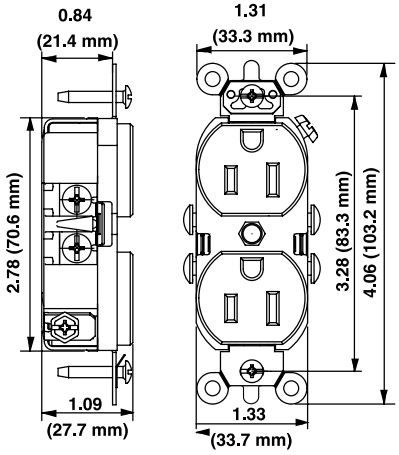
5262-IG, 5662-IG,
5362-IG, 5462-IG



5261, 5661,
5361, 5461



5252, 5352,
5462, 5662



5262-S, 5362-S

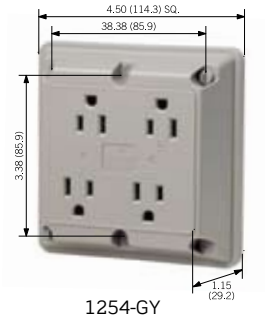
LEVITON

Industrial Grade

Extra Heavy-Duty Four-In-One

Specifications and Features

- Terminal wiring screws fit inside a standard single gang wallbox; adapter plate not required (optional)
- Impact Resistant nylon cover and base for strength and resistance to chemicals and corrosives
- Easy-to-read voltage and amperage rating molded onto smooth face; easy to clean surface
- Extra Heavy-Duty, T-type triple-wipe bronze contacts for maximum performance
- Ground holes configured up or down to be outside the device, accommodating up to 4 Fed Spec size straight or angle plugs
- No. 8 terminal screws accept up to No. 12 solid or stannded copper wire
- Termination anchor holes for easy conductor wiring
- Exclusive shield-wall design protects ground connection from contact with live circuit conductors
- "A" and "B" molded on face and back for easy identification of receptacle pairs for split-circuit conversion (Note: Split circuit not available on surge models)
- Convenient Built-in strip gauge



1254-GY

2-Pole, 3-Wire Grounding

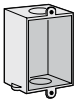
Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A-250V**	**20A-125V**
Four-In-One	White	1254-W	21254-W
	Ivory	1254-I	21254-I
	Grey	1254-GY	21254-GY
	Brown	1254	21254
	Red	1254-R	21254-R
	Yellow	—	21254-Y

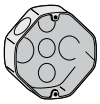
NOTE: Portable Boxes 4254 and Adapter Plates 3254 (not UL Listed), can be found on page 536. UL Listing does not apply when Four-in-One Receptacles are used with portable boxes for extension cord applications.

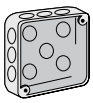
Related Products
For Four-In-One Industrial Grade Surge Devices **see page 600.**

FOUR-IN-ONE RECEPTACLE WALLBOX MOUNTING

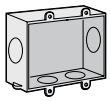
Mounts Directly

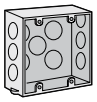

Single-Gang


4" Octagonal


4" Square

Mounts with Adapter Plate


2-Gang


$4^{11}/_{16}$" Square

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

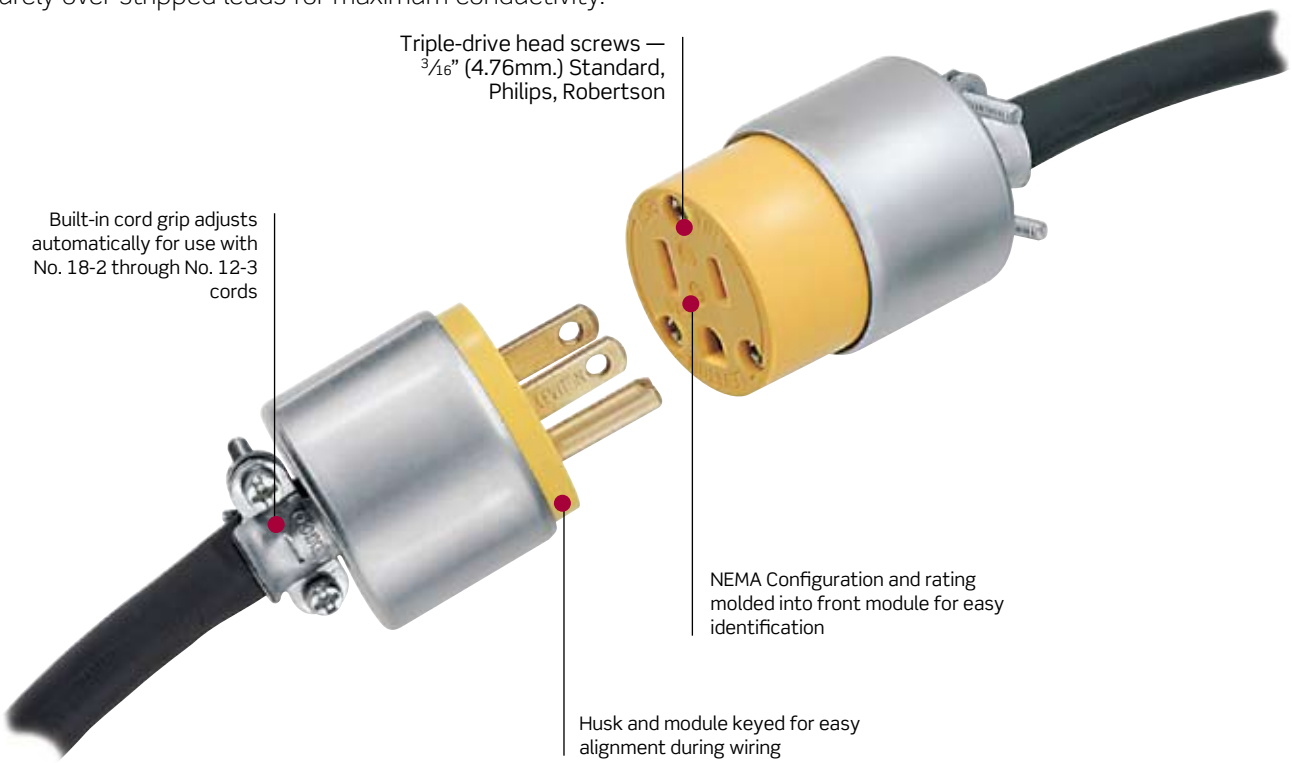
MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#12 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 50 cycles overload at 150% of rated current for both AC and DC per UL 498

HORSEPOWER
15A - 125V — $^1/_2$
15A - 250V — $1^1/_2$
20A - 125V — 1
20A - 250V — 2

Commercial Plugs and Connectors

Leviton offers a large selection of 15, 20, 30 and 50 Amp Commercial Grade Straight Blade Plugs and Connectors, available in a wide variety of features. These rugged performers are moisture, chemical and abuse-resistant, And they're ideal for indoor and outdoor use. Our EPTR rubber-backed plugs and connectors stand up to rough use, protecting against dirt and moisture. The deep-slotted, backed-out terminal screws draw backwire clamps securely over stripped leads for maximum conductivity.



Specifications and Features

- Triple-drive head screws — Standard, Philips, Robertson
- NEMA configuration number & rating molded on face of device for easy identification
- Rubber body is dirt and moisture resistant
- Deep-slotted, backed out terminal screws draw backwire clamps securely for maximum conductivity
- Husk & module keyed for easy alignment during wiring
- Built-in cord grip adjusts automatically for use with No. 18-3 through No. 12-3 cords (.245"–.655")
- Motor Base Inlet accepts No. 10 max. copper or copper clad wire

PVC Plugs & Connectors

- Rugged PVC body resists moisture and chemicals; suited for outdoor cords
- Unique dimpled body design provides a secure grip
- Speed-thread assembly screws tighten with just a few quick turns

Armored Plugs & Connectors

- Ideal for shops, garages and rough-duty work with hard floors
- Two piece strain-relief clamp center cord for neat installation

Rubber-Back Plugs & Connectors

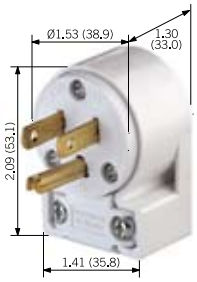
- Designed to stand up to rough use
- No internal metal parts exposed
- Elastomeric husk provides added protection against dirt and moisture entry into the back wire port
- Designed to operate in the widest possible temperature range

2-Pole, 3-Wire Grounding

Description	Color	Cat. No. Plug	Cat. No. Connector	Cat. No. Plug	Cat. No. Connector
NEMA		5-15P	5-15R	6-15P	6-15R
Rating		**15A-125V**	**15A-125V**	**15A-250V**	**15A-250V**
PVC Grounding	Yellow	515PV	515CV	615PV	—
Armored Grounding	Yellow/Steel Armor	515PA	515CA	615PA	615CA
Rubber Grounding	Black	515PR	515CR	—	—
PVC Angle	White	515AN	—	—	—
Motor Base Inlet	Black	5239	—	5240	—
NEMA		5-20P	5-20R	6-20P	6-20R
Rating		**20A-125V**	**20A-125V**	**20A-250V**	**20A-250V**
PVC Grounding	Yellow	520PV	520CV	620PV	620CV
Armored Grounding	Yellow/Steel Armor	520PA	520CA	620PA	620CA



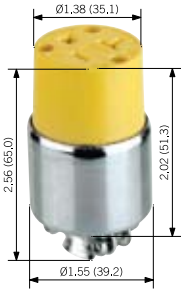
515CV



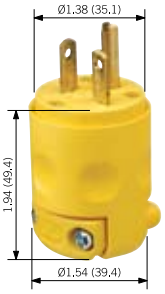
515AN



5239



520CA



620PV



620PR

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13393)
- CSA Certified (File #L-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #18-#12 AWG
Product I.D.: Ratings and NEMA I.D. are permanently stamped on device
Cord Grip Range: .245"-.700"

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 50 cycles overload at 150% of rated current for both AC and DC per UL 498

Commercial Grade

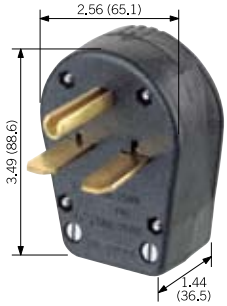
Dual Power Attachment Plugs

Specifications and Features

- Tough thermoplastic shell for long life
- Shell and bottom are hinged in front for ease of assembly
- Solid brass blades with color-coded terminals simplify wiring
- Each dual combination plug supplied with 30A blades and flat 50A blade
- Dead front right angle construction
- Interchangeable blades eliminate need for stocking different devices
- Built-in rejection feature prevents closure if blades are incorrectly positioned
- Versatile cord clamp suitable for use with Nos. 14, 12, 10, 8 and 6 AWG round cord and Nos. 10/3 SRDT, 8/2-10/1 SRDT and 6/2-8/1 flat wire
- Wiring stripping gauge molded into plug cover
- Backed by a Limited Ten-Year Warranty



930



931

DUAL POWER ATTACHMENT PLUGS

Description	Color	Cat. No. Plug
NEMA		5-30P 5-50P
Rating		**30A–125V/50A-125V**
Vinyl Angle Plug Interchangeable Blades Cord Dia. Range .630"–1.050"	Black	930
NEMA		6-30P 6-50P
Rating		**30A–250V/50A-250V**
Vinyl Angle Plug Interchangeable Blades Cord Dia. Range .630"–1.050"	Black	931
NEMA		10-30P 10-50P
Rating		**30A–250V/50A-250V**
Vinyl Angle Plug Interchangeable Blades Cord Dia. Range .687"–1.050"	Black	287-T
NEMA		14-30P 14-50P
Rating		**30A–125/250V/50A-125/250V**
Vinyl Angle Plug Interchangeable Blades Cord Dia. Range .750"–1.125"	Black	275-T
NEMA CONFIG		
NEMA		ANSI C73.13 TT-30P
Rating		**30A–125V 2-Pole 3-Wire Grounding**
Travel Trailer Vinyl Angle Plug for use with 7313 Receptacle Cord Dia. Range .687"–.875"	Black	830-T

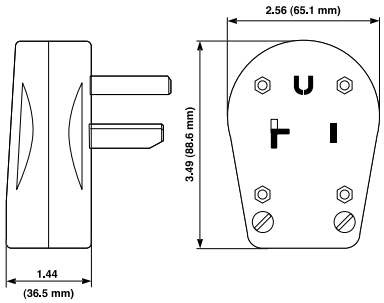
TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13393)
- CSA Certified (File #L-406)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#6 AWG
Product I.D.: Ratings and NEMA I.D. are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 50 cycles overload at 150% of rated current for both AC and DC per UL 498

DIMENSIONS



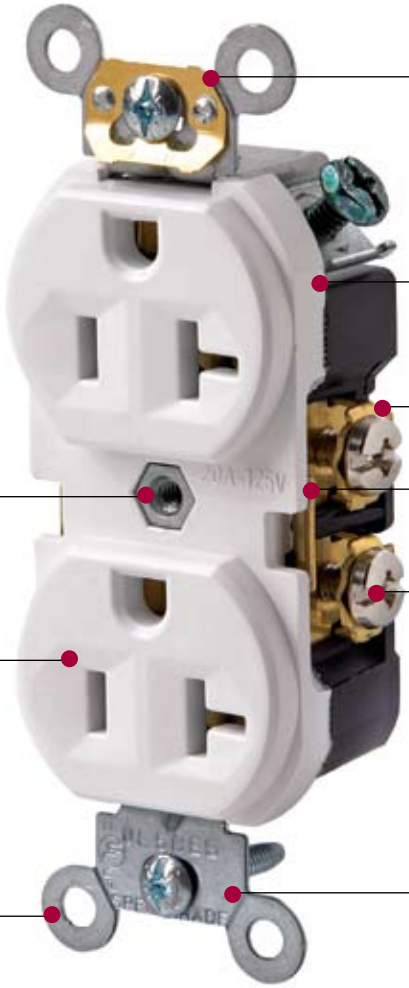
930, 931, 287-T, 275-T

Commercial Spec Grade Receptacles

Leviton offers a large selection of 15 and 20 Amp Commercial Spec Grade receptacles, including Decora® devices available in a wide variety of colors, wiring options and other features. Leviton's Commercial Receptacles are manufactured to withstand the demands of commercial and institutional applications. These commercial receptacles provide long-lasting service life and are a cost-saving alternative to the industrial devices.

Features and Benefits

- Manufactured to withstand the demands of commercial and institutional applications
- Heavy-Duty Brass Power contacts for maximum conductivity and plug retention
- Shallow design for maximum wiring room in box
- UL Listed 498 (UL File #E-13399)
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD-1 & 6, and ANSI standards
- Backed by a Limited Ten-Year Warranty
- All commercial side-wired receptacles have #8-32 triple combination head terminal screws
- All commercial back and side-wired receptacles have #10-32 triple combination head terminal screws



Self-grounding clip staked on, will never fall off

Face locked into base

External clamp type, back wiring

Zinc die-cast bushing for additional assembly security

Easily accessible break-off tabs when split feed wiring is required; allows easy two-circuit conversion

Exclusive brass #10-32 triple combination combines Phillips, Robertson, Slotted screw heads for fast installation; backed out and staked, accept No. 10 copper or copper-clad wire

Base and face made of high impact thermoplastic

Heavy duty wraparound mounting strap locked into body

Convenient washer-type break-off plaster ears for best flush alignment

Back-wiring clamps accept up to No. 10 solid or stranded copper wire

BR20 shown

Related Products

Leviton offers a complete line of Commercial Grade SmartLockPro® GFCI receptacles.

See page 153 for more information.

Decora Plus™ Receptacles

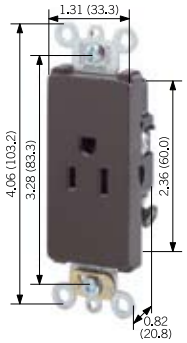
Specifications and Features

- Back Wire and Side Wire terminal options
- Heavy-gauge zinc-plated steel locked-in wraparound strap
- Back wire terminals accept up to No. 10 copper or copper-clad wire, solid or stranded
- Brass staked on self-grounding clip
- Heavy-duty triple-wipe brass contacts for long service life
- Impact-resistant thermoplastic construction

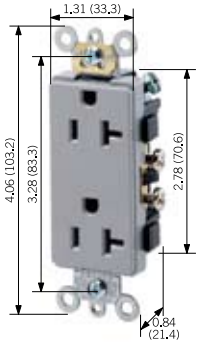
DECORA PLUS

Heavy-Duty Back and Side Wired, Self-Grounding

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Duplex, Tamper Resistant	White	TDR15-W		TDR20-W	
	Ivory	TDR15-I		TDR20-I	
	Light Almond	TDR15-T		TDR20-T	
	Grey	TDR15-GY		TDR20-GY	
	Black	TDR15-E		TDR20-E	
	Brown	TDR15		TDR20	
Duplex	White	16252-W	16662-W	16352-W	16462-W
	Ivory	16252-I	16662-I	16352-I	16462-I
	Light Almond	16252-T	—	16352-T	—
	Grey	16252-GY	—	16352-GY	—
	Black	16252-E	—	16352-E	—
	Brown	16252	—	16352	—
Single	White	16251-W	16651-W	16351-W	16451-W
	Ivory	16251-I	16651-I	16351-I	16451-I
	Brown	16251	—	16351	—
NEMA		5-15R	6-15R		
Rating		**15A-125V/15A-250V**			
Duplex, Dual Voltage	White	16292-W			
	Ivory	16292-I			



16251



16342-GY

DECORA PLUS™ SPEC GRADE RECEPTACLES

Side Wired, Self-Grounding

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		15A-125V	15A-250V	20A-125V	20A-250V
Duplex, Tamper Resistant	White	DR15S-W	—	—	—
	Ivory	DR15S-I	—	—	—
	Light Almond	DR15S-T	—	—	—
	Grey	DR15S-GY	—	—	—
	Black	DR15S-E	—	—	—
	Brown	DR15S	—	—	—
Duplex	White	16242-W	—	16342-W	—
	Ivory	16242-I	—	16342-I	—
	Grey	—	—	16342-GY	—
	Black	16242-E	—	16342-E	—
	Brown	16242	—	16342	—
Single	White	16241-W	16641-W	16341-W	16441-W
	Ivory	16241-I	16641-I	16341-I	16441-I
	Light Almond	—	—	16341-T	16441-R
	Grey	—	—	16341-GY	—
	Black	—	—	16341-E	—
	Brown	—	—	16341	—

† Self-grounding when installed in a properly grounded metal wallbox.

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 250 cycles overload at 200% of rated current

HORSEPOWER
15A - 125V — ½
15A - 250V — 1½
20A - 125V — 1
20A - 250V — 2

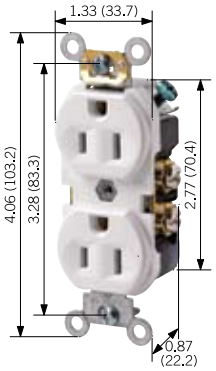
Commercial Spec Grade Receptacles

Specifications and Features

- Large-head, triple-drive terminal screws, backed out and staked, accept No. 10 copper or copper clad wire
- Back-wiring clamps accept up to No. 10 copper or copper-clad wire
- Heavy-Duty brass power contacts for maximum conductivity and plug retention
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room in box
- Convenient washer-type break-off plaster ears for best flush alignment
- Captive mounting screws for fast installation
- Break-off tabs on duplex receptacles for easy two circuit conversion
- Backed by a Limited Ten-Year Warranty

Back and Side Wired, Self-Grounding

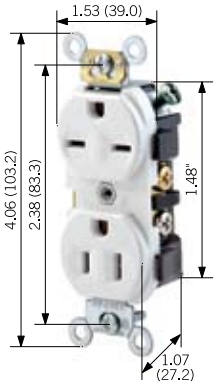
Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		15A-125V	15A-250V	20A-125V	20A-250V
Duplex, Tamper Resistant	White	TBR15-W	—	TBR20-W	—
	Ivory	TBR15-I	—	TBR20-I	—
	Light Almond	TBR15-T	—	TBR20-T	—
	Grey	TBR15-GY	—	TBR20-GY	—
	Black	TBR15-E	—	TBR20-E	—
	Brown	TBR15	—	TBR20	—
Duplex	White	BR15-W	—	BR20-W	—
	Ivory	BR15-I	—	BR20-I	5824-I
	Light Almond	BR15-T	—	BR20-T	—
	Grey	BR15-GY	—	BR20-GY	—
	Black	BR15-E	—	BR20-E	—
	Brown	BR15	—	BR20	5824
Duplex, Weather Resistant	White	WBR15-W	—	WBR20-W	—
	Yellow		—	WBR20-Y	—
Single	White	—	—	5891-W	—
	Ivory	5088-I	5089-I	—	5823-I
	Brown	5088	—	5891	5823



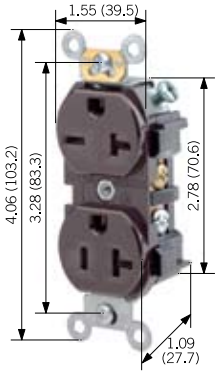
BR15-W

Dual Voltage, Back and Side Wired, Self-Grounding

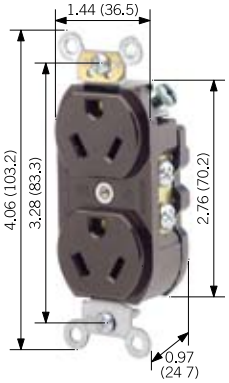
Description	Color	Cat. No.	
NEMA		5-20R	6-20R
Rating		20A-125V/20A-250V	
Duplex	Ivory	5844-I	
	Brown	5844	



5031-W



5844



5585

Dual Voltage, Side Wired, Self-Grounding

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R / 6-15R	5-20R / 6-20R
Rating		**15A-125V/15A-250V**	**20A-125V/20A-250V**
Duplex	White	5031-W	—
	Ivory	5031-I	5842-I
	Brown	5031	5842

Back and Side Wired, AC Grounding

Description	Color	Cat. No.
NEMA		7-15R
Rating		**15A-277V AC**
Duplex	Brown	5585

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements

- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 100 cycles overload at 150% of rated current for both AC and DC as per UL 498

HORSEPOWER

15A - 125V — 1/2
15A - 250V — 1 1/2
20A - 125V — 1
20A - 250V — 2

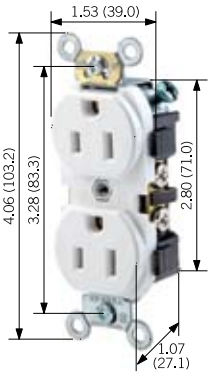
Commercial Spec Grade

Specifications and Features

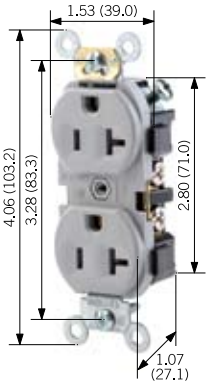
- Large-head terminal screws, backed out and staked, accept No. 10 copper or copper-clad wire
- Heavy-Duty brass power contacts for maximum conductivity and plug retention
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room in box
- Convenient washer-type break-off plaster ears for best flush alignment
- Captive mounting screws for fast installation where applicable

Side Wired, Self-Grounding

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		5-15R	6-15R	5-20R	6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Duplex, Tamper Resistant	White	CR15S-GW	—	—	—
	Ivory	CR15S-GI	—	—	—
	Light Almond	CR15S-GT	—	—	—
	Grey	CR15S-GG	—	—	—
	Brown	CR15S-G	—	—	—
Duplex, Tamper and Weather Resistant	White	TWR15-W	—	TWR20-W	—
	Gray	TWR15-GY	—	TWR20-GY	—
Duplex	White	CR15-W	—	CR20-W	5822-W
	Ivory	CR15-I	5028-I	CR20-I	5822-I
	Light Almond	CR15-T	—	CR20-T	—
	Grey	CR15-GY	—	CR20-GY	—
	Black	CR15-E	—	CR20-E	—
	Brown	CR15	5028	CR20	5822
Duplex, Smooth Face	White	CR015-W	—	CR020-W	—
	Ivory	CR015-I	—	CR020-I	—
	Grey	CR015-GY	—	CR020-GY	—
	Black	CR015-E	—	CR020-E	—
	Brown	CR015	—	CR020	—
Duplex, on 4" Cover*	Zinc Plated	5042	—	—	—
Duplex, with Pigtail Leads*	White	5040-W	—	5340-W	—
	Ivory	5040-I	—	5340-I	—
	Grey	—	—	5340-GY	—
	Brown	—	—	5340	—
Duplex, with 6" wire leads, no ground lead and self-grounding clip	White	5040-CW	—	5340-CW	—
	Ivory	5040-CI	—	5340-CI	—
	Grey	5040-CG	—	5340-CG	—



CR15-W



CR20-GY

CSA certified except where indicated by *
Cross Reference to Power Devices Section for Side Wired, Non-Grounding Single (Double Swipe) Receptacle 5032 with matching plug 9151-N.

Continued On Next Page >

Commercial Grade

Continued From Previous Page >

Description	Color	Cat. No.	Cat. No.	Cat. No.	Cat. No.
NEMA		 5-15R	 6-15R	 5-20R	 6-20R
Rating		**15A-125V**	**15A-250V**	**20A-125V**	**20A-250V**
Single, Tamper Resistant	White	T5015-W	—	T5020-W	—
	Ivory	T5015-I	—	T5020-I	—
	Light Almond	T5015-T	—	T5020-T	—
	Grey	T5015-GY	—	T5020-GY	—
	Black	T5015-E	—	T5020-E	—
	Brown	T5015	—	T5020	—
Single	White	5015-W	5029-W	5801-W	5821-W
	Ivory	5015-I	5029-I	5801-I	5821-I
	Light Almond	5015-T	—	5801-T	5821-T
	Brown	5015	5029	5801	5821
Single, on 4" Cover	Zinc Plated	5059	—	—	—
Single, short strap, 8-32 tapped mounting holes on 1 3/4" Centers	Black	5258-SS	5658-SS	5558-SS	5458-SS

CSA certified except where indicated by *.
Cross Reference to Power Devices Section for Side Wired, Non-Grounding Single (Double Swipe) Receptacle 5032 with matching plug 9151-N.

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 100 cycles overload at 150% of rated current for both AC and DC as per UL 498

HORSEPOWER
15A - 125V — 1/2,
15A - 250V — 1 1/2,
20A - 125V — 1
20A - 250V — 2

Floor Box Assembly

Specifications and Features

- Complies with NEC 370-27(b)
- All-in-one, ready-to-wire unit provides quick, easy installation
- Plate gasket and O-ring combine to seal out moisture and contaminants
- Thick brass plate and screw cap resist abuse and prevent contaminant from entering device
- Durable thermoplastic receptacle face and body resist breakage
- Brass screw cap threaded to fit flush to plate
- Backed by a Limited Ten-Year Warranty

FLOOR BOX ASSEMBLY

Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A–125V**	**20A–125V**
Duplex, Tamper Resistant	Brass	25249-TFB	—
	Nickel Plated	25249-TFN	—
Duplex	Brass	25249-FBA	25349-FBA
	Nickel Plated	25249-SBA	—
Single	Brass	5249-FBA	5349-FBA
Single Display Receptacle with Solid Brass Plate	Brass	5250	—
Floorbox Replacement Screw Cap with O-Ring—Single	Brass	5249-CAP	—
Floorbox Replacement Screw Cap with O-Ring—Duplex	Brass	25249-CAP	—



5249-FBA

QUICKPORT® SNAP-IN JACKS AND MODULES WITH BRASS FLOORPLATE

Description	Color	Cat. No.
Floor Jack Housing with Brass Plate and 6-Conductor Jack	Brass	41650-6
Floor Jack Housing with Brass Plate and Coaxial F-Connector	Brass	41650-F
Duplex Floor Jack Housing with Brass Plate and 6-Conductor Jack	Brass	41652-6
Floor Jack Housing with Brass Plate and Coaxial F-Connector	Brass	41652-6F
Floor Jack Housing Only, 1 blank filler provided	Brass	41652-000

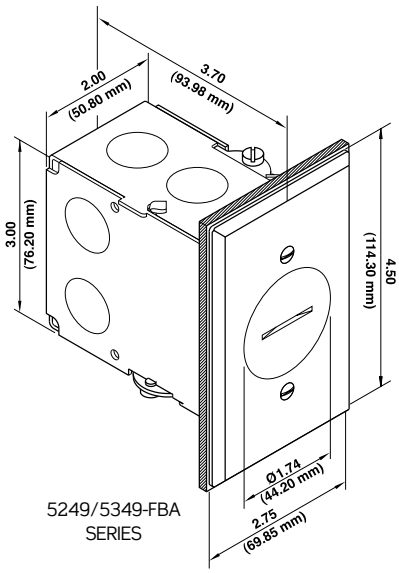
TESTING AND CODE COMPLIANCE
- UL Listed 498 (File #E-13399)
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA WD-1, and -6, and ANSI standards

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

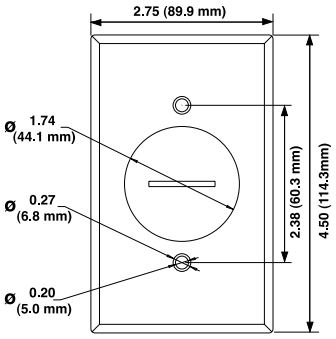
MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 100 cycles overload at 150% of rated current for both AC and DC as per UL 498

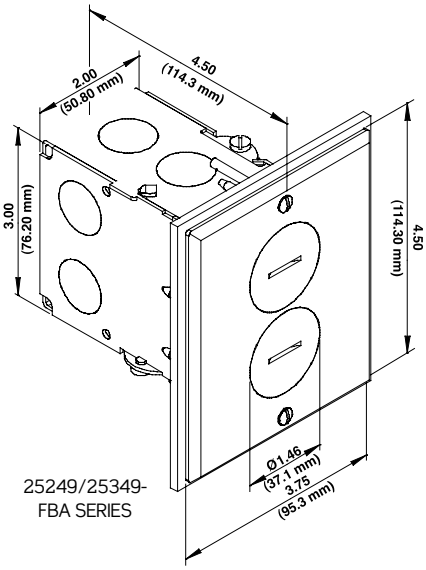
DIMENSIONS



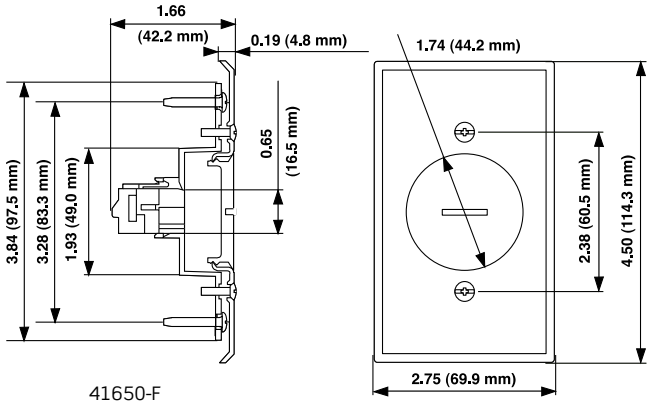
5249/5349-FBA SERIES



5250-FBA



25249/25349-FBA SERIES



41650-F

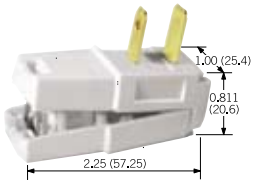
Residential Plugs and Connectors

Leviton Plugs and Connectors are rugged and easy to wire. They are offered in polarized and non-polarized versions and in all NEMA configurations.



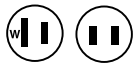
Specifications and Features

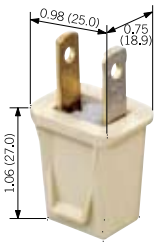
- Brass plug blades and connector contacts for maximum conductivity
- Armored devices have heavily plated steel shields and cord clamps
- Vinyl devices resist chipping, cracking, oils, grease and acids
- Rubber devices resist cold, abrasion, grease, oils, acids and impact
- Plastic devices resist grease, oils and acids
- Limited Two-Year Warranty



321-PW

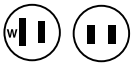
Easy Wire Plugs

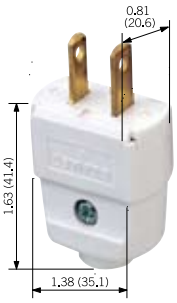
Description	Color	Cat. No.	Wire Gauge (stranded)
NEMA		 1-15P Polarized 1-15P	
Non-Polarized	White	321-W	#16/2 HPN, 15A (1875W)
	Brown	321	#18/2 HPN, 10A (1250W)
Polarized	White	321-PW	#18/2 SPT-1, 10A (1250W)
	Brown	321-P	#18/2 SPT-2, 10A (1250W)
Non-Polarized	White	123-W	#18/2 SPT-1, 10A (1250W)
	Ivory	123-I	#20/2XT, 3A (375W)
	Brown	123	
Polarized	White	123-PW	
	Ivory	123-PI	
	Brown	123-P	



123-PI

2-Pole, 2-Wire

Description	Color	Cat. No.	Wire Gauge (stranded)	Cord Dia. (Inches)
NEMA		 1-15P Polarized 1-15P		
Rating		**15A–125V**		
Polarized Light Duty Clamptite Plug	White Black Brown	101-PW 101-PE 101-P	No. 20, 18, 16 Flat or Rounded up to .250	No. 20, 18, 16 Flat or Rounded up to .250
Easy Wire Angle Plug	White Black Brown	101AN-W 101AN-E 101AN	SPT-1, SPT-2	Up to .250
Polarized Light Duty Clamptite Connector	White Black Brown	102-PW 102-PE 102-P	No. 20, 18, 16 Flat or Rounded up to .250	No. 20, 18, 16 Flat or Rounded up to .250
Non-Polarized Heavy-Duty PVC Plug	Yellow	115PV	AWG 18-2 to 12-2 Cable	.245-.655
Non-Polarized Heavy-Duty TPE Rubber Plug	Black	115PR	AWG 18-2 to 12-2 Cable	.245-.655
Non-Polarized Short Flat Vinyl Plug*	White Black Brown	48643-W 48643-E 48643	18-14	.375 max
Non-Polarized Vinyl Handle Plug with cord clamp*	Black	48646	18-14	437 max
Non-Polarized Vinyl Connector with cord clamp*	Black	612†	18-14	14 max
Non-Polarized Round Vinyl Handle Plug with spring blades*	White Black	48642-W 48642-E	18-14	.375 max



101

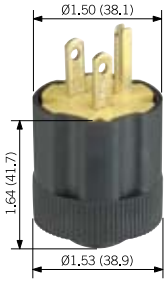


102-W

†Not UL Listed. For replacement use only.
CSA Certified except where indicated by *.

2-Pole, 3-Wire, Grounding

Description	Color	Cat. No.	Wire Gauge (stranded)	Cord Dia. (Inches)
NEMA		 5-15P 5-15R		
Rating		**15A-125V**		
Vinyl Handle Plug with cord clamp	Black	48648-E	18-14	.437 max
Vinyl Connector with steel cord clamp	Black	617-E	16 max	.437 max
Rubber Plug with vinyl inner assembly	Black	113-E	18-14	396-.562
Rubber Connector, mates with No. 113	Black	114-E	18-14	396-.562
Weatherproof Inlet on Flush Mount Wallplate with aluminum cover		4937	No. 10 max. copper or copper clad	



113



114


4937

TESTING AND CODE COMPLIANCE
- Meets NEMA requirements (1-15P)
- UL Listed (File #E-13393)
- CSA Certified
- NOM Certified (File #057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, UL-94, Rated V2
Operating Temperature: -40°C to 65°C

Residential Grade Receptacles

Leviton's comprehensive Residential Grade Receptacles portfolio includes devices rated for all residential applications in a variety of standard configurations. They are produced in an array of colors in both Decora® and traditional styles.



COLORS

White (-W) | Ivory (-I) | Almond (-A) | Light Almond (-T) | Grey (-GY) | Black (-E) | Brown

Decora® Quickwire and Side Wired Receptacles

Specifications and Features

Decora Quickwire and Side Wired Receptacles

- Terminal screws accept up to No. 12 AWG copper or copper-clad wire
- Quickwire push-in terminals accept No. 14 AWG solid copper wire only
- Double-wipe power contacts for reliable conductivity and plug retention
- Heavy-gauge zinc-plated steel mounting strap
- Limited Two-Year Warranty

Tamper-Resistant Receptacles

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement
- Ultrasonic welding, heavy-duty construction offers long, trouble-free service life

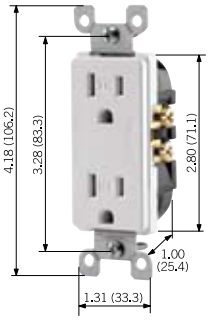
20 Amp

- Terminal Screw accepts up to No. 10 AWG Cooper

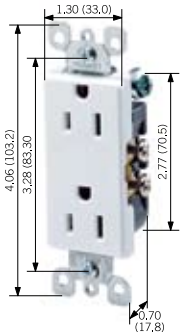
DECORA QUICKWIRE AND SIDE WIRED RECEPTACLES

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	T5325-W	
	Ivory	T5325-I	
	Almond	T5325-A	
	Light Almond	T5325-T	
	Grey	T5325-GY	
	Black	T5325-E	
	Brown	T5325	
Duplex, Tamper Resistant, self-grounding*	White	T5325-SW	
	Ivory	T5325-SI	
	Light Almond	T5325-ST	
Duplex	White	5325-W	
	Ivory	5325-I	
	Almond	5325-A	
	Light Almond	5325-T	
	Grey	5325-GY	
	Black	5325-E	
	Brown	5325	
Duplex, self-grounding*	White	5325-SW	
	Ivory	5325-SI	
	Light Almond	5325-ST	
Duplex, 8-hole Quickwire	White	5328-W	
	Ivory	5328-I	
	Almond	5328-A	
Duplex Tamper Resistant, Self-grounding*, No Quickwire	White		T5825-W
	Ivory		T5825-I
	Light Almond		T5825-T
	Grey		T5825-GY
	Black		T5825-E
	Brown		T5825

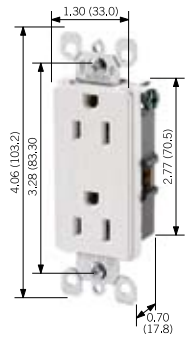
*Self-grounding when installed in a properly grounded metal wallbox.



T5325-W



5325-SW



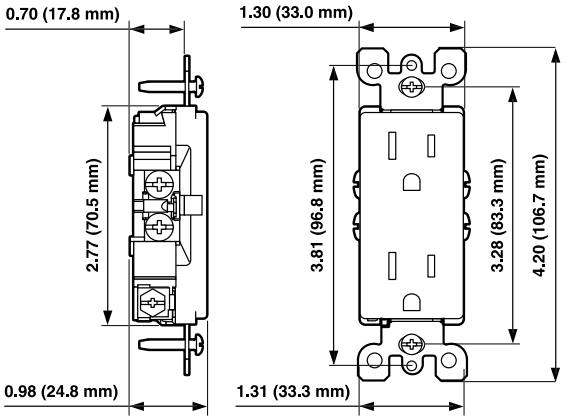
5328-W

TESTING AND CODE COMPLIANCE
- UL Listed (File# E-13399)
- CSA Certified (File #LR-406)
- NOM Certified (File #057)

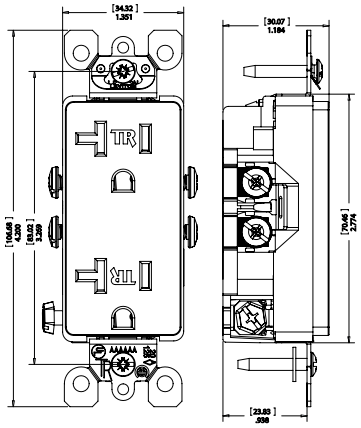
MATERIAL CHARACTERISTICS
Environmental: Flammability, UL-94, Rated V2
Operating Temperature: -40°C to 60°C

DIMENSIONS

Decora Receptacle



Decora Tamper-Resistent 20A Receptacle



Quickwire Push-In and Side Wired Receptacles

Specifications and Features

Quickwire Push-In and Side Wired Receptacles

- Terminal screws accept up to No. 12 copper or copper-clad wire
- Quickwire push-in terminals accept No. 14 solid copper wire only
- Double-wipe power contacts for maximum conductivity and plug retention
- Thermoplastic construction
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room
- Break-off plaster ears for best flush alignment
- Captive mounting screws
- Break-off tabs allow easy two-circuit conversion

Tamper-Resistant Receptacles

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement
- Ultrasonic heavy-duty construction offers long, trouble-free service life

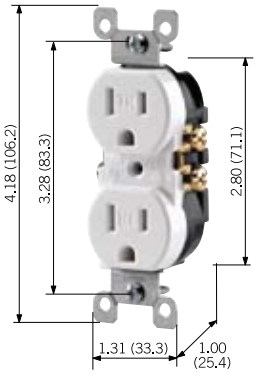
20 Amp

- Terminal Screw accepts up to No. 10 AWG Cooper

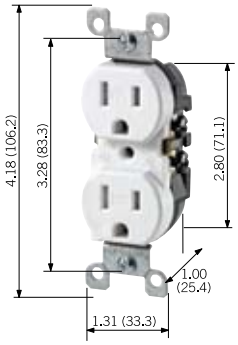
QUICKWIRE PUSH-IN AND SIDE WIRED RECEPTACLES

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**15A–125V**	**20-125V**
Duplex, Tamper-Resistant	White	T5320-W	
	Ivory	T5320-I	
	Almond	T5320-A	
	Light Almond	T5320-T	
	Black	T5320-E	
	Brown	T5320	
Duplex, Tamper Resistant, self-grounding*	White	T5320-SW	
	Ivory	T5320-SI	
	Light Almond	T5320-ST	
Duplex, Tamper Resistant and Weather Resistant	White	W5320-TW	
	Gray	W5320-TG	
Duplex	White	5320-W	
	Ivory	5320-I	
	Almond	5320-A	
	Light Almond	5320-T	
	Black	5320-E	
	Brown	5320	
Duplex, self-grounding*	White	5320-SW	
	Ivory	5320-SI	
	Almond	5320-SA	
	Light Almond	5320-ST	
	Brown	5320-S	
Duplex, 8-hole Quickwire with ground screw	White	5248-W	
	Ivory	5248-I	
	Brown	5248	
Duplex Tamper Resistant, Self-grounding*, No Quickwire	White		T5820-W
	Ivory		T5820-I
	Light Almond		T5820-T
	Grey		T5820-GY
	Black		T5820-E

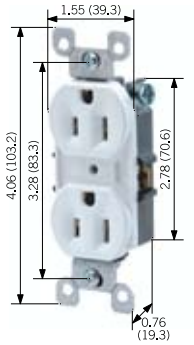
*Self-grounding when installed in a properly grounded metal wallbox.
CSA Certified except where indicated by†.
NOTE: Please consult factory for duplex receptacles, less plaster ears.



T5320-WR



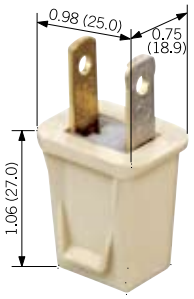
W5320-WR



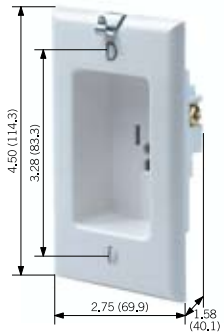
5428-W

LEVITON

Residential Grade



223-I



688-W

Side Wired

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	1-15R
Rating		**15A–125V**	**15A–125V**
Duplex, on 4" Cover	Brown	1228	
CO/ALR Duplex, UL Listed for direct connection to No. 12 or No. 10 aluminum conductors	White Ivory	12650-W 12560-I	— —
Duplex, non-grounded, plastic ears*	White Ivory Brown	— — —	223-W 223-I 223
Duplex, T-Slot, non-grounded (not UL listed; for replacement use only)*	Ivory	—	5000
Clock Hanger, Flush Mount with Square Recess with ground screw	White Ivory	688-W 688-I	— —

CSA Certified except where indicated by *.

TESTING AND CODE COMPLIANCE
- UL Listed 498
- CSA Certified (File #LR-406)
- NOM Certified (File #057)
- Meets or exceeds NEMA standards
- CO/ALR UL Listed 1561

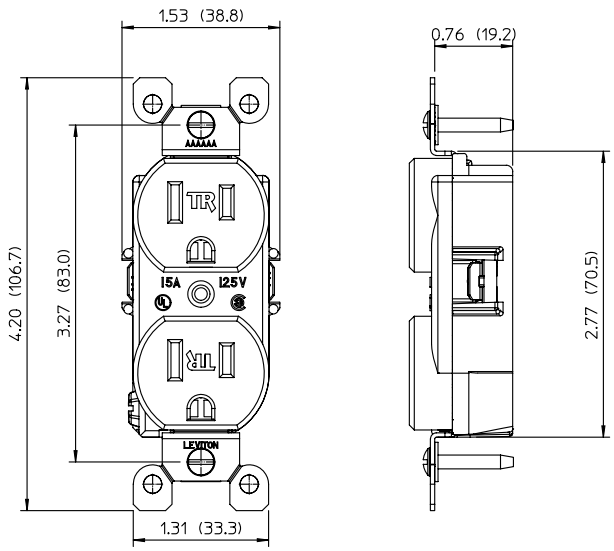
MATERIAL CHARACTERISTICS
Environmental: Flammability, UL-94, Rated V2
Operating Temperature:-40°C to 65°C

223 & 5000
Environmental: Flammability, UL-94, Rated V2
Operating Temperature: -40°C to 60°C

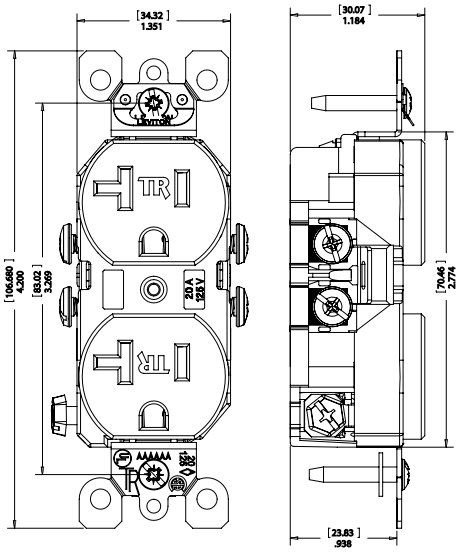
Related Products
Leviton also offers superior quality recessed devices.
See page 98 for more information.

DIMENSIONS

Tamper-Resistant 15A Receptacle



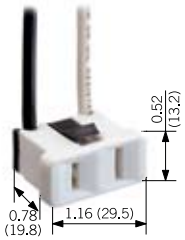
Tamper-Resistant 20A Receptacle



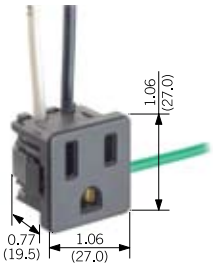
Residential Grade

Snap-In Devices

Specifications and Features
- All 1306 product come with dual exiting capabilities
- Snap-in devices with other mounting clips and terminations available upon request



1306-W



1374-E

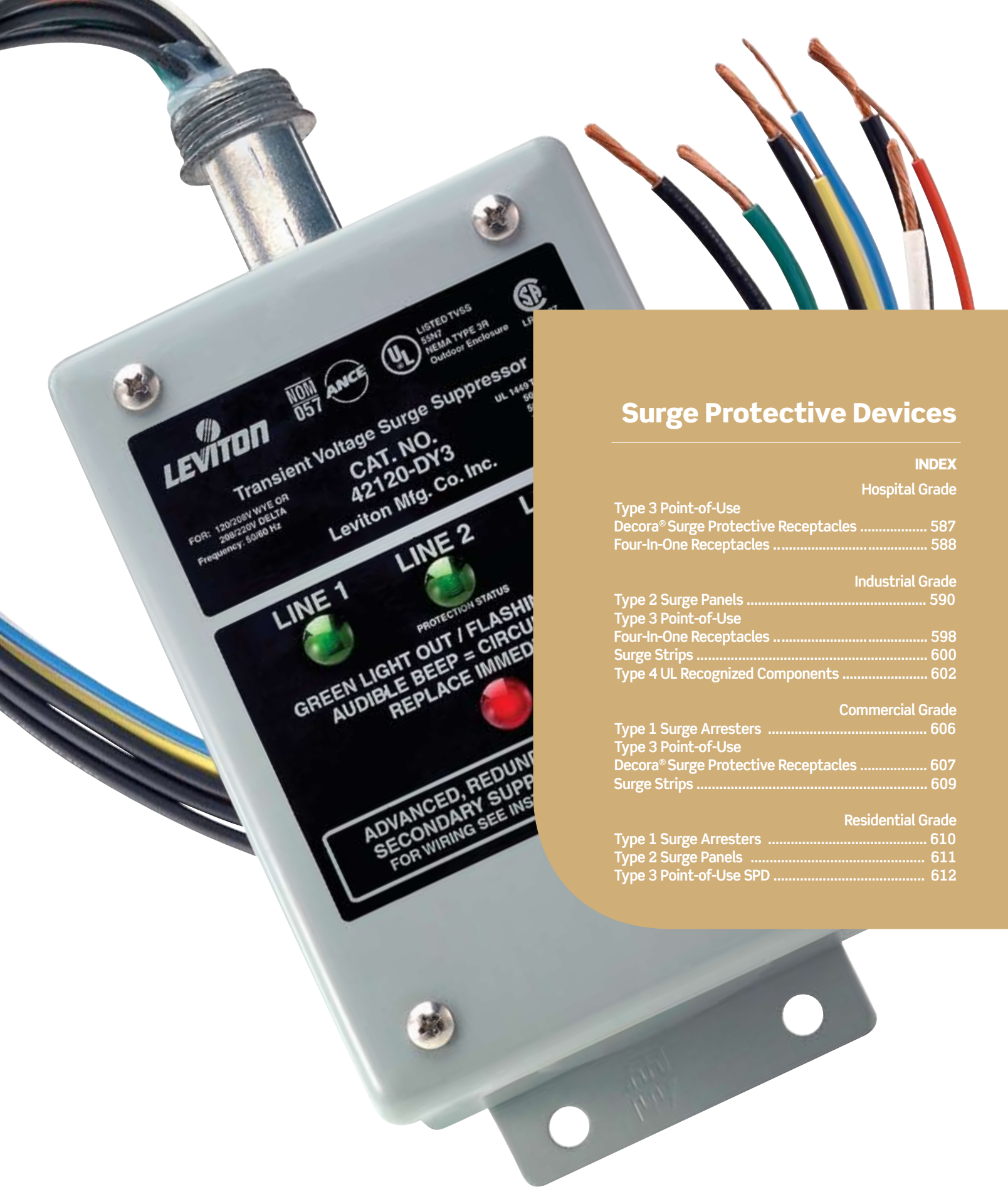
SNAP-IN DEVICES

Description	Colors	Cat. No. Receptacle	Cat. No. Plug	Panel Thickness (Inches)	Panel Opening (Inches)
NEMA		 1-15R			
Rating		**15A–125V**		**.028 –.060**	**.97 x .52**
2-Wire Polarized Receptacle, Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped 1/2"	White Black	1306-W 1306-E			
NEMA		 1-15R			
Rating		**15A–125V**		**.015 –.093**	**.97 x .52**
2-Wire Polarized Receptacle., Back Strap Mounting, Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped 1/2"	White Black	306-W 306-E			
NEMA		 5-15R	 5-15P		
Rating		**15A–125V**	**15A–125V**	**.031 –.080***	**.95 x .95**
3-Wire Grounding, Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped 1/2". Grounding Wire No. 16 AWG	White Black	1374-W 1374-E	1373-W 1373-E		

*Other panel thicknesses available.

TESTING AND CODE COMPLIANCE
- UL Listed 498
- CSA Certified (File #LR-406)
- NOM Certified (File #057)
- Meets or exceeds NEMA standards
- CO/ALR UL Listed 1561

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature:-40°C to 60°C



Surge Protective Devices

INDEX

Hospital Grade

Type 3 Point-of-Use
Decora® Surge Protective Receptacles 587
Four-In-One Receptacles 588

Industrial Grade

Type 2 Surge Panels 590
Type 3 Point-of-Use
Four-In-One Receptacles 598
Surge Strips 600
Type 4 UL Recognized Components 602

Commercial Grade

Type 1 Surge Arresters 606
Type 3 Point-of-Use
Decora® Surge Protective Receptacles 607
Surge Strips 609

Residential Grade

Type 1 Surge Arresters 610
Type 2 Surge Panels 611
Type 3 Point-of-Use SPD 612

Leviton's Surge Protective Devices (SPDs) are designed to reduce the random energy surges of voltage transients and electrical noise on the power supply line.

Volatile transients and noise are present in utility power lines, data networks, telephone lines, closed circuit and cable tv feeds, and any other power or control lines connected to electronic equipment.

Leviton's Surge Protection Devices can be used individually or as part of a coordinated application strategy, to protect sensitive electronic equipment, in industrial, commercial and residential locations, from the stress and degradation inflicted by voltage transients. Leviton Surge Protection Devices are listed to UL 1449 Standards. Leviton's outstanding Surge Protection Devices divert damaging voltage transients, or surges, away from electronic equipment. Transients are diverted away from sensitive microcircuitry, providing protection against catastrophic failure, costly downtime and data disruptions.



Terminology

Type 1 SPDs were previously called Surge Arresters or Secondary Surge Arresters. These terms will not be used and the device will be referred to as a Type 1 SPD due to its location within the power distribution system. This is typically on the supply side of the service disconnect overcurrent device (main service panel.)

Type 2 SPDs are typically service entrance SPD panels or branch circuit SPD panels that are connected on the load side of the service disconnect overcurrent device (main service panel).

Type 3 SPDs are typically surge receptacles or cord connected point-of-use devices. They are permitted to be installed anywhere on the load side of a branch circuit up to the equipment served, provided the connection is a minimum of 10m (30ft.) from the service panel. Note: If the distance is less than 10m, a Type 2 SPD (or a Type 3 SPD tested to Type 2 requirements) must be used.

Type 4 SPDs are UL Recognized Components.

Please visit **leviton.com** for the most up-to-date information regarding ratings and product availability.

Type 3 Point-of-Use Decora® Surge Protective Receptacles Back and Side Wired

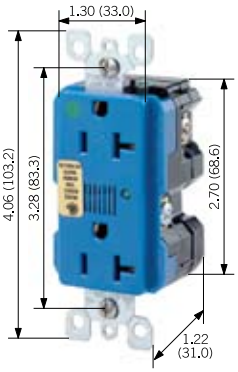
Specifications and Features

- Point-of-use protection for up to 36,000 amps of surge current total
- Four 18mm MOV's enable energy absorption rating of 720 Joules
- Designed to provide enhanced EMI/RFI filtering
- Back and side wired design with durable metal mounting strap
- LED indicator monitors suppression status
- Audible alarm for surge protection status (can be silenced)
- Available in isolated ground and tamper resistant versions
- DIN-rail mounted version also available
- Manufactured to ISO 9001:2000 standards
- Ten-Year Limited Product Warranty

DECORA PLUS SURGE PROTECTIVE RECEPTACLES

Back and Side Wired

Description	Color	Cat. No.	Cat. No.
NEMA Config.		 5-15R	 5-20R
Rating		**15A–125V**	**20A–125V**
Tamper Resistant Duplex, Surge with Indicator Light and Audible Alarm	White	T8280-W	T8380-W
	Ivory	T8280-I	T8380-I
	Light Almond	T8280-T	—
	Gray	—	T8380-GY
	Red	T8280-R	T8380-R
	Blue	T8280-B	T8380-B
Duplex, Surge with Indicator Light and Audible Alarm	White	8280-W	8380-W
	Ivory	8280-I	8380-I
	Light Almond	8280-T	—
	Gray	—	8380-GY
	Red	8280-R	8380-R
	Blue	8280-B	8380-B
	Brown	8280	8380
Single, Surge with Indicator Light and Audible Alarm	Ivory	—	8381-I
Duplex, Surge, Isolated Ground, with Indicator Light and Audible Alarm	White	8280-IGW	8380-IGW
	Ivory	8280-IGI	8380-IGI
	Gray	8280-IGG	8380-IGG
	Blue	8280-IGB	8380-IGB
	Orange	8280-IGO	8380-IGO
Single, Surge, Isolated Ground, with Indicator Light and Audible Alarm	Ivory	—	8381-IGI



8380-B

Hospital Grade

TESTING AND CODE COMPLIANCE
- NEMA (WD-1 & WD-6)
- ANSI (C- 73)
- UL Listed (File # E-317603)
- CSA Certified (File #152105)
- NOM Certified (File #057)

ELECTRICAL
- Dielectric Voltage: Withstands 2000V per UL 498
- Current Limiting: Full rated current
- Temp. Rise: Max 30° C after 250 cycles at 200% of rated current

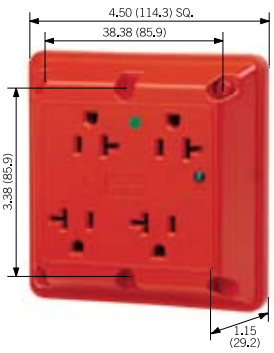
MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 60°C

MECHANICAL
- Terminal I.D.: Brass-Hot, Silver-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG
- Product I.D.: Ratings are permanently marked on device

PERFORMANCE DATA
MVOC: 150Vrms
Joules rating: 720
Nominal Discharge Current (In): 3kA (Meets Type 2 & Type 3 Requirements)
Max Surge Current: L-N: 18kA, L-G: 9kA, N-G: 9kA
Noise Rejection: -30dB at 500kHz-30MHz
Voltage Protection rating (VPR): L-N: 600V, L-G: 700V, N-G: 600V
SCCR: 5000A
Diagnostics: Indicator Light, Audible Alarm

Extra Heavy-Duty Four-In-One

Specifications and Features
- Terminal wiring screws fit inside a standard single gang wallbox; adapter plate not required (optional)
- Impact resistant nylon cover and base for strength and resistance to chemicals and corrosives
- Smooth face; easy to clean surface
- Easy-to-read voltage and amperage rating molded onto face
- Extra Heavy-Duty, T-type triple-wipe bronze contacts for maximum performance
- Ground holes configured up or down to be outside the device, accommodating up to 4 Fed Spec size straight or angle plugs
- No. 8 terminal screws accept up to No. 12 solid or stranded copper wire
- Termination anchor holes for easy conductor wiring
- Exclusive shield-wall design protects ground connection from contact with live circuit conductors
- "A" and "B" molded on face and back for easy identification of receptacle pairs for split-circuit conversion (Note: Split circuit not available on surge models)
- Convenient built-in strip-gauge



8490-R

FOUR-IN-ONE

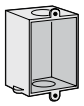
2-Pole 3-Wire Grounding

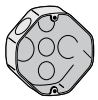
Description	Color	Cat. No.	Cat. No.
NEMA Config.		5-15R	5-20R
Rating		**15A–125V**	**20A–125V**
Four-In-One,	White	8480-IGW	—
Surge Protective/	Ivory	8480-IGI	8490-IGI
Isolated Ground	Blue	8480-IGB	8490-IGB
	Orange	—	8490-IG
Four-In-One,	White	8480-W	8490-W
Surge Protective	Ivory	8480-I	8490-I
	Red	8480-R	8490-R

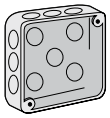
Portable boxes are not UL Listed. UL Listing does not apply when Four-in-One Receptacles are used with portable boxes for extension cord applications. Portable boxes can be found on page 536.
Audible Alarm feature is NOT available on quads.

FOUR-IN-ONE RECEPTACLE WALLBOX MOUNTING

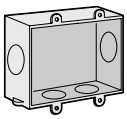
Mounts Directly

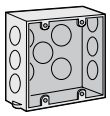

Single-Gang


4" Octagonal


4" Square

Mounts With Adapter Plates


2-Gang


$4^{11}/_{16}$" Square

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- CSA Certified Adapter Plates (File #LR-16347)
- NOM Certified (#057)

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

PERFORMANCE DATA
Total Max. Surge Current: 48kA
L-N Max. Surge Current: 24kA
MCOV: 130V

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C Maximum Continuous

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#12 AWG
Product I.D.: Ratings are permanently stamped on device

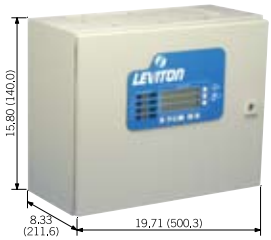
Industrial Grade

75000/74000 Series Panel Mount Devices

75000/74000 Series is designed for the most mission-critical industrial environments, and provides seven-mode protection for high-exposure entrances and other critical applications.

Specifications and Features

- Seven-mode protection for up to 320,000 amps of surge current per mode
- Replaceable surge modules with individually fused MOV's
- AC Sinewave Tracking provides enhanced EMI/RFI filtering
- Real-time diagnostics monitor power and surge protection status
- Surge counter tracks and downloads, magnitude, time/date and duration of surge events
- Less than 1/2 nanosecond response time
- NEMA 12 enclosure
- Limited Lifetime Product Warranty



74120-7M3

75000/74000 SERIES PANEL MOUNT DEVICES

Description	Cat. No.	Rating	Module No.
7-Mode, 3Ø WYE, 4-Wire + Ground	75120-7M3	120/208V AC	(7) HC120-M53
7-Mode, 3Ø WYE, 4-Wire + Ground	75277-7M3	277/480V AC	(7) HC277-M53
7-Mode, 3Ø WYE, 4-Wire + Ground	74120-7M3	120/208V AC	(7) HC120-M40
7-Mode, 3Ø WYE, 4-Wire + Ground	74277-7M3	277/480V AC	(7) HC277-M40

PERFORMANCE SPECIFICATIONS: 75000/74000 SERIES

Cat. No.	MCOV	UL 1449 (2nd Ed) Impulse (6kV/500A)			Max. Surge Current in KA (Test w/8x20µs wave)					Noise Rejection
		L-N	L-G	N-G	L-L	L-N	+	L-G	= per phase	
75120-7M3	150V AC	400	400	400	800	320		320	640	20 to 40dB at 5kHz-100MHz
75277-7M3	320V AC	800	800	800	1500	320		320	640	20 to 40dB at 5kHz-100MHz
74120-7M3	150V AC	400	400	400	800	200		200	400	20 to 40dB at 5kHz-100MHz
74277-7M3	320V AC	800	800	800	1500	200		200	400	20 to 40dB at 5kHz-100MHz

TESTING AND CODE COMPLIANCE

- UL 1449 Listed (File #E 146315)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 & C62.45 Categories A, B & C)

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

57000 Series Panel Mount Devices

Specifications and Features

- For installation at main distribution panels.
- Hybrid suppression circuitry with built-in redundancy provides complete protection on all phases
- Modular design allows easy replacement of modules
- Provides Normal Mode (phase to neutral) and Common Mode (neutral to ground) protection for WYE configured 3-phase AC systems
- Disconnect options offer L-G path (7 mode)
- Dry contacts for remote monitoring allows use of the optional Remote Supervisor (Cat. No. 52000-RS)
- "Series connection" parallel operated (Kelvin/feed-through) rated for 100 Amps maximum continuous line current using #3 AWG conductors
- Dual-stage fuse protection for primary & secondary surge suppression circuits.
- Housed in NEMA-12 enclosure with hinged cover, surface or flush mountable.
- Limited Lifetime Product Warranty

57000 SERIES PANEL MOUNT DEVICES

Description	Cat. No. w/o Surge Counter	Cat. No. w/Surge Counter	Voltage Rating	Module
3-Phase WYE, 4-Wire & Ground	57120-M3	57120-CM3	120/208V AC	(3) 120 (1) 8120-GN
3-Phase WYE, 7-Mode, Integral Disconnect, 4-Wire & Ground	57120-M3S	57120-C3S	120/208V AC	(3) 120-M3S (1) 8120-GN
3-Phase Delta, 3-Wire & Ground	57240-DM3	—	240V AC	(3) 7240
3-Phase WYE, 4-Wire & Ground	57277-M3	57277-CM3	277/480V AC	(3) 7277 (1) 8320-GN
3-Phase WYE, 7-Mode, Integral Disconnect, 4-Wire & Ground	57277-M3S	57277-C3S	277/480V AC	(3) 7277-M3S (1) 8320-GN
3-Phase WYE, 4-Wire & Ground	57346-M3	—	346/600V AC	(3) 7346 (1) 8385-GN
3-Phase Delta, 3-Wire & Ground	57480-DM3	—	480V AC	(3) 7480
3-Phase Delta, 3-Wire & Ground	57600-DM3	—	600V AC	(3) 7600



57120-M3



57120-CM3

Industrial Grade

PERFORMANCE SPECIFICATIONS: 57000 SERIES

Cat. No.	MCOV	UL 1449 Impulse (6kV/500A)				Max. Surge Current in KA (Test w/8x20µs wave)			Noise Rejection
		L-N	L-G	N-G	L-L	L-N +	L-G =	per phase	
57120-M3 57120-CM3	150V AC	400	800	400	800	150	—	150	-20 to -40 dB (@5K-10MHz)
57120-M3S 57120-C3S	150V AC	400	500	400	700	100	100	200	-20 to -40 dB (@5K-10MHz)
57240-DM3	250V AC	—	—	—	700		L-L: 150		-20dB to -40 dB (@5K-10MHz)
57277-M3 57277-CM3	320V AC	800	1800	800	1800	150	—	150	-20dB to -40 dB (@5K-10MHz)
57277-M3S 57277-C3S	320V AC	900	1000	800	1500	100	100	200	-20dB to -40 dB (@5K-10MHz)
57346-M3	385V AC	1000	2000	1000	2000	150	—	150	-20dB to -40 dB (@5K-10MHz)
57480-DM3	550V AC	—	—	—	1500		L-L: 150		-20dB to -40 dB (@5K-10MHz)
57600-DM3	680V AC	—	—	—	1800		L-L: 150		-20dB to -40 dB (@5K-10MHz)

TESTING AND CODE COMPLIANCE
- UL 1449 Listed (File #E-146315)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 & C62.45 Categories A, B & C
- UL 94 V-0 flame retardant thermoplastic (Front Bezel)

MATERIAL CHARACTERISTICS
- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

Remote Supervisor

Specifications and Features
- For use with any panel-mounted SPD that has dry contacts
- Monitors up to 6 (series alarm daisy-chained) panel-mounted SPDs
- Single key-hole surface mounting using just 2 screws
- 75dB acoustic beep tone draws attention to a potential failure
- Terminal block provided for simple connection to input port via #20 to #22 two-conductor twisted pair, with a wire run up to 5,000 ft. in length
- Ten-Year Limited Product Warranty



52000-RS

REMOTE SUPERVISOR

Description	Cat. No.
Remote Supervisor	52000-RS

TESTING AND CODE COMPLIANCE
- UL 1449 Listed (File #E-146315)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 & C62.45 Categories A, B & C

MATERIAL CHARACTERISTICS
- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

52000 Series Branch Panel Mounts

Specifications and Features

- For installation at branch panels for protection in industrial and commercial facilities
- Hybrid suppression circuitry
- Features AC sine wave tracking
- Modular design allows easy replacement of modules without use of tools or the need to shut down the AC system
- Real-time diagnostics monitor power and suppression status for each phase and allow use of optional Remote Supervisor
- Dry contacts for remote monitoring
- Provides Normal Mode (phase to neutral) and Common Mode (neutral to ground) protection for WYE-configured 3-phase AC systems
- "Optional Series Connections" (Kelvin/feed-through) rated for 100 Amps maximum continuous line current using #3 AWG conductors
- Fuse protection for each module
- Housed in NEMA-12 enclosure hinged cover, surface or flush mountable
- Limited Lifetime Product Warranty

52000 SERIES BRANCH PANEL MOUNTS

Description	Cat. No. w/o Surge Counter	Cat. No. w/Surge Counter	Voltage Rating	Module
Single-Phase, 2-Wire & Ground	52120-M1	—	120V AC	(1) 2120 (1) 8120-GN
Single-Phase, 3-Wire & Ground (Home Automation Model)	52120-M2 (52120-M2H)	52120-CM2	120/240V AC	(2) 2120 (1) 8120-GN
3-Phase WYE, 4-Wire & Ground	52120-M3	52120-CM3	120/208V AC	(3) 2120 (1) 8120-GN
3-Phase Delta, 3-Wire & Ground	52240-DM3	—	240V AC	(3) 2240
3-Phase WYE, 4-Wire & Ground	52277-M3	52277-CM3	277/480V AC	(3) 2277 (1) 8320-GN
3-Phase Delta, 3-Wire & Ground	52480-DM3	—	480V AC	(3) 2480
Split Phase, Hi-Leg Delta, 4-Wire & Ground	52412-DS3	—	120/240V/120V AC	(2) 2120 (120V) & (1) 2412 (HI-LEG)



52120-M3



52120-CM3

Industrial Grade

PERFORMANCE SPECIFICATIONS: 52000 SERIES

Cat. No.	MCOV	UL 1449 (2nd Ed) Impulse (6kV/500A)				Max. Surge Current in KA (Test w/8x20µs wave)	Noise Rejection
		L-N	L-G	N-G	L-L	L-N	
52120-M1	150V AC	400	800	400	—	100	-20 to -40 dB (@5K-10MHz)
52120-M2 52120-CM2	150V AC	400	800	400	800	100	-20 to -40 dB (@5K-10MHz)
52120-M2H	150V AC	400	800	400	800	100	-20 to -40 dB (@5K-10MHz)
52120-M3 52120-CM3	150V AC	400	800	400	800	100	-20 to -40 dB (@5K-10MHz)
52240-DM3	L-L: 250V AC	—	—	—	600	100	-20 to -40 dB (@5K-10MHz)
52277-M3 52277-CM3	320V AC	800	1800	800	1800	100	-20dB to -40 dB (@5K-10MHz)
52480-DM3	550V AC	—	—	—	1500	100	-20 to -40 dB (@5K-10MHz)
52412-DS3	L-L: 250V AC	400	800	400	800	100	-20 to -40 dB (@5K-10MHz)

37000, 47000 and 52000-7M3 Series Branch Panel Mounts

Specifications and Features

- Provides low-clamping, high surge current capability
- Verifies fail-safe conditions for MOVs under steady-state overvoltage
- 200 kA rated per mode - 47000 Series
- 100 kA rated per mode - 52000 Series - 7XX; 37000 Series
- Individually-fused MOV's – 37000 and 47000 Series
- Parallel wired to facilitate connection to any service ampacity
- Provides Normal Mode (phase to neutral), and Common Mode [neutral to ground and line-to-ground (L-G)] protection for a total of 7 modes of protection
- Available with NEMA Type 4X enclosure for outdoor environments – 47000
- Limited Lifetime Product Warranty

37000, 47000 & 52000-7M3 SERIES BRANCH PANEL MOUNTS

Description	Cat. No. w/o Surge Counter	Cat. No. w/Surge Counter	Voltage Rating 3Ø WYE (4-wire and ground)	Module
7-Mode Panel Mount Type 1 Enclosure (4-Wired + Ground)	37120-007	—	120/208V AC	—
7-Mode Panel Mount w/NEMA C Type 1 Enclosure (4-Wire + Ground)	37277-007	—	277/480V A	—
7-Mode Panel Mount (4-Wired + Ground)	47120-007	—	120/208V AC	—
7-Mode Panel Mount w/NEMA 4X Enclosure (4-Wire + Ground)	47120-4X7	—	120/208V AC	—
7-Mode Panel Mount (4-Wired + Ground)	47277-007	—	277/480V AC	—
7-Mode Panel Mount w/NEMA 4X Enclosure (4-Wire + Ground)	47277-4X7	—	277/480V AC	—
7-Mode Modular Panel Mount (4-Wired + Ground)	52120-7M3	52120-7C3	120/208V AC	(3) 120-7M3 (1) 8120-GN
7-Mode Modular Panel Mount (4-Wired + Ground)	52277-7M3	52277-7C3	277/480V AC	(3) 277-7M3 (1) 8120-GN



37277-007



47120-007



47120-4X7



52277-7M3

Industrial Grade

PERFORMANCE SPECIFICATIONS: 37000, 47000 AND 52000-7M3 SERIES

Cat. No.	MCOV	UL 1449 (2nd Ed) Impulse (6kV/500A)				Max. Surge Current in KA (Test w/8x20µs wave)			Noise Rejection
		L-N	L-G	N-G	L-L	L-N + L-G = per phase			
37120-007	140V AC	400	500	400	700	100	100	200	-40 dB (@10K-10MHz)
37277-007	320V AC	800	900	800	1500	100	100	200	-40 dB (@10K-10MHz)
47120-007 47120-4X7	140V AC	330	400	330	600	200	200	400	-40 dB (@10K-10MHz)
47277-007 47277-4X7	320V AC	700	800	700	1500	200	200	400	-40 dB (@10K-10MHz)
52120-7M3 52120-7C3	150V AC	400	400	400	800	100	100	200	-20 to -40 dB (@5K-10MHz)
52277-7M3 52277-7C3	320V AC	800	800	800	1500	100	100	200	-20 to -40 dB (@5K-10MHz)

TESTING AND CODE COMPLIANCE

47000 and 52000-7M3 Series

- UL 1449 Listed (File #E-146315)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 and 62.45 requirements for Categories A, B, C

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

32000 and 42000 Series Branch Panel Mounts

Specifications and Features

- 32000 Series compatible with Decora Home Control and X-10 devices
- Provide multiple-phase surge protection in commercial and industrial environments
- Compact design permits close installation to panel and provides a short parallel suppression path
- 3-phase units are suitable for WYE and Delta AC systems
- Easily surface-mounted or flush mountable with use of flush collar accessory 42001 FMC
- Real-time diagnostics monitor power and surge suppression status of each phase by means of indicator light and acoustic alarm
- Equipped with normally open/normally closed dry contacts rated 5 Amps 3 color-coded AWG leads rated 600V AC for remote monitoring
- Sine wave Tracking
- Limited Lifetime Product Warranty

32000 & 42000 SERIES FOR BRANCH PANELS

Description	Cat. No.	Voltage Rating
Single-Phase	32120-1	120/240V AC
	42120-1	
3-Phase WYE or 220V, 230V or 240V AC,	32120-DY3	120/208V AC
3ø Delta	42120-DY3	220V, 230V or 240V AC
277/480V or 220/380V AC	32277-DY3	277/480V AC, 220/380V AC
3-Phase WYE or 240, 480V AC 3ø Delta	42277-DY3	480V AC
3-Phase WYE or 600V AC 3ø Delta	32347-DY3	347/600V AC
	42347-DY3	600V AC
Hi-Leg Split Phase Delta	32412-DS3	120/240/120V AC
	42412-DS3	
Flush Mount Collar	42001-FMC	—



32120-DY3

PERFORMANCE SPECIFICATIONS: 32000 AND 42000 SERIES

Cat. No.	MCOV	UL 1449 Impulse (6kV/500A)			Max. Surge Current in kA (Test w/8x20µs wave)
		L-N	N-G	L-L	L-N
32120-1 42120-1	150V AC	500	500	700	80kA
32120-DY3 42120-DY3	150V AC	500	500	700	80kA
32277-DY3 42277-DY3	320V AC	900	800	1500	80kA 80kA
32347-DY3 42347-DY3	382V AC L-L 660V AC	1200	1000	2000	80kA
32412-DS3 42412-DS3	320V AC L-L 264V AC	400	700 (HiL-N)	800	80kA

Noise Rejection 32000=-20 to -30 dB (@1.5K - 1.2MHz)

Noise Rejection 42000=-30 to -40 dB (@10K - 10MHz)



42120-DY3

TESTING AND CODE COMPLIANCE

- UL 1449 Listed (File #E-146315).
- CSA Certified (File #LR-94773).
- Meets ANSI/IEEE C62.41 and 62.45 requirements for Categories A, B, C.

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C.
- Storage Temperature: -20°C to 85°C.

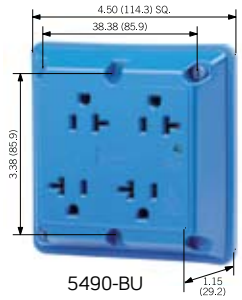
LEVITON

Industrial Grade

Extra Heavy-Duty Four-In-One

Specifications and Features

- Terminal wiring screws fit inside a standard single gang wallbox; adapter plate not required (optional)
- Impact Resistant nylon cover and base for strength and resistance to chemicals and corrosives
- Easy-to-read voltage and amperage rating molded onto smooth face; easy to clean surface
- Extra Heavy-Duty, T-type triple-wipe bronze contacts for maximum performance
- Ground holes configured up or down to be outside the device, accommodating up to 4 Fed Spec size straight or angle plugs
- No. 8 terminal screws accept up to No. 12 solid or stranded copper wire
- Termination anchor holes for easy conductor wiring
- Exclusive shield-wall design protects ground connection from contact with live circuit conductors
- "A" and "B" molded on face and back for easy identification of receptacle pairs for split-circuit conversion (Note: Split circuit not available on surge models)
- Convenient Built-in strip gauge



5490-BU

2-Pole, 3-Wire Grounding

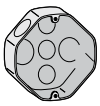
Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A-125V**	**20A-125V**
Four-In-One,	Ivory	—	5490-IGI
Surge Protective/	Blue	—	5490-IGB
Isolated Ground	Orange	5480-IG	5490-IG
Four-In-One,	White	5480-W	5490-W
Surge Protective	Ivory	5480-I	5490-I
	Grey	5480-GY	5490-GY
	Red	5480-R	—
	Blue	5480-BU	5490-BU

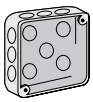
Portable boxes are not UL Listed. UL Listing does not apply when Four-in-One Receptacles are used with portable boxes for extension cord applications. Portable boxes can be found on page 536.
Audible Alarm feature is NOT available on quads.

FOUR-IN-ONE RECEPTACLE WALLBOX MOUNTING

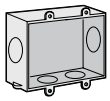
Mounts Directly

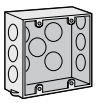

Single-Gang


4" Octagonal


4" Square

Mounts with Adapter Plate


2-Gang


$4^{11}/_{16}$" Square

TESTING AND CODE COMPLIANCE
Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-13399)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

PERFORMANCE DATA
Total Max. Surge Current: 48kA
L-N Max. Surge Current: 24kA
MCOV: 130V

MECHANICAL
Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#12 AWG
Product I.D.: Ratings are permanently stamped on device

ELECTRICAL
Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C at full rated current after 50 cycles overload at 150% of rated current for both AC and DC per UL 498

LEVITON

Industrial Grade

Type 3 Point-of-Use Surge Strips

Specifications and Features

Plug Strips

- Available in Industrial Specification Grade, Commercial Specification Grade and General Purpose Classifications
- Clamping profile tightly tracks AC sine wave
- Real-time diagnostics monitor power and suppression status
- Six protected outlets
- Resettable circuit breaker and internal fusing
- May be wall-mounted
- Equipped with a 6-foot or 15-foot (on select models), 14-3 AWG power cord (12-3 AWG power cord on 20A models)
- Lifetime Limited Downline Warranty for device & equipment plugged into it



5300-HTS



5300-PSC



5100-PS

PLUG STRIPS

Description	Cat. No.	Rating	Application
6-Outlet Plug Strip w/ON/OFF Switch	5300-PS	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch w/15 ft. Power Cord	5300-S15	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch	5300-PST	15A-120V AC	Telephone line/modem line protection
6-Outlet Plug Strip w/ON/OFF Switch	5300-PSC	15A-120V AC	CATV line surge protection
6-Outlet Plug Strip Hospital Grade Components	5300-HTS	15A-120V AC	Continues to supply power to load if protection is lost; rugged metal housing for use in rough environments
6-Outlet Plug Strip w/6 ft. Power Cord Hospital Grade Components	5300-HT2	20A-125V AC	Continues to supply power to load if protection is lost; rugged metal housing for use in rough environments
6-Outlet Plug Strip w/15 ft. Power Cord Hospital Grade Components	5300-H15	15A-125V AC	Continues to supply power to load if protection is lost; rugged metal housing for use in rough environments
6-Outlet Plug Strip w/ON/OFF Switch	5300-IPS	15A-120V AC	Rugged metal housing for use in rough environments
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch	5200-PS	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch, w/15 ft. Power Cord	5200-S15	15A-120V AC	For microprocessor-based equipment
General-Duty 6-Outlet Plug Strip	5100-PS	15A-120V AC	Compatible with Decora Home Control
General-Duty 6-Outlet Plug Strip, w/15 ft. Power Cord	5100-S15	15A-120V AC	Compatible with UPS and SPS systems
General-Duty 6-Outlet Plug Strip	5100-IPS	15A-120V AC	Rugged metal housing for use in rough environments
General-Duty 6-Outlet Plug Strip	5100-IS2	20A-120V AC	Rugged metal housing for use in rough environments

CLAMPING PERFORMANCE

Description	5100-PS/S15	5100-IPS/IS2	5200-PS/S15	5300-PS Group	5300-IPS
Max. single-pulse transient current (8x20µs, Amps peak)	18kA	45kA	57kA	96kA	84kA
Rated single-pulse transient energy (10x1000µs, Joules)	720 Joules	900 Joules	940 Joules	1520 Joules	1330 Joules
EMI/RFI noise rejection @ 50 Ohms 5kHz-100MHz	10-30dB	10-20dB @100k-100MHz	40-50dB	50-60dB	10-20dB @100k-100MHz
Cat. A ringwave (6kV, 200A,100kHz)	370V	336V	230V	190V	269V
Cat. B ringwave (6kV, 500A,100kHz)	420V	328V	270V	210V	307V
Cat B impulse (6kV, 3kA, 8x20µs)	490V	369V	370	310	324V
UL 1449 ratings (8x20µs @ 3kA) (L-N/L-G, N-G)	400V	400V	—	330/400 for 5300-HTS only	330V

TESTING AND CODE COMPLIANCE

53000 HPS
- UL Listed 1363, 1449, 1283, 544 (File #118936)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 standards for both Categories A & B

MATERIAL CHARACTERISTICS

5100-PS, 5200-PS, 5300-PS
- Operating Temperature: 0°C to 40°C
- Storage Temperature: -35°C to 60°C

5300-HTS, 5300-HT2, 5300-H15
- Operating Temperature: 0°C to 60°C
- Storage Temperature: -35°C to 60°C

5100-IPS, 5300-IPS, 5100-IS2
- Operating Temperature:-10°C to 60°C
- Storage Temperature: -35°C to 60°C

Wired-In Surge Protective Module — 51000 Series

Specifications and Features

- For use by OEMs who wish to include 120 or 240V surge protection as an equipment feature
- Available with DIN-rail mounting
- Provides surge protection to branch circuits
- Staged multi-component surge suppression circuitry provides clamping envelope that follows AC sine-wave contour
- Diagnostic circuitry, with LEDs, to indicate surge protection status and acoustic alert if surge protection is lost
- If surge protection is lost, power is still provided to load until SPD module is replaced
- Ten-Year Limited Product Warranty



51020-DIN

WIRED-IN SURGE PROTECTIVE MODULES - 5100 SERIES

Description	Cat. No.	Rating
Single-Phase, 3-Wire	51005-WM	5A, 120V AC
Single-Phase, 3-Wire	51010-WM	10A, 120V AC
Single-Phase, 3-Wire, DIN-Rail Mounting	51005-DIN	5A, 120V AC
Single-Phase, 3-Wire, DIN-Rail Mounting	51010-DIN	10A, 120V AC
Single-Phase, 3-Wire	51015-WM	15A 120V AC
Single-Phase, 3-Wire	51020-WM	20A 120V AC
Single-Phase, 3-Wire, w/DIN-rail mounting	51020-DIN	20A 120V AC
Single-Phase, 4-Wire	51240-WM	20A 240V AC
Single-Phase, w/DIN-rail mounting	51240-DIN	20A 240V AC

PERFORMANCE SPECIFICATIONS

Specification	51005-WM, 51010-WM, 51005-DIN, 51010-DIN	51015-WM, 51020-WM, 51020-DIN	51240-WM, 51240-DIN
Max. Surge Current (Test w. 8x20µs wave)	Total: 52kA	Total: 96kA	Total Joules: 1760
Noise Rejection	20-50dB (@ 10K-100MHz)	40-50dB (@ 5kH-100MHz)	40-50dB (@ 5kH-100MHz)
Operating Frequency Range	50, 60Hz	50, 60Hz	50, 60Hz
UL 1449 (2nd Ed.) Rating	L-N: 400V L-G: 400V N-G: 400V	L-N: 330V L-G: 330V N-G: 400V	L-N: 600V L-G: 330V N-G: 600V
MCOV	150V AC	150V AC	270V AC

Note: See your leviton representative for a complete listing of Low-Voltage Communication Protection modules for factory automation and industrial control applications.

TESTING AND CODE COMPLIANCE

- Recognized to UL Standard 1449
- CSA Certified

MATERIAL CHARACTERISTICS

- Operating Temperature: -40°C to 70°C
- Storage Temperature: -20°C to 85°C

Equipment Cabinet Surge Protection Modules 3800 Series

Specifications and Features

3800 Series

- MOV-based suppression circuitry provides optimum clamping
- Provides Normal Mode protection for line-to-neutral and common mode; line-to-ground and neutral-to-ground
- Noise rejection @ 5kHz-5MHz: -35db
- 3800: 135V (MCOV); 3840: 250V (MCOV)
- 3800-DIN, 3800-0WM: Terminal block accepts 22 AWG to 12 AWG conductors
- Ten-Year Limited Product Warranty

3880-DIN & 3801-DIN

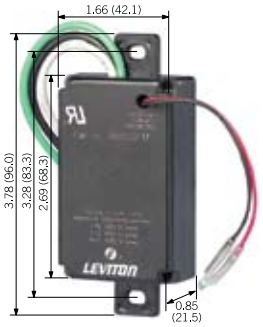
- Ideal for mounting in equipment cabinets where convenient plug-in surge protection is desired
- Green LED indicates surge protection loss
- Audible alarm
- Integral disable (quiet) switch — 3880-DIN
- Power continues to be provided to loads in the event of protection loss
- Terminal Block accepts #22-#12 AWG conductors
- Ten-Year Limited Product Warranty

EQUIPMENT CABINET SURGE PROTECTIVE MODULES 3800 SERIES

Description	Cat. No.	Rating
For DIN-Rail Mounting, w/Terminal Block; 120V AC	3800-DIN	120V AC (VRMS)
Terminal Block; 120V AC	3800-0WM	120V AC (VRMS)
Pigtail Wire Leads, 6" long; 120V AC	3800-OEM	120V AC (VRMS)
For DIN-Rail Mounting, w/Terminal Block; 24V DC	3824-DIN	24V DC
Terminal Block; 24V DC	3824-0WM	24V DC
For DIN-Rail Mounting, w/Terminal Block; 240V AC	3840-DIN	240V AC (VRMS)
Terminal Block; 240V AC	3840-0WM	240V AC (VRMS)
Pigtail Wire Leads; 6" long; 240V AC	3840-OEM	240V AC (VRMS)
For DIN-Rail Mounting, w/Terminal Block; 48V DC	3848-DIN	48V DC
Terminal Block; 48V DC	3848-0WM	48V DC
Pigtail Wire Leads; 6" long; 48V DC	3848-OEM	48V DC



3800-DIN



3800-OEM

Industrial Grade

CLAMPING PERFORMANCE AND PERFORMANCE SPECIFICATION

		Cat. No. 3800		Cat. No. 3840	
Clamping Performance	**Mode**	**Voltage**	**Current**	**Voltage**	**Current**
UL 1449 (8x20µs)	L-L	-	-	800Vpk	48kApk
	L-N	500Vpk	24kApk	500Vpk	24kApk
	L-G	600Vpk	12kApk	600Vpk	24kApk
	N-G	600Vpk	12kApk	600Vpk	12kApk
Maximum Continuous	L-L	-		260 V AC	
Operating Voltage	L-N	130 V AC		130 V AC	

	Cat. No. 3824		Cat. No. 3848	
Strike Voltage Breakdown	**100 V/µs**	**100 V/s**	**100 V/µs**	**100 V/s**
UL4978	33.1-38.2 V	18.2-19.2 V	51.8-71.8 V	24.0-28.0V

Consult factory for detailed performance data for other models.



3840-DIN

EQUIPMENT CABINET SURGE PROTECTIVE RECEPTACLES

Description	Cat. No.	Rating
Hospital Grade Duplex Receptacle 60Hz	3880-DIN	15A-120V AC
Single Convenience Outlet 60Hz	3801-DIN	15A-120V AC

PERFORMANCE DATA (3880-DIN, 3801-DIN)

Clamping Voltage*	MCOV†	Max. Single Pulse Transient Current (8x20µs, Amps peak)	EMI-RFI Noise Rejection @50 ohms 5kHz-5MHz
400/400/400V pk	150Vrms	24kA(L-N),12kA(L-G/N-G)	-35dB

*UL 1449 Suppressed Voltage Ratings (SVR) Assigned at 6" length with 6k/500A per UL1449 (2nd Ed.)
†Maximum Continuous Operating Voltage



3880-DIN

TESTING AND CODE COMPLIANCE

- UL 1449 Listed (E146315/DC-E175161)
- CSA Certified (#LR-94773)
- Meets ANSI/IEEE C-62.41 & C-62.45 Categories A, B & C (B & C ONLY for Cat Nos.3880-DIN & 3801-DIN)

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

Low Voltage Type 4 UL Recognized Components

Specifications and Features

3400 & 3800 Series

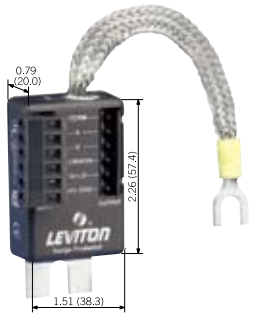
- Designed for mounting in standard equipment cabinets
- For use on Allen Bradley and "Blue Hose" devices
- Two options for ground connection
- Low clamping voltage
- Withstands surges at programmable logic devices in harsh electromagnetic or geographic areas
- Provides transient voltage surge suppression for a selection of programmable logic devices and other computer-related data network products
- Ten-Year Limited Product Warranty

51000-SMC Surge Counter

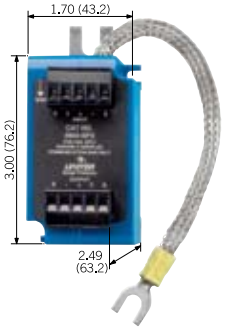
- Plug-in design provides fast, simple way to determine if surges are present
- 3 settings indicate different sensitivity thresholds based on IEEE C62.41 impulse and ringwave waveforms
- Key operated to prevent tampering
- Excellent tool for determining if you need surge protection in any environment
- Ten-Year Limited Product Warranty

3400 AND 3800 SERIES LOW VOLTAGE COMMUNICATION SURGE PROTECTIVE MODULES

Description	Cat. No.	Rating	Application
3-Pin Header Connector, Surface Mount	3803-DHP*	9.6V DC	For programmable logic devices and other other computer-related data network products operating on "Blue Hose" networks
6-Pin Header Connector, Surface Mount	3803-485*	9.6V DC	For programmable logic other devices and and computer related data network products operating on Allen Bradley DH-485 data networks
3-Pin Header Connector, Surface Mount	3803-MOD	9.6V DC	For products operating on Modbus and Modbus Plus networks
3-Pin Header Connector, Surface Mount	3420-009*	9.6V DC	For products operating on 4-20ma Signal Loop networks, 9V DC
3-PIN Header Connector, Surface Mount	3420-035*	38.5V DC	For products operating on 4-20ma Signal Loop networks, 38V DC
4-Position Terminal Block Surface & DIN-rail Mount	3860-GEF	100V DC	For products operating on GE Fanuc Control Bus networks
RJ-45 Connector, Surface & DIN-Rail Mount	3861-ETH	19.8V DC	For products operating on CAT 3 networks
BNC Connector, Surface & DIN-Rail Mount	3862-CON	9.18V DC	For ControlNet networks
5-Pin Header Connector Surface & DIN-Rail Mount	3863-DEV	19.8V DC	For DeviceNet networks



3803-485



3803-SPX

Commercial Grade

Type 1 Surge Arresters

Specifications and Features

Secondary Surge Arresters

- Units come with 18" pigtail leads
- Constructed of high-impact, non-conductive, fiberglass-reinforced polycarbonate
- Compact design for easy installation
- LEDs and Audible Alarm
- Limited Lifetime Product Warranty



55175-ASA

SECONDARY SURGE ARRESTERS

Description	Cat. No.	MCOV	Rating
Secondary Surge Arrester w/ LED's and Audible Alarm	55175-ASA	180V AC	120/240, 200A
Secondary Surge Arrester w/LEDs and Audible Alarm	55650-ASA	480V AC	277/480V AC, 480V Delta 347/600V AC

*MOV's rated at 150V. UL assigns a derated MCOV of 132V for surge arrester applications.

PERFORMANCE DATA

		Maximum Surge Current Rating		
Description	**Cat. No.**	**kA Total**	**kA per Mode**	**Joules Total**
Surge Arrester	55175-ASA	140kA	70kA	1260 Joules
Surge Arrester	55650-ASA	210kA	70kA	7500 Joules

TESTING AND CODE COMPLIANCE

- Surge arrester performance tested to IEEE C62.11 (10,000 amps/4 x 10 µs), IEEE C62.11, C62.41 & C62.45 Category C Standards
- UL Listed (#E146315)
- CSA Certified (#LR94773)

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

Type 3 Point-of-Use Decora® Surge Protective Receptacles, Back and Side Wired

Leviton's line of Commercial Grade receptacles are available with a number of wiring options and features. The beauty, durability and versatility of Decora® devices and surge supression receptacles are perfect for a variety of commercial applications.

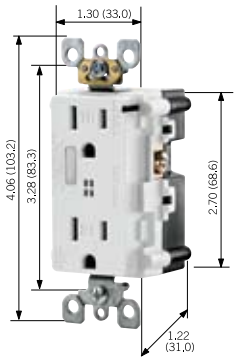
Specifications and Features

- Point-of-use protection for up to 36,000 amps of surge current total
- Four 18mm MOV's enable energy absorption rating of 720 Joules
- Designed to provide enhanced EMI/RFI filtering
- Back and side wired design with durable metal mounting strap
- LED indicator monitors suppression status; optional Audible Alarm
- Available in optional Isolated Ground and Tamper Resistant versions
- DIN-rail mounted version also available
- Manufactured to ISO 9001:2000 standards
- Ten-Year Limited Product Warranty

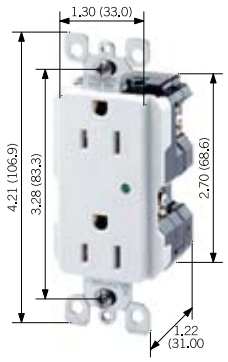
DECORA SURGE PROTECTIVE RECEPTACLES, BACK AND SIDE WIRED

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**15A–125V**	**20A–125V**
Tamper Resistant Duplex, Surge with Indicator Light and Audible Alarm	White	T7280-W	T7380-W
	Ivory	T7280-I	T7380-I
	Light Almond	T7280-T	—
	Black	T7280-E	T7380-E
	Blue	T7280-B	T7380-B
Duplex, Surge with Indicator Light and Audible Alarm	White	7280-W	7380-W
	Ivory	7280-I	7380-I
	Light Almond	7280-T	—
	Blue	7280-B	7380-B
Tamper Resistant Duplex, Surge with Indicator Light	White	T5280-W	T5380-W
	Ivory	T5280-I	T5380-I
	Light Almond	T5280-T	—
	Grey	T5280-GY	T5380-GY
	Black	T5280-E	T5380-E
	Brown	T5280	T5380
	Blue	T5280-B	T5380-B
Duplex, Surge with Indicator Light	White	5280-W	5380-W
	Ivory	5280-I	5380-I
	Light Almond	5280-T	—
	Grey	5280-GY	5380-GY
	Brown	5280	5380
	Blue	5280-B	5380-B

Continued On Next Page ›



T7280-W



5280-W

Commercial Grade

Continued From Previous Page >

Description	Color	Cat. No.	Cat. No.
NEMA		 5-15R	 5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Surge, Isolated Ground, with Indicator Light	White	5280-IGW	5380-IGW
	Ivory	5280-IGI	5380-IGI
	Grey	—	5380-IGG
	Brown	5280-IG	5380-IG
	Blue	5280-IGB	5380-IGB
	Orange	5280-IGO	5380-IGO

TESTING AND CODE COMPLIANCE

Meets all NEMA WD 6, UL 498 and ANSI C-73 requirements
- UL Listed (File #E-317603)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 60°C

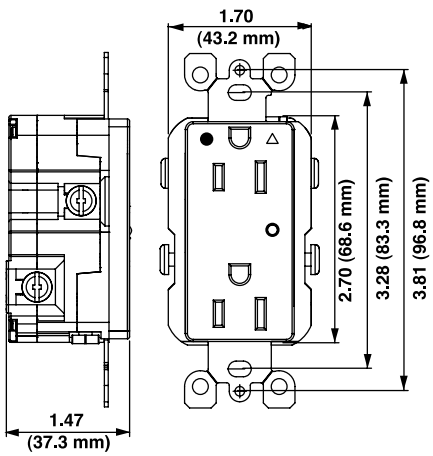
MECHANICAL

Terminal I.D.: Brass-Hot, White-Neutral, Green-Grounding
Terminal Accomm.: #14-#10 AWG
Product I.D.: Ratings are permanently marked on device

ELECTRICAL

Dielectric Voltage: Withstands 2000V for UL 498
Current Interr.: Full rated current
Temp. Rise: Max 30°C after 250 cycles at 200% of rated current

DIMENSIONS



Type 3 Point-of-Use Surge Strips

Specifications and Features

Plug Strips (S1000 and S2000 Series)

- Slim, right-angle plug
- Ground pin to outside for more transformer configurations
- Diagnostic LEDs for surge protection, polarity and ground verification
- Resettable circuit breaker
- Power line carrier compatible
- Audible alarm indicates loss of protection
- Four non-skid rubber feet on the bottom
- Provides excellent surge suppression and EMI/RFI noise attenuation for microprocessor-driven electronic equipment
- Three-stage protection: line-to-neutral, line-to-ground, neutral-to-ground
- Built-in overload circuit-breaker switch with reset button
- Indicator lights confirm unit is operating and properly grounded
- Clamping voltage: 400V all modes

S1000 & S2000 SERIES PLUG STRIPS

Description	Number of Outlets	Cord Length	Cat. No.
S1000 Series Power Surge Strip	6	6 ft.	S1000-0PS
S1000 Series TELCO/ CATV/SAT Surge Strip	6	6 ft.	S1000-PTC
S1000-S15 Series Power Surge Strip	6	15 ft.	S1000-S15
S1000-NS Non-Surge,	6	6 ft.	S1000-NS
S2000 Series Power Surge Strip	9	6 ft.	S2000-0PS
S2000-S15 Series Power Surge Strip	9	15 ft.	S2000-S15
S2000 Series TELCO/ CATV/SAT Surge Strip	9	6 ft.	S2000-PTC



S1000



S2000

TESTING AND CODE COMPLIANCE

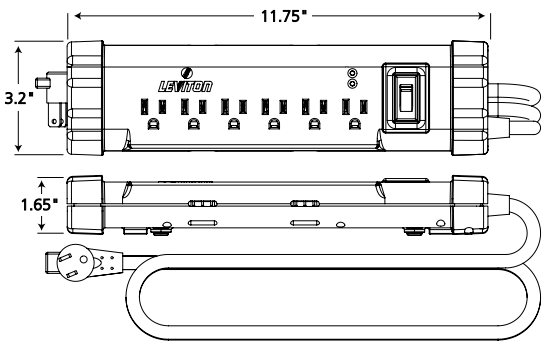
Plug Strips S1000 and S2000 Series

- CSA Certified
- UL Listed 1449
- Meets ANSI/IEEE C62.41 Edition 2.5 and C62.45

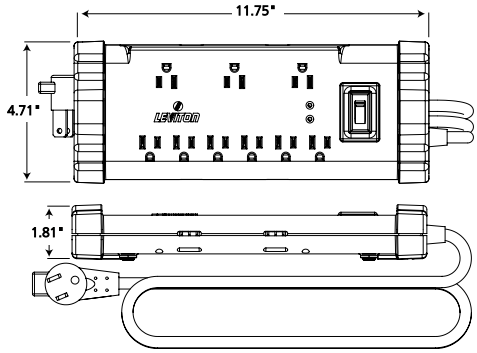
MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

DIMENSIONS



S1000



S2000

Type 1 Surge Arresters

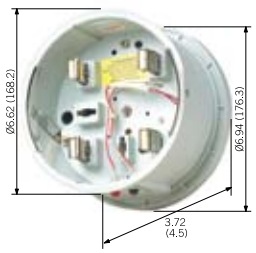
Specifications and Features

Meter Socket Surge Adapter

- Single 53mm MOV per line design (Line 1-Neutral, Line 2-Neutral) provides a higher energy capacity than smaller size (20mm) MOV's
- Superior to multiple small MOV configurations where the protection is only as good as the weakest MOV in the chain
- Rated for 140,000 peak amps maximum surge current
- Nominal clamping voltage per line: 800V
- Diagnostic LED's: Green indicates surge protection is active, Red indicates protection is no longer active
- Designed for 120/240 volt single-phase ringless or ring-type meters
- Rugged housing constructed of high-impact, non-conductive fiberglass-reinforced polycarbonate
- Available in popular jaw configurations, featuring spring-loaded, high-pressure copper-plated contacts for maximum conductivity
- Limited Lifetime Product Warranty

51120 Series

- 51120-3R features NEMA 3R enclosure



50240-MSA

METER SOCKET SURGE ADAPTER

Description	Cat. No.	Rating
Meter Socket Surge Adapter w/LED's Only	50240-MSA	120/240, 200A-4 Jaw
Meter Socket Surge Adapter w/LED's and Audible Alarm (Switchable)	50240-ASA	120/240, 200A-4 Jaw

PERFORMANCE DATA

		Maximum Surge Current Rating		
Description	**Cat. No.**	**kA Total**	**kA per Mode**	**Joules Total**
Meter Socket Surge Arrester	50240-MSA	140kA	70kA	1260 Joules

51120 SERIES SURGE PROTECTIVE PANELS

Description	Cat. No.	Rating
1-Phase, 3-Wire & Ground; NEMA 3R Outdoor Enclosure	51120-3R	120/240V AC

SURGE PROTECTIVE PANEL PERFORMANCE SPECIFICATIONS

Cat. No.	MCOV	UL 1449 (2nd Ed) Impulse (6kV/500A) Current	Max. Surge (Test w/8x20µs wave)
51120-3R	180V AC	L-N: 800V	L-N: 40kA

TESTING AND CODE COMPLIANCE

- Surge arrester performance tested to IEEE C62.11 (10,000 amps/4 x 10 µs), IEEE C62.11, C62.41 & C62.45 Category C Standards
- UL Listed Surge Arrester
- CSA Certified (#LR94773)
- 51120 Series: UL Listed and CSA Certified

MATERIAL CHARACTERISTICS

- Operating Temperature: -10°C to 60°C
- Storage Temperature: -20°C to 85°C

Type 2 Surge Panels

Specifications and Features

51110 Series
- 51110-PTC provides protection for 2 telco lines and 2 coax feeds
- Compatible with Decora Home Controls
- Ten-Year Limited Product Warranty (no connected equipment coverage)

51120 Series
- Standard J-Box metal enclosures
- Compatible with Decora Home Controls
- Limited Lifetime Warranty

51110 SERIES RESIDENTIAL SURGE PROTECTIVE PANELS

Description	Cat. No.	Rating
1-Phase, 3-Wire & Ground	51110-1	120/240V AC
Multimedia Panel: 1-Phase, 3-Wire & Ground with two pairs of phone/fax/modem terminals and CATV/Satellite F-Connectors	51110-PTC	120/240V AC



51110-PTC

51120 SERIES SURGE PROTECTIVE PANELS

Description	Cat. No.	Rating
1-Phase, 3-Wire & Ground	51120-1	120/240V AC
3-Phase WYE,4-Wire & Ground	51120-3	120/208V AC

NOTE: Cat. No. 51120-3 is a COMMERCIAL GRADE product.



51120-1

SURGE PROTECTIVE PANEL PERFORMANCE SPECIFICATIONS

Cat. No.	MCOV	UL 1449 (2nd Ed) Impulse (6kV/500A) Current		Max. Surge (Test w/8x20µs wave)
51110-1	150 V AC	L-N: 400V	L-L: 800V	L-N: 26kA
51110-PTC	150V AC	L-N: 400V	L-L: 800V	L-N: 48kA
51120-1	150V AC	L-N: 500V	L-L: 800V	L-N: 40kA
51120-3	150V AC	L-N: 500V	L-L: 800V	L-N: 40kA

TESTING AND CODE COMPLIANCE
- UL Listed 1449
- Meets ANSI/IEEE C62.41 & C62.45 requirements for Categories A, B & C
- 51110 Series: CUL/US Certified
- 51120 Series: UL Listed and CSA Certified

Residential Grade

Type 3 Point-of-Use Plug-In SPD

Specifications and Features

General Purpose Plug-Ins
- Six outlets
- RFI filtering
- 3-stage protection: line-to-neutral, line-to-ground, neutral-to-ground
- Built-in fuse protection
- Monitor lights ON indicates circuit is powered and protected
- Ten-Year Limited Product Warranty



3500-P



3500-PT

GENERAL PURPOSE PLUG-IN'S

Description	Cat. No.	Rating
6-Outlet Plug-in w/Power & Circuit Monitor Lights UL 1449 (All Modes) 400V	3500-P	15A 120V
6-Outlet Plug-in w/two RJ11 Phone Jacks, UL 1449 (All Modes) 400V	3500-PT	15A 120V
6-Outlet Plug-in w/two F Coax Cable Connectors, UL 1449 (All Modes) 400V	3500-PC	15A 120V

TESTING AND CODE COMPLIANCE
- UL Listed 1449
- Meets ANSI/IEEE C62.41 & C62.45 requirements for Categories A, B & C



Switches

INDEX

Industrial Grade
Safety Disconnect 614
Mechanical Interlock 619
Manual Motor Starting 622
Toggle & Locking 626

Commercial Grade
Decora® 635
Toggle 641

Residential Grade
Decora® 646
Toggle 650
Appliance 653

Industrial Grade

PowerSwitch® Safety Disconnect Switches – SDS

PowerSwitch SDS devices meet NEC Article 430 for separate disconnect in-sight of motor loads and OSHA Title 29 CFR 1910 and 1926 for lockout, tagout protection. The complete PowerSwitch SDS package is non-metallic, watertight and is engineered to enhance safety and performance for critical power control installations.



DS60-AX

DS30-FAX

DS30-AX

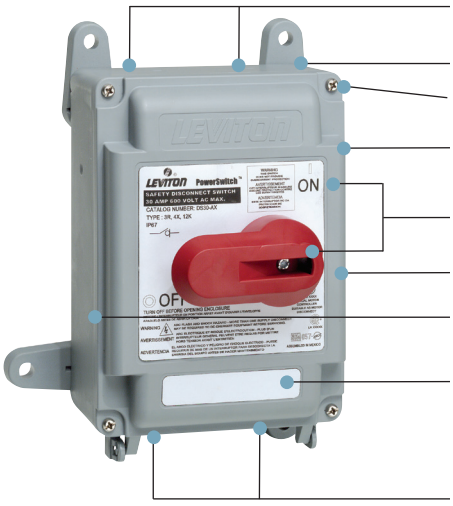
DS100-AX

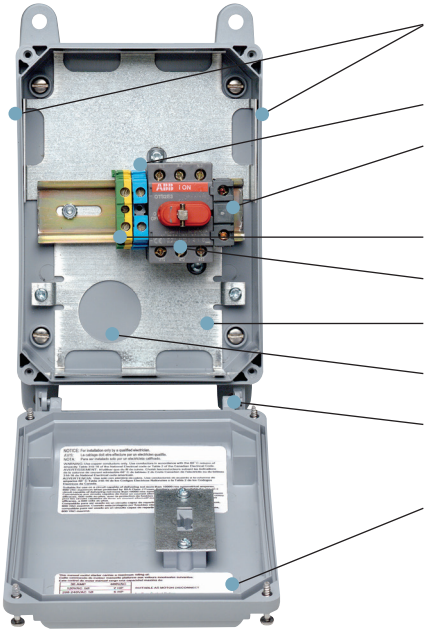
Specifications and Features

- 30 Amp Non-Fused & Fused
- 60 Amp Non-Fused & Fused
- 100 Amp Non-Fused
- Fused models accept "Class-J" Time-Delay Fuses
- Engineered to UL & IEC Watertight Standards
- Backed by a Two-Year Limited Warranty

PowerSwitch®

POWERSWITCH® DS30-AX







Handle with padlock installed

TESTING AND CODE COMPLIANCE
- 30 Amp, Non-Fused Safety Disconnect Switch
- Meets UL 508 Standards
- cUL per CSA Specifications C22.2 #14 Certified
- Engineered to UL & IEC Watertight Standards

PowerSwitch®

Industrial Grade

POWERSWITCH® DS60-FAX

Liquid-tight conduit fitting (sold separately) can be installed for top or bottom feed

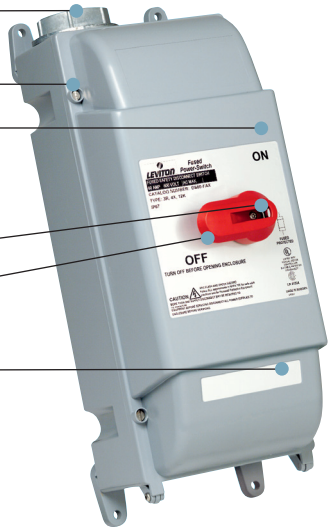
Stainless steel screws are captive and will not fall out when cover is opened

Impact UV and chemical-resistant Valox enclosure rated to UL and IEC watertight standards
- 3R, 4X & 12K
- IP67

Red “pistol grip” handle provides visual confirmation of switch’s status

Integrated lockout handle meets OSHA safety regulations

Circuit identification pad for means of identifying specific equipment loads



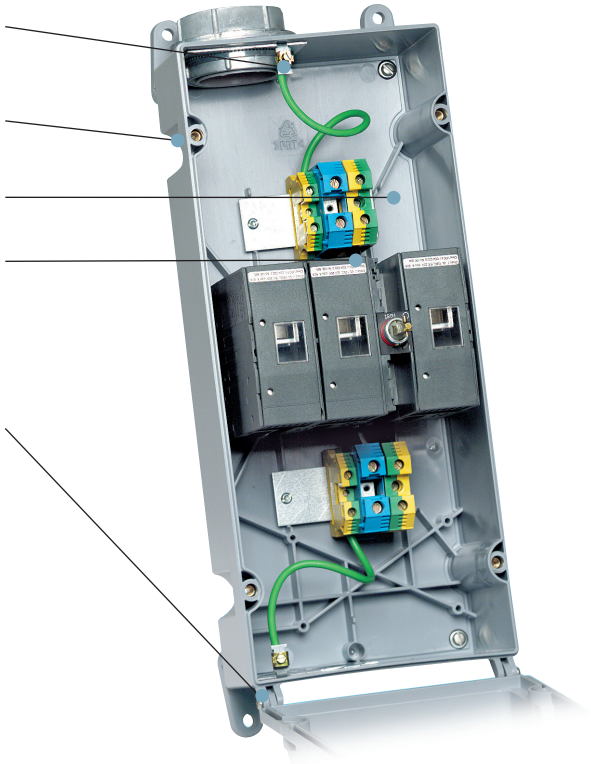
Pre-wired grounding plates (top and bottom of enclosure) connect to metal conduit grounding system

Brass threaded inserts will not strip, provide higher torque, and form tighter seal between back box and cover

Generous wiring space for top to bottom wiring

Disconnect switch with integrated fuse holder offers proven performance in a compact package
- Fused cartridges accept “Class J” fuses (not included)
- 1 Factory installed Auxiliary Contact (Normally Open – 10 Amp)
- Additional Auxiliary Contact Available (Normally Closed – 10 Amp)
- Easily accessible neutral and ground terminal blocks

Rugged hinge mechanism pivots 180° for easy access during installation and maintenance





Handle with padlock installed



Cover Screws: 1-1/8” deep slotted, LG stainless steel
Mounting Screws: 10-24 x 1/2” deep slotted, LG stainless steel

PowerSwitch®

SAFETY DISCONNECT SWITCHES

Description	Amps	Max Voltage	RMS Symmetrical Amperes	Cat No.
Interrupting Ratings	30	600VAC	10,000A	DS30-AX
Non-Fused*	60	600VAC	50,000A	DS60-AX
	100	600VAC	50,000A	DS100-AX
Interrupting Ratings	30	600VAC	200,000A	DS30-FAX
Fused **	60	600VAC	200,000A	DS60-FAX

*Non-Fused are suitable for use on circuits capable of delivering not more than the RMS symmetrical amperes listed on the chart above.
**Fused, when protected by Class J fuses, 600V AC maximum, are suitable for use on circuits capable of delivering not more than the RMS symmetrical amperes listed on the chart above.

MAXIMUM HP RATINGS AS PER UL 508

Volts	Cat. No. Non-Fused			Cat. No. Fused	
	DS30-AX	DS60-AX	DS100-AX	DS30-FAX	DS60-FAX
120VAC	2	2	5	2	N/R
208VAC	5	20	25	7.5	15
240VAC	5	10	15	3	N/R
480VAC	10	20	25	15	N/R
600VAC	N/A	20	20	20	N/R
3Ø Y120/208VAC	10	20	25	7.5	15
3Ø 240VAC	10	20	30	7.5	15
3Ø 480VAC	20	40	50	15	30
3Ø 600VAC	25	40	50	20	30

N/R = Not Rated N/A = Not Available

TESTING AND CODE COMPLIANCE
- Fused (Including 100A Non-Fused -DS100-AX) - UL 98 (File #E63969)
- Non-Fused - UL 508 (File #E63969)
- CSA Certified C22.2 No. 14
- IEC 947-3
- Engineered to UL & IEC Watertight Standards

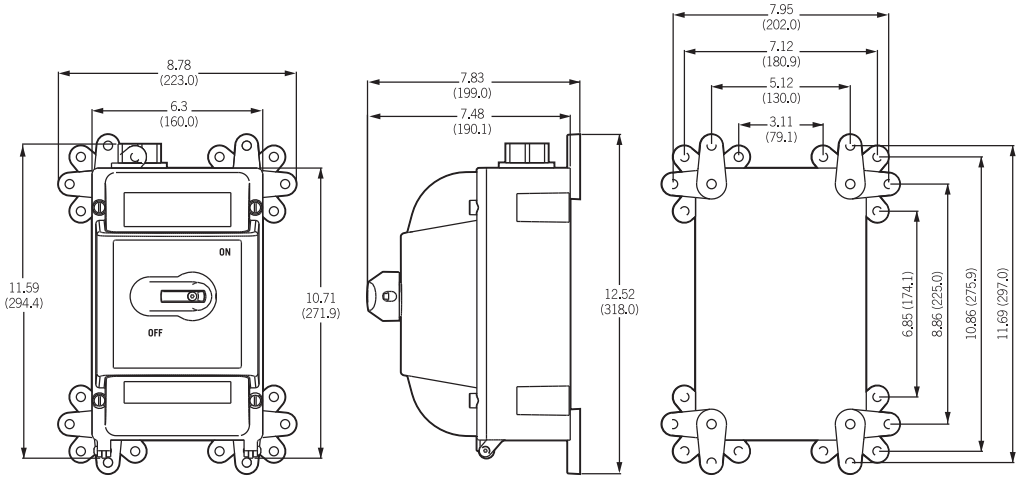
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2 or better per UL 94 or CSA 22.2 No 0.6; V-0 for watertight enclosure
- Rain (3R) per UL 50: Water spray @ 5 psi from all sides for 1 hr
- Hosedown (4X) per UL 50: Water spray @ 65 gal/min for 5 min.
- Dust (12K) per UL 50: Cement dust circulated @ 1000 ft/min. for 5 min.
- Gasket Aging: 70°C for 168 hours
- UV Resistance: Exposed plastic materials are UV stabilized
- Operating Temperature: -40°C to 60°C (-40°F to 140°F)

ELECTRICAL
- Mold Stress Relief: 70°C for 7 hours
- Knockout Test: Remains in place with 20 lb push
- Crush: 100 lb
- Impact 1.2 lb steel ball dropped from 5 ft
- Cold Impact: Same as above, after conditioning to -35°C
- Strength of Insulating Base and Support: 110% of specified tightening torque on terminal screws
- Pullout: 18 lb pull on internal wires

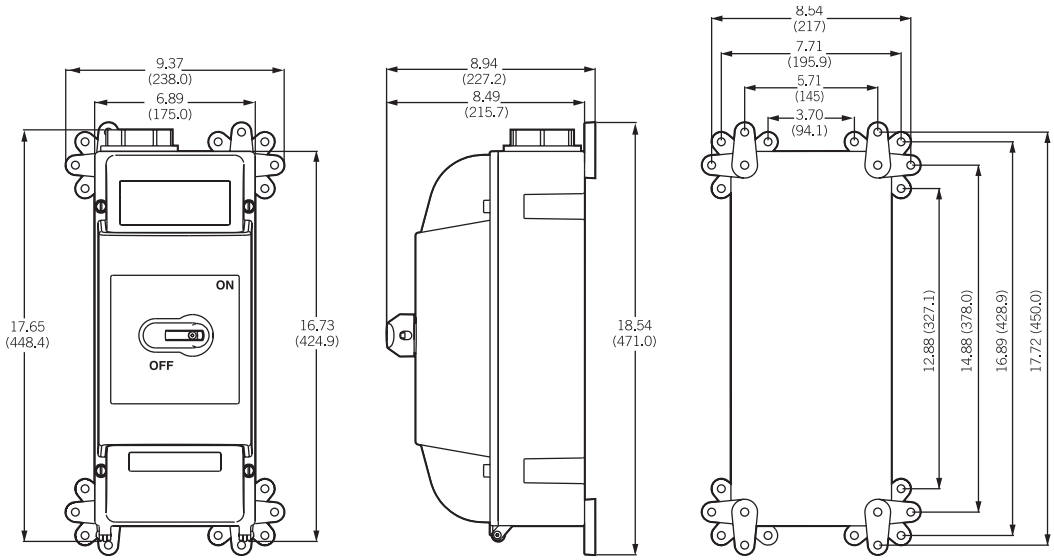
MECHANICAL — GROUND PATH INTEGRITY
- Device – 30A, Current Applied – 60A, Duration – 2 min.
- Device – 60A, Current Applied – 120A, Duration – 4 min.
- Device – 100A, Current Applied – 200A, Duration – 6 min.

Current Interrupting: Certified for current interrupting at full-rated current and voltage. Endurance: 6000 operations at rated current and voltage (power factor 0.75 - 0.80). Dielectric: 1000V plus twice rated voltage for 1 minute.

DIMENSIONS



30 AMP FUSED & 60 AMP NON-FUSED



60 AMP FUSED & 100 AMP NON-FUSED

PowerSwitch® EDSR-23 and MIDSR-23 30Amp, 600VAC Mechanically Interlocked Disconnect Switch with Receptacle

Leviton is pleased to announce the expansion of our line of PowerSwitch mechanical interlock devices with the addition of the MIDSR-23 Mechanically Interlocked Disconnect Switch with Integrated Receptacle. Leviton's MIDSR-23 can be used with any 20A or 30A NEMA locking single receptacle. It meets the requirements for outdoor/indoor applications conforming to UL Standard 50, NEMA environmental ratings of 4X and 12K and is rated IP66 when used in conjunction with Leviton Wetguard™ plugs and receptacles. It is rated IP54 and NEMA 3R with cover closed when not in use.

Specifications and Features

- Meets the requirements of Outdoor/Indoor installations, conforming to IP 66, UL Standard 50, and NEMA Environmental Ratings of 4X, 12K, only when used in conjunction with Leviton Wetguard™ plugs
- Meets the requirements of Outdoor/Indoor installations conforming to IP 54 and NEMA 3R with standard locking NEMA plugs and receptacles with cover closed when not in use
- For use with 20A - 30A NEMA locking plugs up to 600V (sold separately)
- Provides ON-OFF switched control for a connected load
- This enclosure provides lockout capability in compliance with OSHA Lockout/Tagout Regulation 29 CFR Part 1910.147 (in the OFF position) with an acceptable padlock/shackle, thereby assuring the connected equipment cannot be energized
- Auxiliary contact open prior to the line contacts for pilot duty switching
- Backed by a Two-Year Limited Warranty
- Suitable for use on circuits capable of delivering not more than 10,000 RMS Symmetrical Amperes
- Certified to UL 231 and UL 686, UL 98 Fused, UL 508 Non-Fused, CSA C22.2 CE, IEC 309-1 and 309 2 Standards

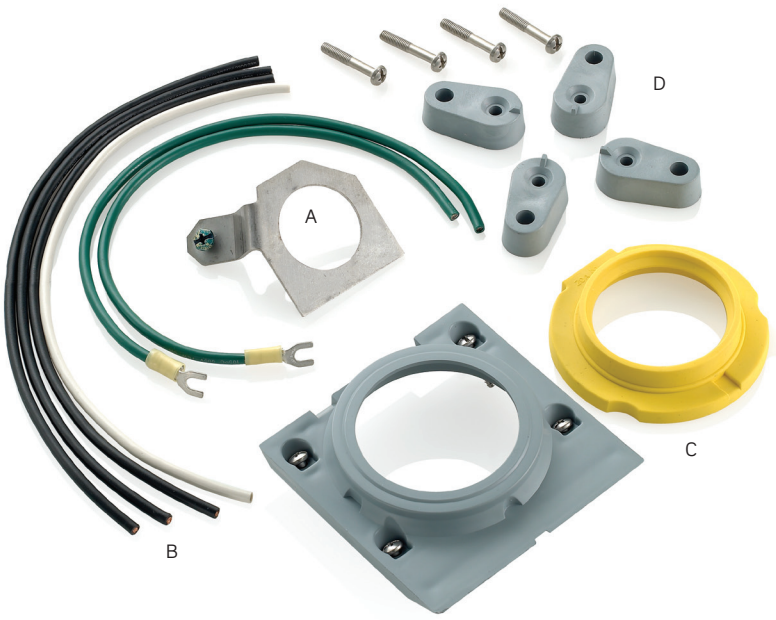
POWERSWITCH® EDSR-23 AND MIDSR-23 ACCESSORIES (INCLUDED)

A. 1-green wire and ground bracket

B. 5 pieces of wire accommodating all receptacle to switch connections (1-white, 1-green, 3-black)

C. Wetguard® seal package for use with corrosion resistant receptacles and Wetguard plugs

D. Mounting feet



PowerSwitch®

LEVITON

Industrial Grade

POWERSWITCH® MIDSR-23

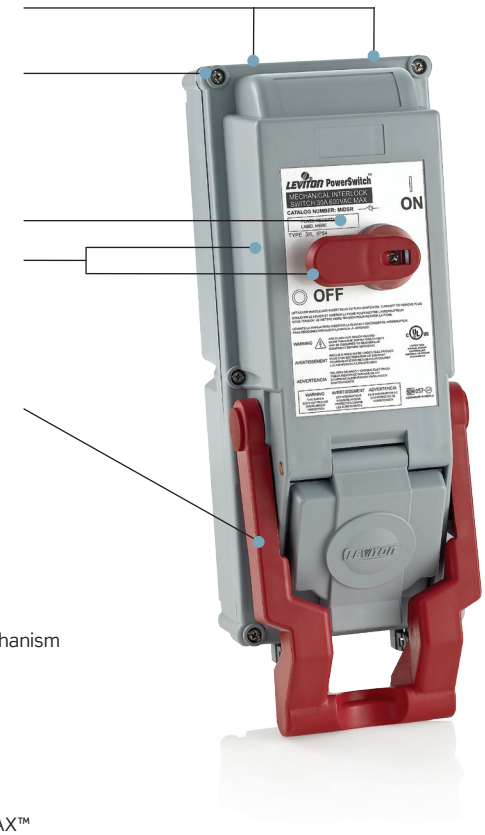
Drill points and ample space provided for bottom or top conduit entry (conduit hub not included)

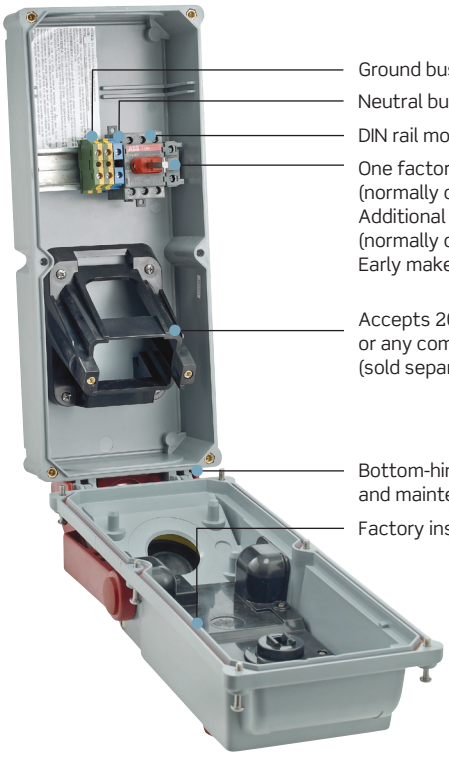
Captive stainless steel screws won't fall out when cover is open

Place receptacle amperage and voltage label here

Impact resistant, non-conductive Valox® thermoplastic housing and handle
Housing material has UL94 V-0 self-extinguishing flammability rating

Interlock mechanism (patent # 6956176) prevents receptacle from being energized when handle is down; constrains plug when up





Ground buss

Neutral buss

DIN rail mounted, IEC non-fused 30A switch mechanism

One factory installed auxiliary contact
(normally open – 10Amp)
Additional auxiliary contacts available
(normally closed – 10Amp)
Early make, late break contacts

Accepts 20A or 30A, up to 600V, Leviton V-0-MAX™
or any competitive NEMA locking flush receptacle
(sold separately)

Bottom-hinged mechanism pivots 180 deg. for easy access during installation and maintenance

Factory installed cover gasket



EDSR-23

SAFETY DISCONNECT SWITCHES

Description	Amps	Max Voltage	RMS Symmetrical Amperes	Cat No.
Interrupting Ratings	30	600VAC	10,000A	EDSR-23
Non-Fused*	30	600VAC	10,000A	MIDSR-23

*Non-Fused are suitable for use on circuits capable of delivering not more than the RMS symmetrical amperes listed on the chart above.

PowerSwitch®

MAXIMUM HP RATINGS AS PER UL 508

Volts	Cat. No. Non-Fused	
	EDSR-23	MIDSR-23
120VAC	2	2
208VAC	5	5
240VAC	5	5
480VAC	10	10
600VAC	N/A	N/A
3Ø Y120/208VAC	10	10
3Ø 240VAC	10	10
3Ø 480VAC	20	20
3Ø 600VAC	25	25

N/A = Not Available

Related Products
For additional North American watertight mechanical interlocks in Pin & Sleeve Devices section.
See page 438 for more information.

TESTING AND CODE COMPLIANCE
- Non-Fused - UL 98 (File #E63969)
- Non-Fused - UL 508 (File #E63969)
- CSA Certified C22.2 No. 14
- IEC 947-3
- Engineered to UL & IEC Watertight Standards

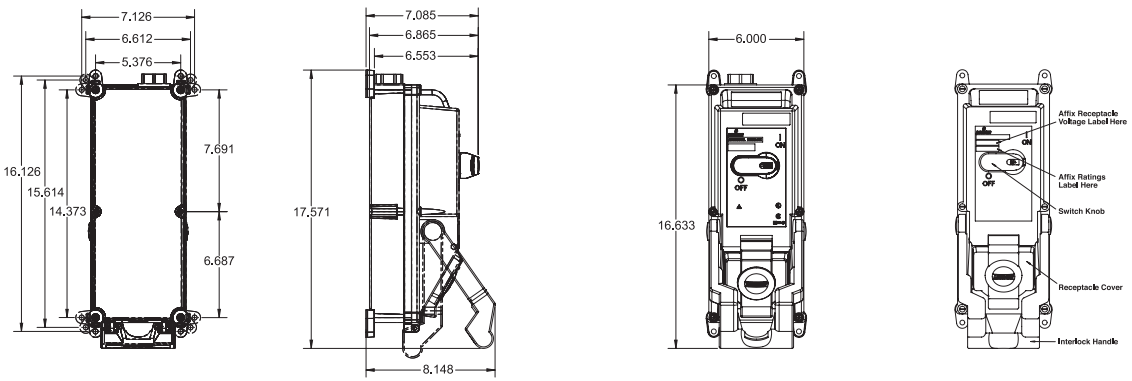
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2 or better per UL 94 or CSA 22.2 No 0.6; V-0 for watertight enclosure
- Rain (3R) per UL 50: Water spray @ 5 psi from all sides for 1 hr
- Hosedown (4X) per UL 50: Water spray @ 65 gal/min for 5 min.
- Dust (12K) per UL 50: Cement dust circulated @ 1000 ft/min. for 5 min.
- Gasket Aging: 70°C for 168 hours
- UV Resistance: Exposed plastic materials are UV stabilized
- Operating Temperature: -40°C to 60°C (-40°F to 140°F)

ELECTRICAL
- Mold Stress Relief: 70°C for 7 hours
- Knockout Test: Remains in place with 20 lb push
- Crush: 100 lb
- Impact 1.2 lb steel ball dropped from 5 ft
- Cold Impact: Same as above, after conditioning to -35°C
- Strength of Insulating Base and Support: 110% of specified tightening torque on terminal screws
- Pullout: 18 lb pull on internal wires

MECHANICAL — GROUND PATH INTEGRITY
- Device - 30A, Current Applied - 60A, Duration - 2 min.

Current Interrupting: Certified for current interrupting at full-rated current and voltage. Endurance: 6000 operations at rated current and voltage (power factor 0.75 - 0.80).
Dielectric: 1000V plus twice rated voltage for 1 minute.

DIMENSIONS



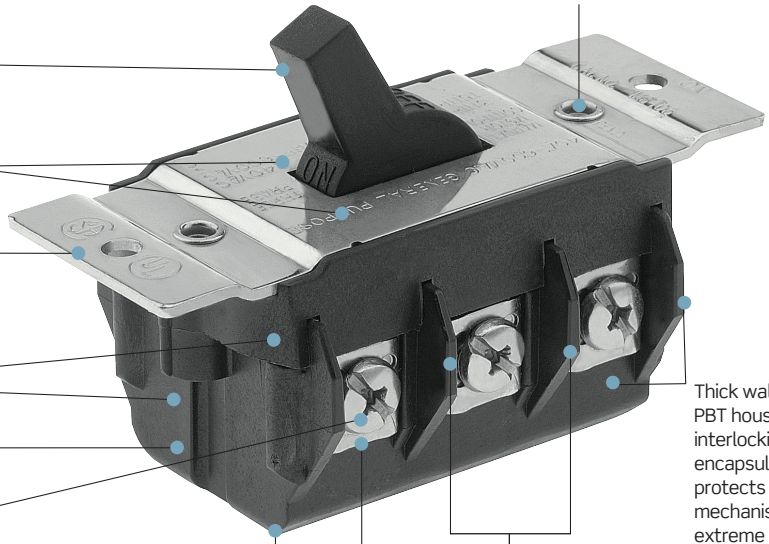
MIDSR-23

Industrial Grade

MS403-DS

Suitable as Motor Disconnect

All 30 and 40A motor starters are listed suitable as motor disconnect when protected by a 30A time-delay fuse.



Oversized PBT toggle is easy to turn ON/OFF with gloved hand and capable of withstanding extreme impact, harsh chemical attack, and prolonged ultraviolet exposure

Mounting yoke is permanently marked with catalog number, amperage, voltage and horsepower ratings for easy identification

Robust, full-face, nickel-plated, brass mounting yoke offers exceptional strength and corrosion-resistance

Impact-resistant PBT face and base

Internal chamber barriers prevent flash-over between contact sets

#10 triple-combination nickel-plated terminal screws resist loosening from vibration and facilitates tightening to proper torque ranges

Multiple termination design accepts back and side wiring, terminal clamps, or ring terminals

Topped roll-over brass bushings secure yoke to device

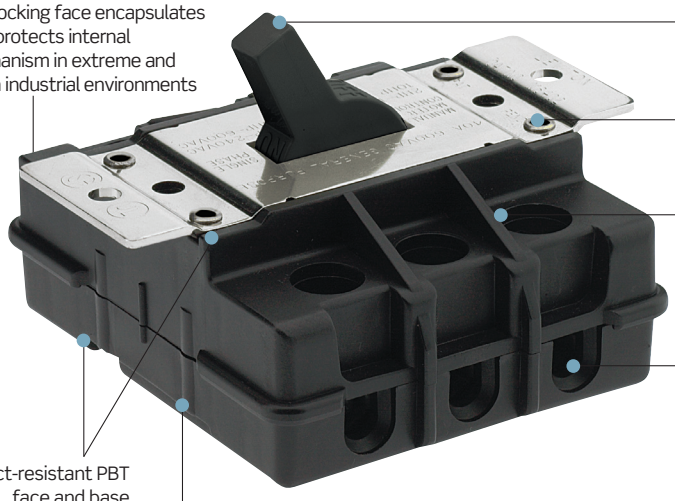
Thick walled PBT housing and interlocking face encapsulates and protects internal mechanism in extreme and harsh industrial environments

Insulating barriers provide terminal isolation between phases

Strip gauge and terminal identification permanently marked on base of device

Side and back wired terminal screws accept up to a #10 AWG solid copper wire

MS602-FW



Thick walled PBT housing and interlocking face encapsulates and protects internal mechanism in extreme and harsh industrial environments

Large toggle is easy to turn ON/OFF with gloved hand

Topped roll-over zinc-plated brass bushings secure yoke to device

Insulating barriers provide terminal isolation between phases

Front or back wired terminal screws accept up to a #4 stranded AWG or #10 solid AWG copper wire

Impact-resistant PBT face and base

Internal chamber barriers prevent flash-over between contact sets

TESTING AND CODE COMPLIANCE (30A, 40A, 60A)

- UL 508 Listed cUL per CSA Specification C22.2 No. 14 Certified
- Rated V-0 per UL94
- 30A and 40A are listed suitable as motor disconnect

AC Manual Motor Starting Switches

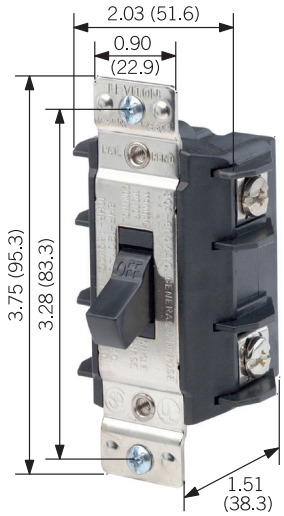
Specifications and Features

Motor Starting Switches

- All molded parts are thermoplastic to resist impacts, chemicals, temperature, tracking and arcing
- 30 Amp and 40 Amp switches are listed suiitable as motor disconnect when protected by a 30 Amp time-delay fuse
- Positive-contact design enhances fast-make/slow-break
- Silver-alloy contacts for maximum conductivity and service life
- Back and side wire terminals accept up to #10 AWG solid copper wire. For stranded #8 AWG wire, remove terminal clamp and use ring terminal (sold separately)
- Oversized #10 triple-combination terminal screws are vibration resistant
- Insulating barrier between terminals provide isolation from each phase
- Nickel-plated brass mounting yoke for superior corrosion resistance
- Large toggle provides positive actuation, even with gloved hand
- Backed by a Limited Ten-Year Warranty

Welding Starting Switch

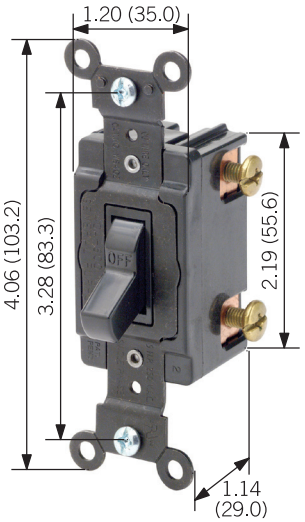
- Capable of accommodating bus bar termination in multi-gang applications
- Hole for mounting hardware supports panel mounting with self-threading fasteners or pop rivets
- Terminal screws accept up to # 10 AWG solid copper wire. For stranded # 8 AWG wire, remove terminal clamp and use ring terminal (sold separately)
- Fast-threading, corrosion-resistant brass triple combination screws for fast, easy installation
- Backed by a Limited Ten-Year Warranty



MS302-DS
NOTE: MS302-DSS Toggle Length, .64 (16.3 mm)



N1303-DS



WS402

BACK AND SIDE WIRED/FRONT WIRED - MOTOR STARTING U S

Description	Color	Max HP Rating	Switch In Steel Type 1 Encl.	Switch In Steel Type 3R Encl.	Switch In Type 4X Encl.*	Switch Only
Rating			**30A - 600VAC**			
Double-pole, single-throw without overload protection Disconnect Rated	Black	2HP 120VAC 5HP 240VAC 10HP 480VAC 15HP 600VAC	N1302-DS	N3302-DS	MS4X-302	MS302-DS
Disconnect marked Enclosure ONLY	Black		N13NC-DS	N33NC-DS	—	—
Double-pole – Short Toggle Version Disconnect Rated	Black	2HP 120VAC 5HP 240VAC 10HP 480VAC 15HP 600VAC	—	—	—	MS302-DSS
Three-pole, single-throw without overload protection Disconnect Rated	Black	3HP 120VAC 7.5HP 240VAC 15HP 480VAC 20HP 600VAC	N1303-DS	N3303-DS	MS4X-303	MS303-DS
	Black Thermoplastic		N1303-TDS**	—	—	—
Disconnect marked Enclosure ONLY	Black Thermoplastic		N13NC-TDS**	—	—	—
Three-pole – Short Toggle Version Disconnect Rated	Black	3HP 120VAC 7.5HP 240VAC 15HP 480VAC 20HP 600VAC	—	—	—	—
			—	—	—	MS303-DSS
Rating				**40A - 600VAC**		
Double-pole, single-throw without overload protection Disconnect Rated	Black	2HP 120VAC 5HP 240VAC 10HP 480VAC 15HP 600VAC	—	—	MS4X-402	MS402-DS
Three-pole, single-throw without overload protection Disconnect Rated	Black	3HP 120VAC 7.5HP 240VAC 15HP 480VAC 20HP 600VAC	—		MS4X-403	MS403-DS
Rating				**60A - 600VAC**		
Double-pole, single-throw without overload protection Back Wired	Black	10HP 240VAC 15HP 480VAC 20HP 600VAC	—		—	MS602-BW
Double-pole - Front Wired	Black	10HP 240VAC 15HP 480VAC 20HP 600VAC	—	N3602	—	MS602-FW
Three-pole, single-throw without overload protection Back Wired	Black	10HP 240VAC 25HP 480VAC 30HP 600VAC	—		—	MS603-BW
Three-pole - Front Wired	Black	10HP 240VAC 25HP 480VAC 30HP 600VAC	—	— N3603	—	MS603-FW
Enclosure ONLY	Black		—	— N36NC	—	—

* 4X Enclosures are high impact Valox™ in wateright enclosure rated rated 4X, 3R, 12K and IP67.
** Enclosure has black thermoplastic cover with steel box.

SIDE WIRED - WELDER SWITCH

Description	Color	Cat No.	
Rating		**40A - 600VAC**	
		Max HP Rating	**Switch Only**
Double-pole, single-throw	Black	5HP 250VAC	WS402*

* UL recognized component for OEM use. Terminal screws packaged separately.

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1 & 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)
- WS402 UL Recognized component (File# E63968)

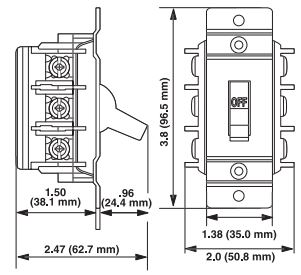
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

ELECTRICAL
- Dielectric Voltage: Withstands 2200V for 1 min.
- Overload UL 528 Test: 50 cycles of overload at 6 times rated current
- Temp. Rise: 50° C max at full rated current
- Tungsten filament lamp load (Fed. Spec.) WS896E, SP, DP, 3-Way
- Endurance: UL 508 Test: 6000 cycles inductive motor type load. Dual rated. General and manual motor control

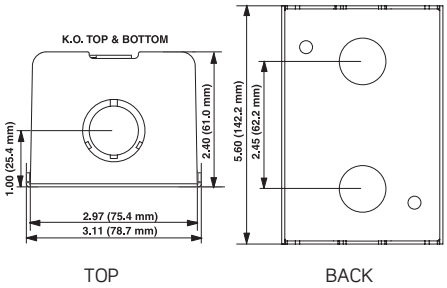
MECHANICAL
- Terminal I.D.: T1, T2, T3, L1. L2 and L3 marked on back of device
- Terminal Accomm.: #10-#4 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 25 inch pounds

Related Products
For complementing wallplates **See page 715 for more information.**

DIMENSIONS

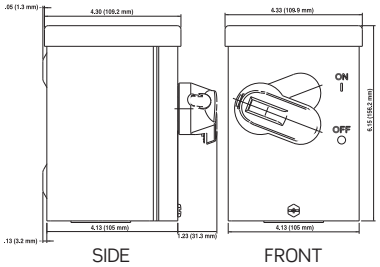


MS402-DS & MS403-DS



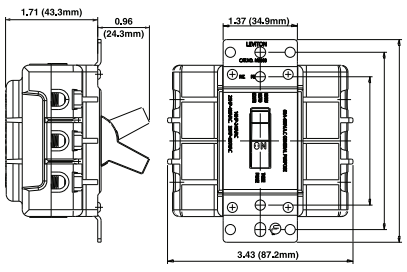
TOP BACK

N13NC-DS

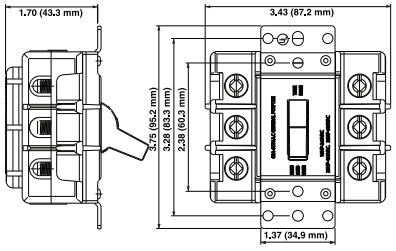


SIDE FRONT

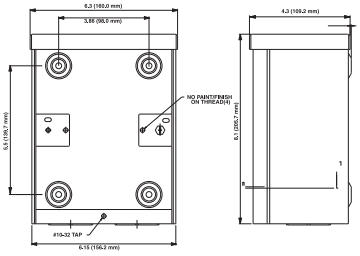
N3302-DS, N3303-DS & N33NC-DS



MS602-BW & MS603-BW



MS602-FW & MS603-FW



BACK SIDE

N3602-DS, N3603-DS & N36NC-DS

LEVITON

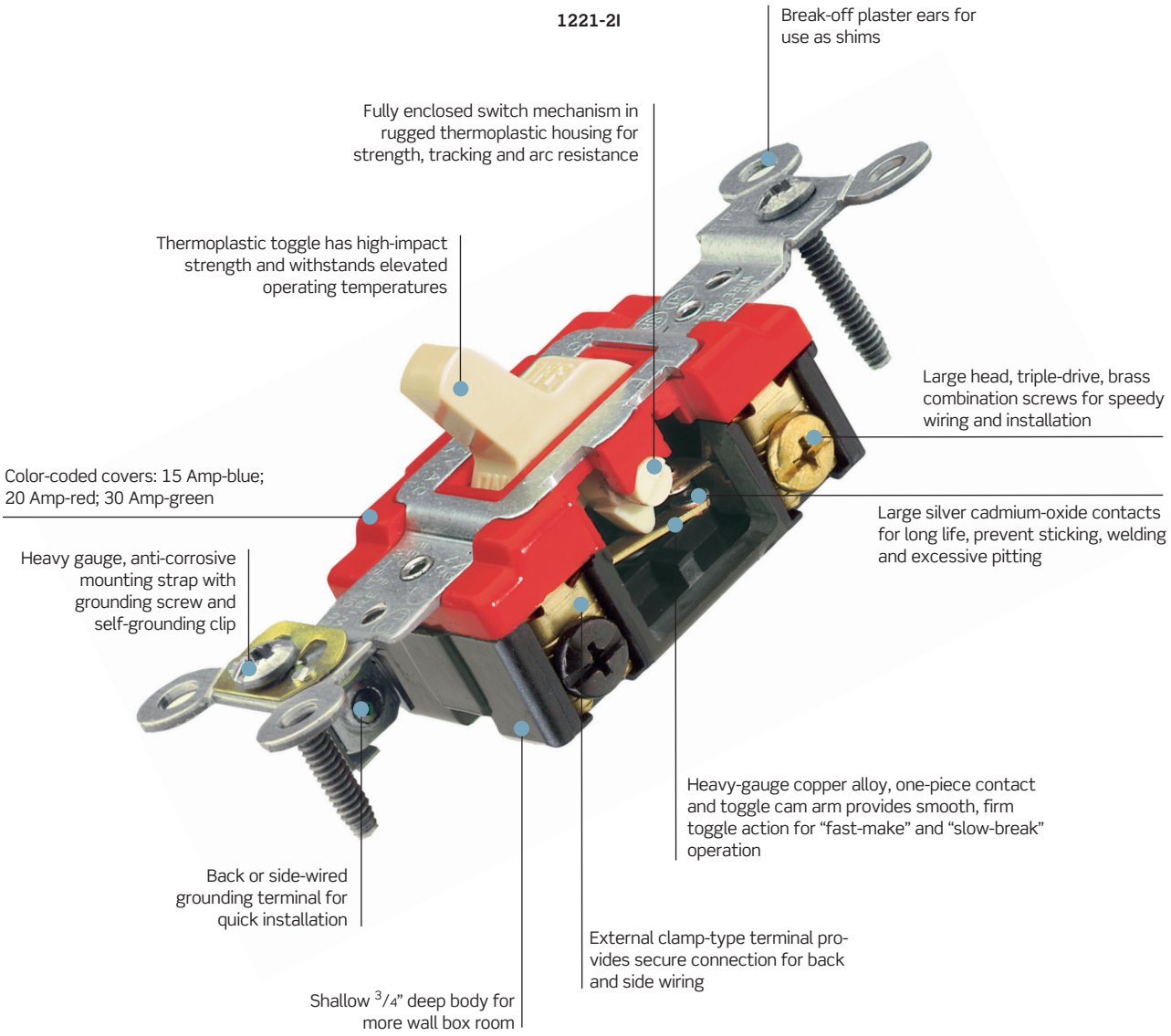
Industrial Grade

Extra Heavy-Duty Specification Grade Toggle and Locking Switches

Leviton's Industrial Grade AC toggle switches for extra heavy-duty applications represent top-of-the-line quality and peak performance. Leviton uses the finest materials available and the highest production standards to produce industrial switches of unmatched versatility and reliability.

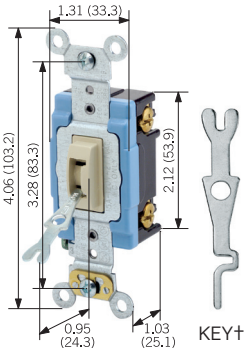
Specifications and Features

- Top-of-the-line industrial quality
- Heavy gauge copper alloy one-piece arm for top performance
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Color-coded covers: 15 Amp-Blue; 20 Amp-Red; 30 Amp-Green
- Fully enclosed switch mechanism in rugged housing for strength, tracking and arc resistance
- Brass combination-head terminal screws on Extra Heavy-Duty devices, steel combination head terminal screws on other devices
- Self-grounding clip (self-grounding when used with a grounded metal wallbox)
- Wire lead switches for fast and easy installation
- Backed by a Limited Ten-Year Warranty

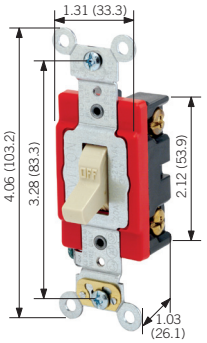


BACK AND SIDE WIRED/WIRE LEAD U S

Description	Color	Cat No.		
Rating		120/277VAC		
		15A	20A	30A
Single Pole	White	1201-2W	1221-2W	3031-2W
	Ivory	1201-2I	1221-2I	3031-2I
	Light Almond	—	1221-2T	—
	Grey	1201-2GY	1221-2GY	—
	Black	—	1221-2E	—
	Brown	1201-2	1221-2	3031-2
	Red	1201-2R	1221-2R	—
Single Pole, Locking†	White	—	1221-2WL	—
	Ivory	1201-2IL	1221-2IL	—
	Grey	—	1221-2GL	—
	Black	—	1221-2EL	—
	Brown	1201-2L	1221-2L	3031-2L
	Red	—	1221-2RL	—
Single Pole, with 6" Wire Leads	White	1241-W	1243-W	
	Ivory	1241-I	1243-I	
Double Pole	White	1202-2W	1222-2W	3032-2W
	Ivory	1202-2I	1222-2I	3032-2I
	Grey	1202-2GY	1222-2GY	—
	Black	—	1222-2E	—
	Brown	1202-2	1222-2	3032-2
	Red		1222-2R	—
Double Pole, Locking†	Ivory	—	1222-2IL	—
	Brown	1202-2L	1222-2L	3032-2L
3-Way	White	1203-2W	1223-2W	3033-2W
	Ivory	1203-2I	1223-2I	3033-2I
	Light Almond	—	1223-2T	—
	Grey	1203-2GY	1223-2GY	—
	Black	—	1223-2E	—
	Brown	1203-2	1223-2	3033-2
	Red	1203-2R	1223-2R	—
3-Way, Locking†	White	—	1223-2WL	—
	Ivory	1203-2IL	1223-2IL	—
	Grey	—	1223-2GL	—
	Brown	1203-2L	1223-2L	3033-2L
3-Way, with 6" Wire Leads	White	1242-W	1244-W	
	Ivory	1242-I	1244-I	
4-Way	White	1204-2W	1224-2W	
	Ivory	1204-2I	1224-2I	
	Light Almond	—	1224-2T	
	Grey	1204-2GY	1224-2GY	
	Black	—	1224-2E	
	Brown	1204-2	1224-2	
	Red	—	1224-2R	
4-Way, Locking†	White	—	1224-2WL	
	Ivory	—	1224-2IL	
	Grey	—	1224-2GL	
	Brown	1204-2L	1224-2L	



1201-2IL



1221-2I

†Key for Locking Switch: Cat. No. 55500-PRT.
NOTE: Cat. Nos. 1201, 1221 feature external clamp-type wiring termination for back and side wiring.

Continued On Next Page >

Continued From Previous Page ›

Description	Color	Cat No.		
Rating			120/277VAC	
		15A	20A	30A
Heavy-Duty Single Pole	White		1221-SW	—
	Ivory		1221-SI	—
	Light Almond		1221-ST	—
	Grey		1221-SGY	—
	Brown		1221-S	—
	Red		1221-SR	—
Heavy-Duty Double Pole	White		1222-SW	—
	Ivory		1222-SI	—
	Grey		1222-SGY	—
	Brown		1222-S	—
Heavy-Duty 3-Way	White		1223-SW	—
	Ivory		1223-SI	—
	Light Almond		1223-ST	—
	Grey		1223-SGY	—
	Brown		1223-S	—
	Red		1223-SR	—
Heavy-Duty 4-Way	White		1224-SW	—
	Ivory		1224-SI	—
	Grey		1224-SGY	—
	Brown		1224-S	—

†Key for Locking Switch: Cat. No. 55500-PRT.
NOTE: Cat. Nos. 1201, 1221 feature external clamp-type wiring termination for back and side wiring.

BACK AND SIDE WIRED - CANADIAN S

Description	Color	Cat No.		
Rating			347VAC	
		15A	20A	30A
Single Pole	White	18201-W	18221-W	—
	Ivory	18201-I	18221-I	—
	Grey	18201-G	18221-G	—
	Brown	18201-B	18221-B	—
	Red	18201-R	18221-R	—
Single Pole, Locking†	Brown	18201-LB	18821-LB	—
Double Pole	Ivory	18202-I	18222-I	—
	Brown	18202-B	18222-B	—
Double Pole, Locking†	Brown	18202-LB	18222-LB	—
3-Way	White	18203-W	18223-W	—
	Ivory	18203-I	18223-I	—
	Grey	18203-G	18223-G	—
	Brown	18203-B	18223-B	—
	Red	18203-R	18223-R	—
3-Way, Locking†	Brown	18203-LB	18223-LB	—
4-Way	Ivory	18204-I	18224-I	—
	Grey	18204-G	—	—
	Brown	18204-B	18224-B	—
	Red	18204-R	—	—

†Key for Locking Switch: Cat. No. 55500-PRT.
NOTE: Cat. Nos. 18201, 18221, 1203, 1223, 18203 and 18223 feature external clamp-type wiring termination for back and side wiring.

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1 & 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)

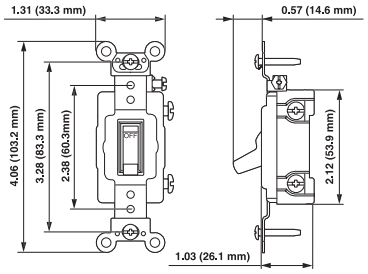
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed.Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

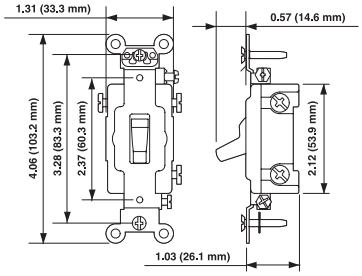
MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

HORSEPOWER
- 15A — ½ @ 120V, 2 @ 240V 12 AMP Max
- 20A — 1 @ 120V, 2 @ 240V 16 AMP Max
- 30A — 2 @ 120V, 2 @ 240V 24 AMP Max

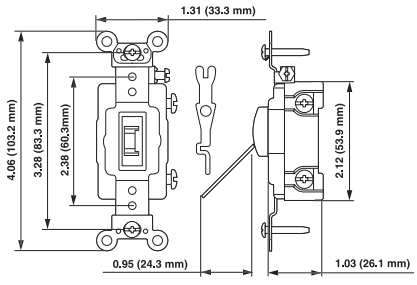
DIMENSIONS



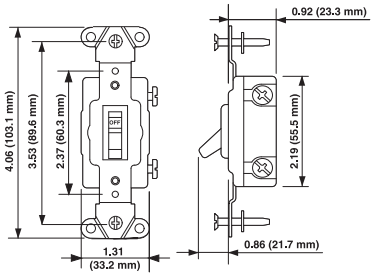
SINGLE-POLE



3-WAY



LOCKING



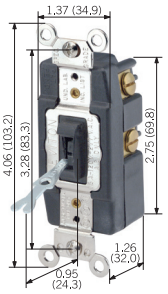
LEVITON

Industrial Grade

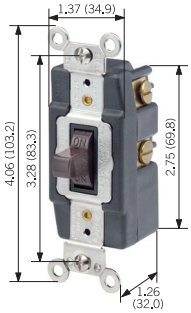
Maintained and Momentary Contact Extra Heavy-Duty Specification Grade Toggle Switches

Specifications and Features

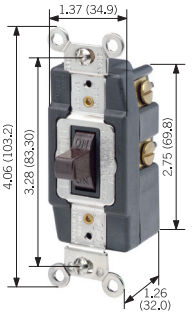
- Positive switching action with center-off position
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Clamp-type terminals accept up to #10 CU wire
- Full rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity up to 80% switch current rating
- Backed by a Limited Ten-Year Warranty



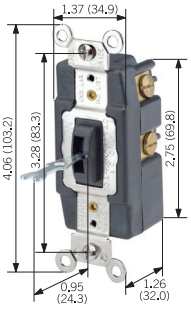
1281-L



1285



1256



1257-L

BACK AND SIDE WIRED - MAINTAINED CONTACT U S

Description	Color	Cat No.		
Rating		120/277VAC		
		15A	20A	30A
Single Pole, Double Throw, Center Off	White	1281-W	1285-W	—
	Ivory	1281-I	1285-I	1287-I
	Grey	—	1285-GY	—
	Brown	1281	1285	1287
	Red	—	1285-R	—
Single Pole, Double Throw, Locking†	Black	1281-L	1285-L	1287-L
Single Pole, Double Throw, Center Off	White	1282-W	1286-W	1288-W
	Ivory	1282-I	1286-I	1288-I
	Brown	1282	1286	1288
Double Pole, Double Throw, Locking†	Ivory	—	—	1288-LI
	Black	—	—	1288-L

†Key for Locking Switch: Cat. No. 55500-PRT.

BACK AND SIDE WIRED - MOMENTARY CONTACT U S

Description	Color	Cat No.		
Rating		120/277VAC		
		15A	20A	30A
Single Pole, Double Throw, Center Off	White	1256-W	—	—
	Ivory	1256-I	1257-I	—
	Grey	1256-GY	—	—
	Brown	1256	1257	1260*
	Red	—	1257-R	—
Single Pole, Double Throw, Center Off, Locking†	Ivory	—	1257-LI	—
	Brown	—	1257-L	—
Single Pole, Double Throw, Center Off	Brown	—	—	1262*

†Key for Locking Switch: Cat. No. 55500-PRT.
CSA Certified except where indicated by*.

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1 & 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)

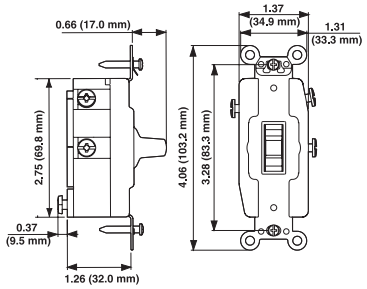
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed.Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

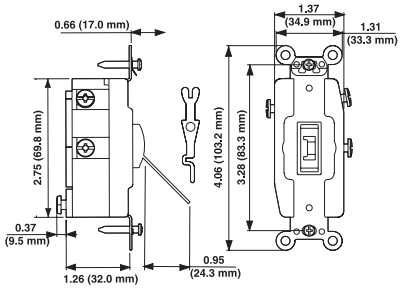
MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White Neutral, Green Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

HORSEPOWER
- 15A — ½ @ 120V, 2 @ 240V 12 AMP Max
- 20A — 1 @ 120V, 2 @ 240V 16 AMP Max
- 30A — 2 @ 120V, 2 @ 240V 24 AMP Max

DIMENSIONS



SINGLE POLE



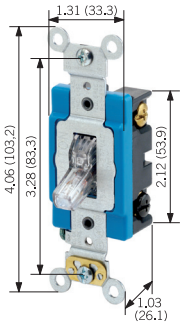
LOCKING

Pilot Light and Lighted Handle Extra Heavy-Duty Specification Grade Toggle Switches

Specifications and Features
- Pilot light and lighted handle switches provide top performance in punishing industrial applications
- Lighted handle illuminated when load is OFF. Pilot light toggle illuminated when load is ON
- 120 and 277V versions in single pole and 3-Way
- Fully enclosed switch mechanism in rugged housing for strength, track and arc resistance
- Self-grounding clip (self-grounding when used with a grounded metal wallbox)
- Backed by a Limited Ten-Year Warranty

BACK AND SIDE WIRED - PILOT LIGHT U S

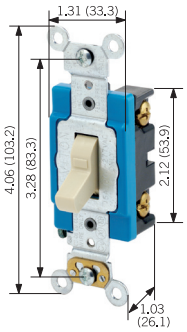
Description	Colors	Cat No.			
Rating		**15A - 120V**	**20A - 120V**	**20A - 277V**	**30A - 120V**
Single Pole	Clear	1201-PLC	1221-PLC	1221-7PC	3031-PLC
	Red	1201-PLR	1221-PLR	1221-7PR	3031-PLR
	Green	1201-PLG	1221-PLG	–	–
Double Pole	Clear	–	1222-PLC	–	3032-PLC
	Red	1202-PLR	1222-PLR	1222-7PR	3032-PLR
	Green	–	1222-PLG	–	–
3-Way	Clear	1203-PLC	1223-PLC	–	
	Red	1203-PLR	1223-PLR	1223-7PR	
	Green	1203-PLG	1223-PLG	–	



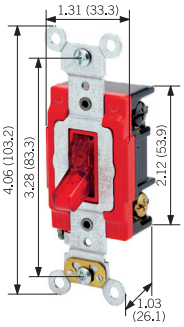
1201-PLC

LEVITON

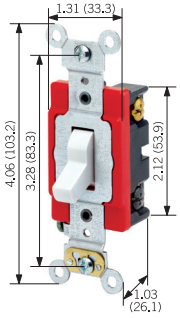
Industrial Grade



1201-LHI



1222-PLR



1223-LHW

BACK AND SIDE WIRED - LIGHTED HANDLE U S

Description	Color	Cat No.			
Rating		**15A - 120V**	**20A - 120V**	**20A - 277V**	**30A - 120V**
Single Pole	Clear	1201-LHC	1221-LHC	1221-7LC	–
	White	1201-LHW	1221-LHW	1221-7LW	–
	Ivory	1201-LHI	1221-LHI	1221-7LI	3031-LHI
3-Way	Clear	1203-LHC	1223-LHC	1223-7LC	
	White	1203-LHW	1223-LHW	1223-7LW	
	Ivory	1203-LHI	1223-LHI	1223-7LI	

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1 & 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)

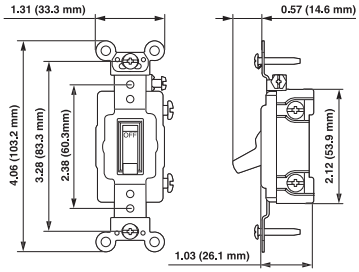
MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed.Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

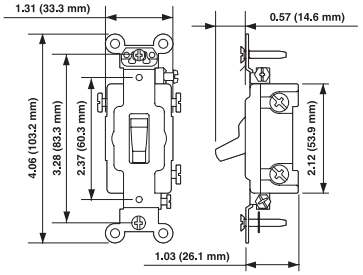
MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

HORSEPOWER
- 15A — ½ @ 120V, 2 @ 240V 12 AMP Max
- 20A — 1 @ 120V, 2 @ 240V 16 AMP Max
- 30A — 2 @ 120V, 2 @ 240V 24 AMP Max

DIMENSIONS



SINGLE POLE



3-WAY

Extra Heavy-Duty Specification Grade Key Locking Switches

Specifications and Features

- Heavy-Duty key-operated locking mechanism for maximum tamper-proof operation in schools, institutions, public housing, trailer parks, loading docks, freight yards and other areas
- Chrome lock dome with 2 keys provided per switch
- Back and side wire terminals accept up to #14 – #10 AWG copper or copper clad wire
- Large, combination head terminal screws with external clamps
- Triple-combination mounting screws for fast, easy installation
- Heavy-gauge rust-resistant mounting strap with steel grounding screw and self-grounding clip (self grounding when used in a properly grounded metal wallbox)
- Key removable in ON or OFF positions
- Backed by a Limited Ten-Year Warranty

KEY LOCKING SWITCHES U S

Description	Color	Cat No.
Rating		**20A - 120/277VAC**
Single-Pole Key Lock Power Switch, 2 keys provided	Nickel Plated	1221-2KL
Double-Pole Key Lock Power Switch, 2 keys provided	Nickel Plated	1222-2KL
3-Way Key Lock Power Switch, 2 keys provided	Nickel Plated	1223-2KL
4-Way Key Lock Power Switch, 2 keys provided	Nickel Plated	1224-2KL
Replacement Keys, 2 per pack		2KL

Note: Key Lock Power Switches are not recommended for use on Master or Emergency Power Systems.

WALLPLATES AND WALLBOXES

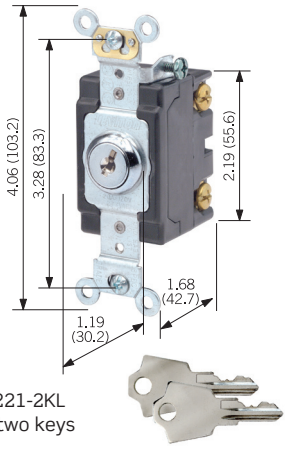
Description	Cat. No.
302 Stainless Steel comes with tamper-resistant screws and spanner tool	
FD or Deep Wallbox recommended minimum internal depth	
$2^{3}/_{4}$" single cover/gang adapter extends shallow wallbox, use with stainless wallplate	
1-Gang	84071-40
2-Gang	84072-40
3-Gang	84073-40

Related Products
Leviton offers a complete line of wallplates.
See page 707 for more information.


6197,
6197-I,
6197-W


FD/Deep
Wallbox


84701-40



1221-2KL
w/two keys

Industrial Grade

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1 & 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

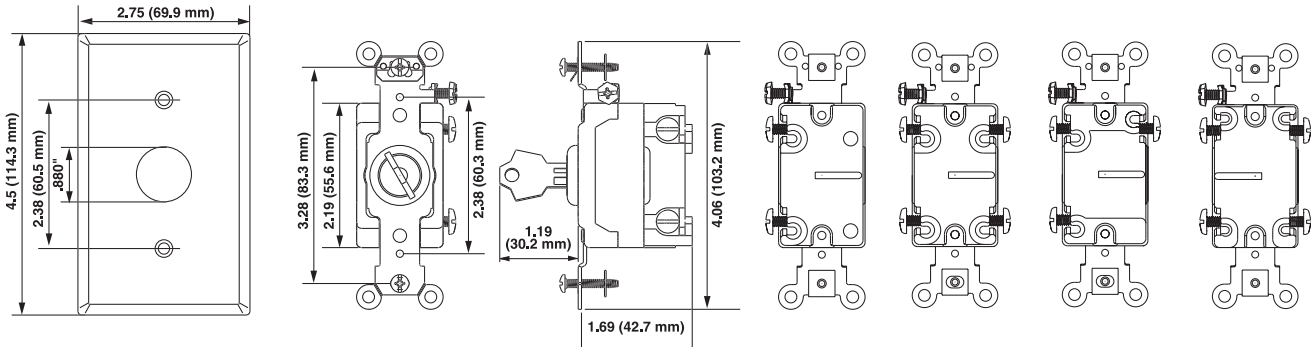
HORSEPOWER
- 20A, 1 @ 120V, 2 @ 240V, 16 AMP Max

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed. Spec.) WS896E, SP, DP, 3-Way, 4-way, Pilot Light, Illum., Key Lock

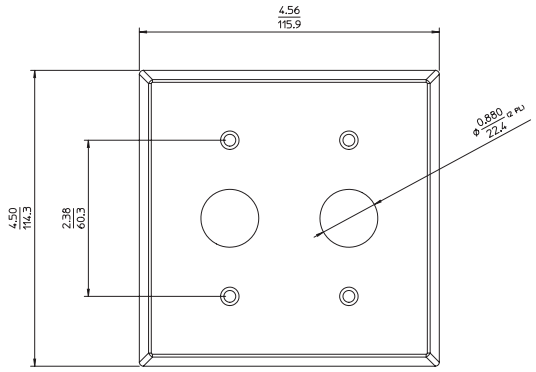
MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pound

Related Products
To review the complete Leviton Wallplates collection **see the Leviton Wallplates Section beginning on page 707.**

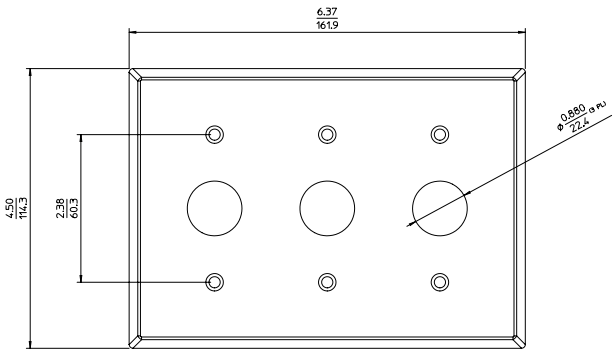
DIMENSIONS



84071 | 1P | 2P | 3-WAY | 4-WAY



84072



84073

Decora Plus™ AC Quiet Commercial Specification Grade Rocker Switches

Decora Plus devices combine designer styling with all the benefits of rugged Commercial Grade construction. The robust product offering includes: single pole, double pole, 3 and 4-way switches, momentary and maintained contact switches, as well as pilot light and illuminated switches.

Specifications and Features

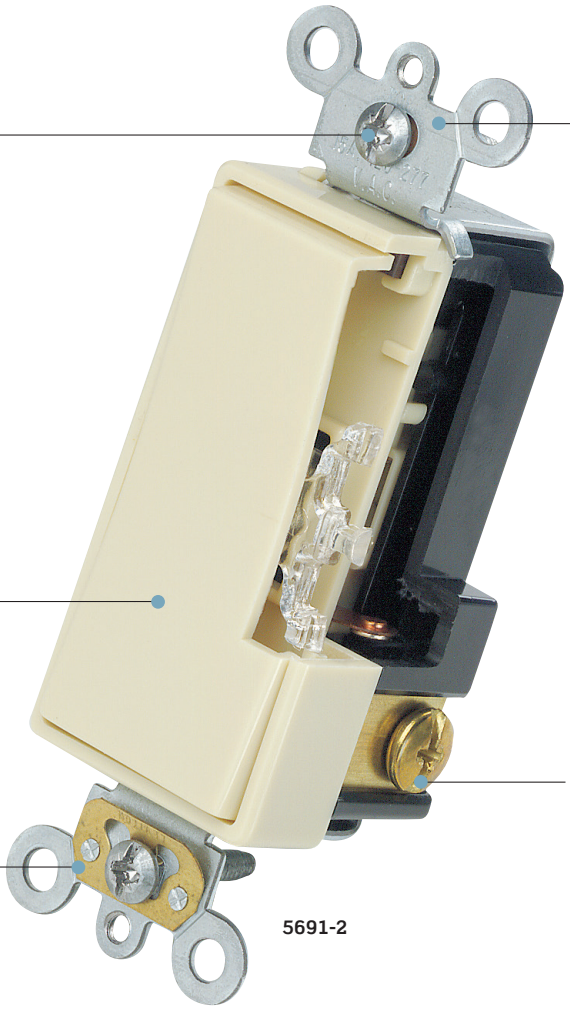
- Engineered for fine tolerances and top performance
- Decora Plus Switches feature impact resistant thermoplastic construction for long service life
- All Decora devices meet or exceed applicable UL, CSA and NOM testing standards

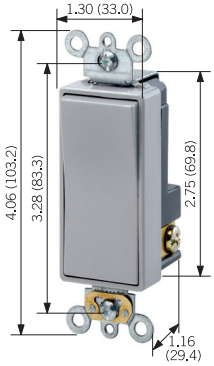
AC Quiet Rocker Switches

- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- New architecturally-styled smooth-action concave rocker
- Heavy-duty impact-resistant thermoplastic construction for long service life in commercial applications
- Two ground connection options: a green grounding screw and a self-grounding clip
- Backed by a Limited Ten-Year Warranty

Canadian Switches

- Decora Plus Canadian switches fit only those wallplates designated
- Canadian Decora wallplates available in a number of colors and fit "Commander Type" boxes

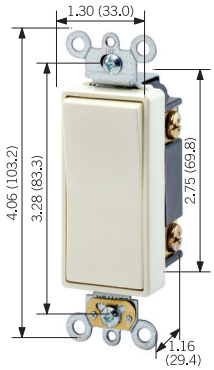




5691-2GY

BACK AND SIDE WIRED U S

Description	Color	Cat No.	
Rating		**120/277VAC**	
		15A	**20A**
Single Pole	White	5691-2W	5621-2W
	Ivory	5691-2I	5621-2I
	Light Almond	5691-2T	5621-2T
	Grey	5691-2GY	5621-2GY
	Black	5691-2E	5621-2E
	Brown	5691-2	5621-2
	Red	—	5621-2R
Double Pole	White		5622-2W
	Ivory		5622-2I
	Light Almond		5622-2T
	Grey		5622-2GY
	Black		5622-2E
3-Way	White	5693-2W	5623-2W
	Ivory	5693-2I	5623-2I
	Light Almond	5693-2T	5623-2T
	Grey	5693-2GY	5623-2GY
	Black	5693-2E	5623-2E
	Brown	5693-2	5623-2
	Red		5623-2R
4-Way	White		5624-2W
	Ivory		5624-2I
	Light Almond		5624-2T
	Grey		5624-2GY
	Brown		5624-2



5693-2A

BACK AND SIDE WIRED - CANADIAN S

Description	Color	Cat No.	
Rating		**347VAC**	
		15A	**20A**
Single Pole	White	5691-CW	5621-CW
	Ivory	5691-CI	5621-CI
	Almond	5691-CA	—
	Grey	5691-CG	5621-CG
	Black	5691-CE	—
3-Way	White	5693-CW	5623-C2W
	Ivory	5693-CI	—
	Almond	5693-CA	–—
	Grey	—	5623-C2G
	Black	5693-CE	
4-Way	White	5694-CW	5624-CW

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Compliance with the latest Federal Specification WS-896

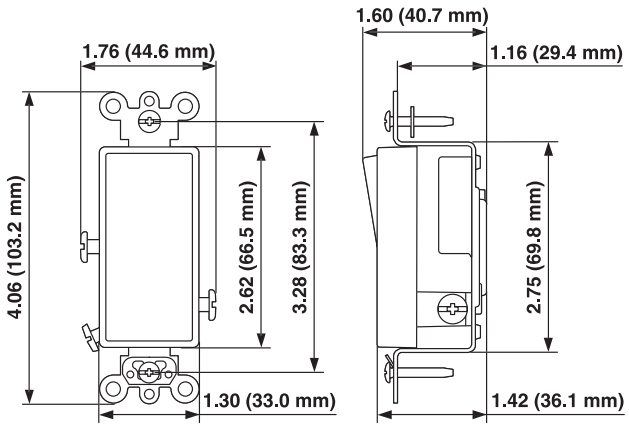
HORSEPOWER
- 15A – ½ @ 120V, 2 @ 240V
- 20A – 1 @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS
- Environmental: Flammability, UL-94 V2 Rating
- Operating Temperature: -40°C to 120°C

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed. Spec.) WS896E, SP, DP, 3-Way, 4-way, Pilot Light, Illum., Key Lock

MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

DIMENSIONS



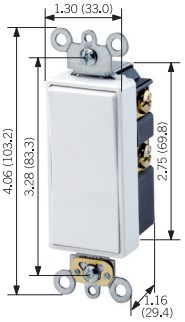
LEVITON

Commercial Grade

Decora Plus™ Maintained and Momentary Contact Switches

Specifications and Features

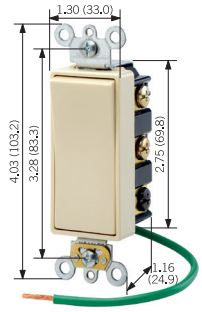
- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Wrap-around heavy-gauge strap with locking tabs for added strength
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- Backed by a Limited Ten-Year Warranty



5657-2W

BACK AND SIDE WIRED - MOMENTARY CONTACT U S

Description	Color	Cat No.
Rating		**15A - 120/277VAC**
Single Pole,	White	5657-2W
Double Throw,	Ivory	5657-2I
Center Off	Light Almond	5657-2T
	Grey	5657-2GY
	Black	5657-2E
	Brown	5657-2



5686-2I

BACK AND SIDE WIRED - MAINTAINED CONTACT U S

Description	Color	Cat No.
Rating		**15A - 120/277VAC**
Single Pole,	White	5685-2W
Double Throw,	Ivory	5685-2I
Center Off	Light Almond	5685-2T
	Grey	5685-2GY
	Black	5685-2E
	Brown	5685-2
Double Pole,	White	5686-2W
Double Throw,	Ivory	5686-2I
Center Off	Light Almond	5686-2T

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Meets requirements of latest Federal Specification WS-896

HORSEPOWER

- 15A – ½ @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS

- Environmental: Flammability, UL-94 V2 Rating
- Operating Temperature: -40°C to 120°C

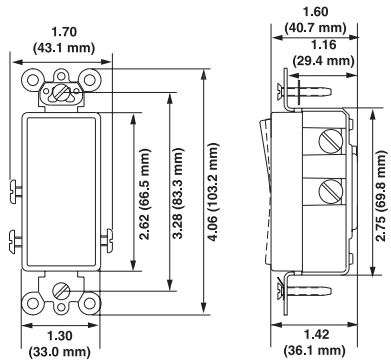
ELECTRICAL

- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed.Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

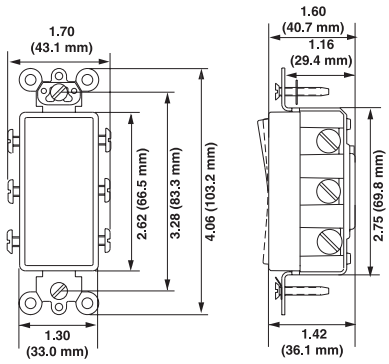
MECHANICAL

- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

DIMENSIONS



5685



5686

Decora Plus™ Commercial Specification Grade Illuminated and Pilot Light Switches

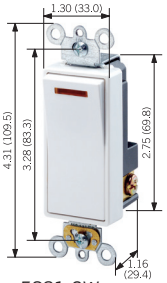
Specifications and Features

- Illuminated when load is OFF
- Pilot Light rocker visible when load is ON, even in bright light
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- Two ground connection options: a green grounding screw and a self-grounding clip

BACK AND SIDE WIRED - ILLUMINATED* US

Description	Color	Cat No.	Cat. No.
Rating		**20A- 120VAC**	**20A- 277VAC**
Single Pole	White	5631-2W	5649-2W
	Ivory	5631-2I	—
	Light Almond	5631-2T	—
	Black	5631-2E	—
3-Way	White	5633-2W	5659-2W
	Ivory	5633-2I	—
	Light Almond	5633-2T	—

*Does not require a neutral wire.

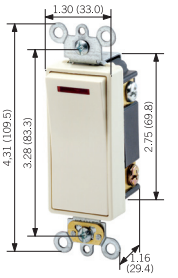


5631-2W

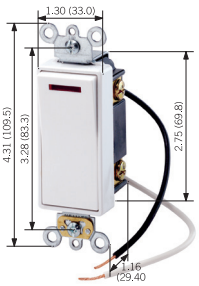
BACK AND SIDE WIRED - PILOT LIGHT* US

Description	Color	Cat No.	Cat. No.
Rating		**20A- 120VAC**	**20A- 277VAC**
Single Pole	White	5628-2W	5629-2W
	Ivory	5628-2I	—
	Light Almond	5628-2T	—
	Brown	5628-2	—
3-Way	White	5638-2W	5639-2W
	Ivory	5638-2I	—

*Requires a neutral wire.



5628-2A



5638-2W

Commercial Grade

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Compiance with the latest Federal Specification WS-896

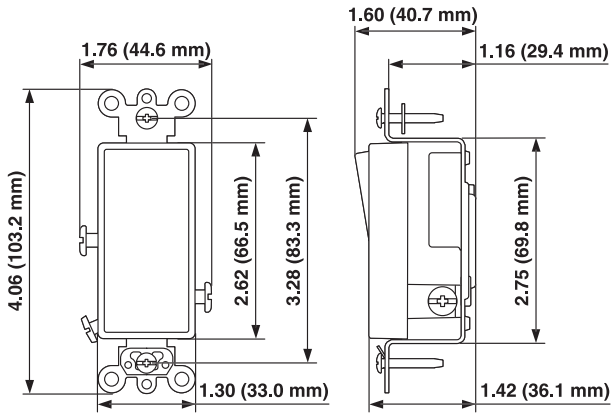
HORSEPOWER
- 20A – 1 @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS
- Environmental: Flammability, UL-94 V2 Rating
- Operating Temperature: -40°C to 120°C

ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed.Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pounds

DIMENSIONS



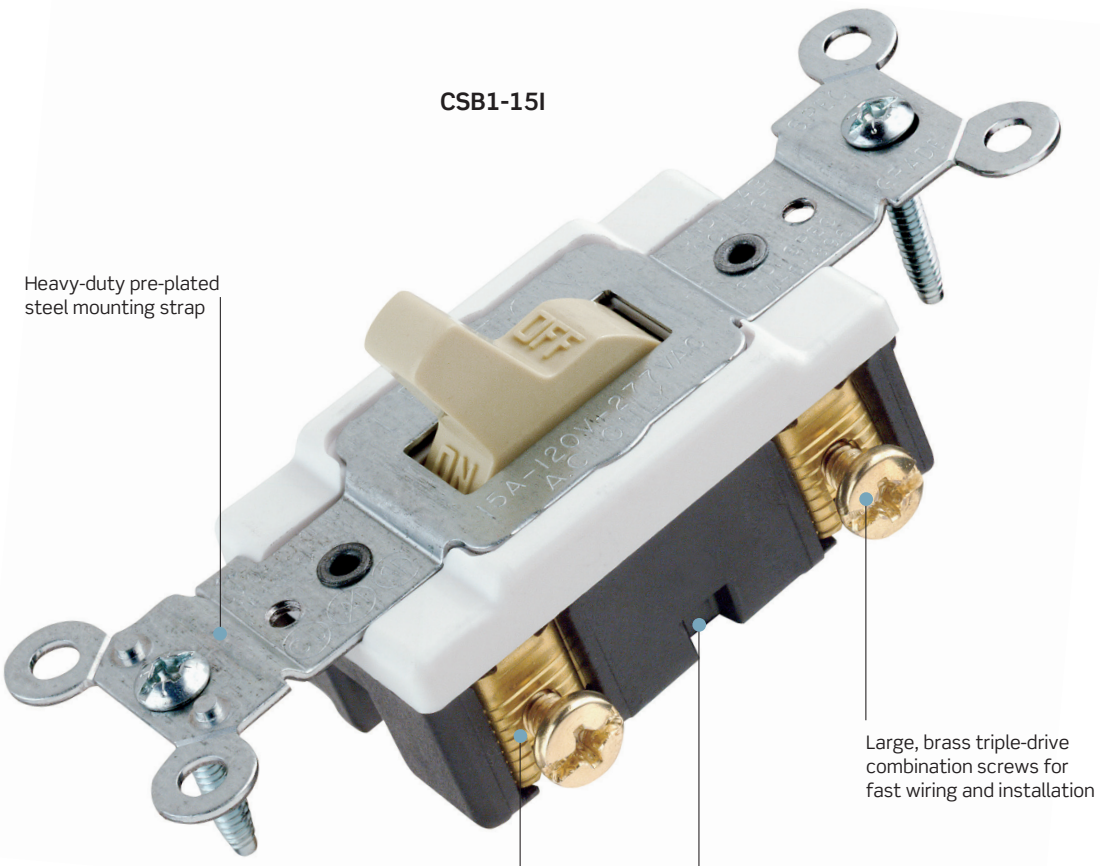
AC-Quiet Commercial Specification Grade Switches

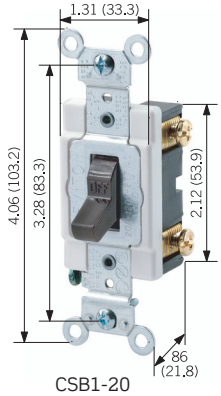
Leviton's Commercial Specification Grade switches are designed to offer outstanding reliability and top performance in commercial settings. Ideal applications include municipal facilities, government buildings, malls, department stores, hospital and health care facilities, office buildings, schools, colleges, universities, houses of worship and cultural institutions. Leviton offers a large selection of 15 and 20 Amp Commercial switches, available in a wide variety of colors, wiring options and other features.

Specifications and Features

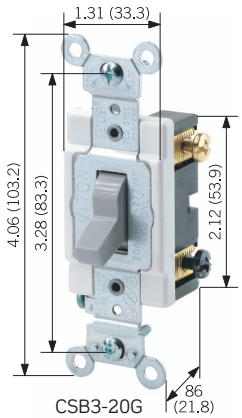
- Listed UL Federal Specification, WS 896
- Heavy-duty pre-plated steel mounting strap for maximum strength
- All screws are brass combination-head for fast installation with Standard, Phillips, and Robertson head screwdrivers
- External clamp-type wiring terminals provides secure connection of solid or stranded wire for back or side wiring (CSB1 and CSB3)
- Backed by a Limited Ten-Year Warranty

CSB1-15I

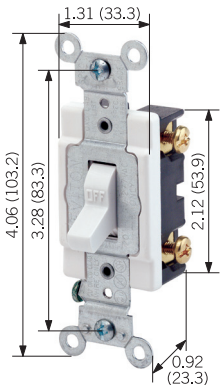




CSB1-20



CSB3-20G



CS120-2W

BACK AND SIDE WIRED US

Description	Color	Cat. No.	
Rating		**120/277V AC**	
		15A	**20A**
Single Pole	White	CSB1-15W	CSB1-20W
	Ivory	CSB1-15I	CSB1-20I
	Light Almond	CSB1-15T	CSB1-20T
	Grey	CSB1-15G	CSB1-20G
	Brown	CSB1-15	CSB1-20
Double Pole	White	CSB2-15W	CSB2-20W
	Ivory	CSB2-15I	CSB2-20I
	Light Almond	CSB2-15T	CSB2-20T
	Grey	—	CSB2-20G
	Brown	CSB2-15	CSB2-20
3-Way	White	CSB3-15W	CSB3-20W
	Ivory	CSB3-15I	CSB3-20I
	Light Almond	CSB3-15T	CSB3-20T
	Grey	—	CSB3-20G
	Brown	CSB3-15	CSB3-20
4-Way	White	CSB4-15W	CSB4-20W
	Ivory	CSB4-15I	CSB4-20I
	Grey	—	CSB4-20G
	Brown	CSB4-15	CSB4-20

NOTE: Cat. Nos. CSB1 and CSB3 feature external clamp-type wiring termination for back and side wiring.

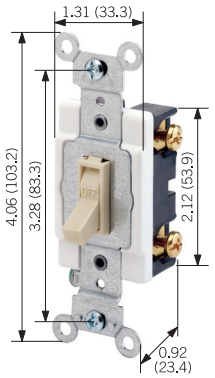
SIDE WIRED US

Description	Color	Cat. No.	
Rating		**120/277V AC**	
		15A	**20A**
Single Pole	White	CS115-2W	CS120-2W
	Ivory	CS115-2I	CS120-2I
	Light Almond	CS115-2T	CS120-2T
	Grey	CS115-2GY	CS120-2G
	Black	CS115-2E	CS120-2E
	Brown	CS115-2	CS120-2
Single Pole Hospital Call Switch†	Ivory	5501-8I	—
	Brown	5501-8	—
Single Pole, Framed Toggle	White	54501-2W	54521-2W
	Ivory	54501-2I	54521-2I
	Grey	54501-2GY	54521-2GY
	Brown	54501-2	54521-2
Double Pole	White	CS215-2W	CS220-2W
	Ivory	CS215-2I	CS220-2I
	Light Almond	—	CS220-2T
	Grey	CS215-2GY	CS220-2GY
	Black	—	CS220-2E
	Brown	CS215-2	CS220-2
Double Pole Hospital Call Switch†	Ivory	5502-8I	—
Double Pole, Framed Toggle	White	54502-2W	54522-2W
	Ivory	54502-2I	54522-2I
	Brown	54502-2	54522-2

†Hospital Call Switch turns on when toggle is pulled down with cord (3-ft braided cord included).

Description	Color	Cat. No.	
Rating		**120/277V AC**	
		15A	**20A**
3-Way	White	CS315-2W	CS320-2W
	Ivory	CS315-2I	CS320-2I
	Light Almond	CS315-2T	CS320-2T
	Grey	CS315-2GY	CS320-2GY
	Black	–	CS320-2E
	Brown	CS315-2	CS320-2
3-Way, Framed Toggle	White	54503-2W	54523-2W
	Ivory	54503-2I	54523-2I
	Grey	54503-2GY	54523-2GY
	Brown	54503-2	54523-2
4-Way	White	CS415-2W	CS420-2W
	Ivory	CS415-2I	CS420-2I
	Light Almond	CS415-2T	CS420-2T
	Grey	CS415-2GY	CS420-2GY
	Black	–	CS420-2E
	Brown	CS415-2	CS420-2
4-Way, Framed Toggle	White	54504-2W	54524-2W
	Ivory	54504-2I	54524-2I
	Light Almond	54504-2T	–
	Grey	54504-2GY	54524-2GY
	Brown	54504-2	54524-2

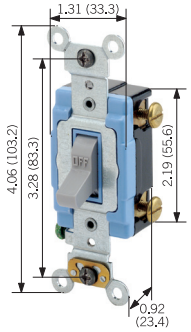
†Hospital Call Switch turns on when toggle is pulled down with cord (3-ft braided cord included).



54501

SIDE WIRED - LIGHTED U S

Description	Color	Cat No.
Rating		**15A - 120VAC**
Single Pole	White	5501-LHW
	Ivory	5501-LHI
3-Way	White	5503-LHW
	Ivory	5503-LHI



1101-CG

SIDE WIRED - CANADIAN S

Description	Colors	Cat No.		Cat No.
Rating		**120/277VAC**		**347VAC**
		15A	**20A**	**15A**
Single Pole, Framed	White	1101-CW	—	18201-CW
Toggle	Ivory	1101-CI	54521-2I	18201-CI
	Grey	1101-CG	—	18201-CG
	Black	1101-CE	—	—
	Brown	1101-CB	54521-2	18201-CB
Double Pole, Framed	White	1102-CW	54522-2W	18202-CW
Toggle	Ivory	1102-CI	54522-2I	18202-CI
	Brown	1102-CB	54522-2B	18202-CB
3-Way, Framed	White	1103-CW	—	18203-CW
Toggle	Ivory	1103-CI	54523-2I	18203-CI
	Grey	1103-CG	—	18203-CG
	Brown	1103-CB	54523-2B	18203-CB
4-Way, Framed	White	1104-CW	—	18204-CW
Toggle	Ivory	1104-CI	54524-2I	18204-CI
	Grey	—	—	18204-CG
	Black	1104-CE	—	—
	Brown	1104-CB	54524-2B	18204-CB

TESTING AND CODE COMPLIANCE
- Meets all NEMA WD 1& 6, and ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)

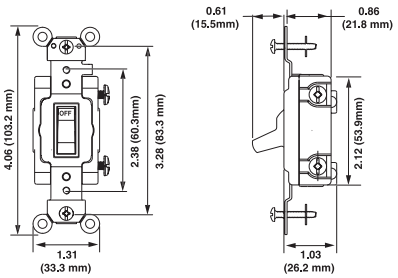
HORSEPOWER
- 15A – 1 @ 120V, 2 @ 240V 12 AMP Max
- 20A – 1 @ 120V, 2 @ 240V 16 AMP Max

MATERIAL CHARACTERISTICS
- Environmental: Flammability, V2 Rating
- Operating Temperature: -40°C to 120°C

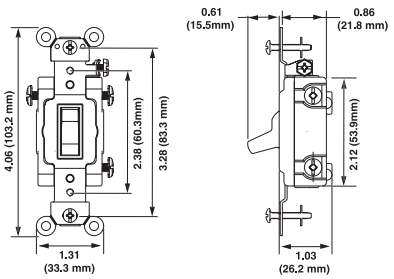
ELECTRICAL
- Dielectric Voltage: Withstands 1500V for 1 min.
- Overload UL 20 Test: 100 cycles of overload at 4.8 times rated current
- Temp. Rise: 30° C max at full rated current
- Endurance: UL 20/Fed Spec 50,000 cycles min., tungsten filament lamp load (Fed. Spec.) WS896E, SP, DP, 3-Way, 4-Way, Pilot Light, Illum., Key Lock

MECHANICAL
- Terminal I.D.: Brass-Hot, Black-Hot, White-Neutral, Green-Grounding
- Terminal Accomm.: #14-#10 AWG back wired; #14-#12 AWG side wired
- Product I.D.: Ratings are permanently stamped on device strap
- Torque Range: 12-14 inch pound

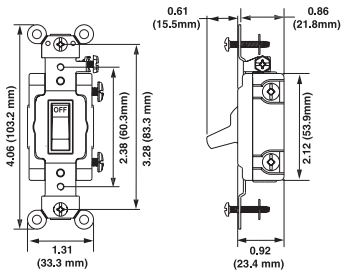
DIMENSIONS



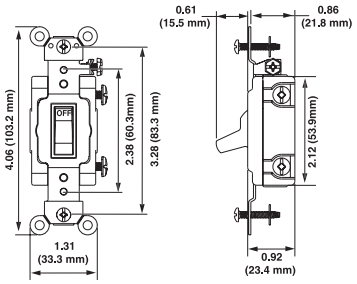
CSB1 Series



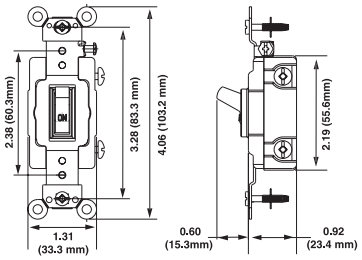
CSB3 Series



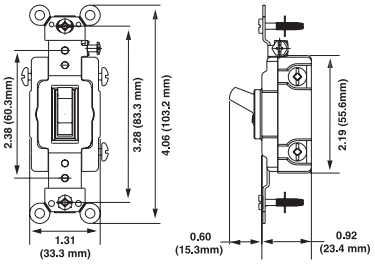
54501



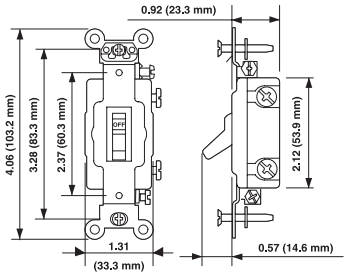
CS115



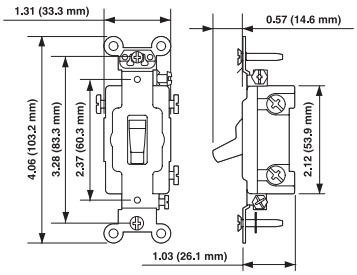
54521



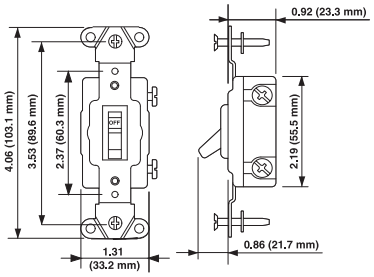
54523



5501-LHI



5503-LHW



18201-C

Residential Grade

Decora® Switches

Featuring a look and feel that qualify them as modern classics, Decora Designer Rocker Switches add so much at a modest cost that no fine home should be without them. Their sleek simplicity and smooth, quiet operation stem from quality materials fitted to tight tolerances and finished with great care, ensuring years of trouble-free service. Easy to wire, they work with tungsten, fluorescent and resistive loads. From legendary Decora® Designer Rocker Switches to traditional toggle switches, Leviton has a switch for any need, in colors to harmonize with any décor. Their sturdy construction and dependable performance are everything you'd expect from the pre-eminent switch maker.

Specifications and Features

All Decora Switches

- Switch frame shields against dust and fits in wallplate to prevent rocker binding
- Terminal screws accept up to No. 12 AWG copper or copper-clad wire
- Quickwire® push-in terminals accept No. 14 AWG solid copper wire only
- Sturdy construction for long service life
- Full-rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Complements every décor
- Limited Two-Year Warranty

Illuminated Decora Switches

- Illuminated switch rocker illuminates when load is OFF
- Pilot Light switch rocker visible when load is ON, even in bright light
- Illuminated switch does not require a neutral; Pilot Light Switch requires a neutral

Imprinted Decora Switches

- Stock Decora switches available with choice of three imprints on rocker: FAN, DISPOSAL, OIL BURNER



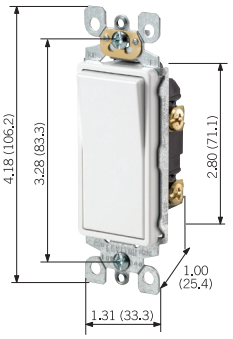
DECORA COLORS

White (-W) | Ivory (-I) | Almond (-A) | Lt. Almond (-T) | Grey (-GY) | Black (-E) | Brown

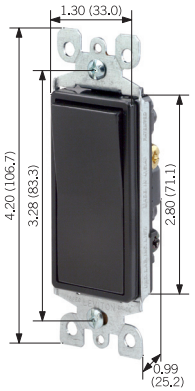
QUICKWIRE PUSH-IN AND SIDE WIRED* U S

Description	Color	Cat No.	
Rating		15A - 120/277VAC	
			Self-grounding*
		w/Ground Screw	w/Ground Screw
Single Pole	White	—	5601-2W
	Ivory	—	5601-2I
	Almond	—	5601-2A
	Light Almond	—	5601-2T
	Grey	—	5601-2GY
	Black	—	5601-2GE
	Brown	—	5601-2
Double Pole	White	5602-2W	—
	Ivory	5602-2I	—
	Almond	5602-2A	—
	Light Almond	5602-2T	—
	Grey	5602-2GY	—
	Black	5602-2E	—
	Brown	5602-2	
3-Way	White	—	5603-2W
	Ivory	—	5603-2I
	Almond	—	5603-2A
	Light Almond	—	5603-2T
	Grey	—	5603-2GY
	Black	—	5603-2E
	Brown	—	5603-2
4-Way	White	5604-2W	—
	Ivory	5604-2I	—
	Almond	5604-2A	—
	Light Almond	5604-2T	—
	Grey	5604-2GY	—
	Black	5604-2E	—
	Brown	5604-2	—

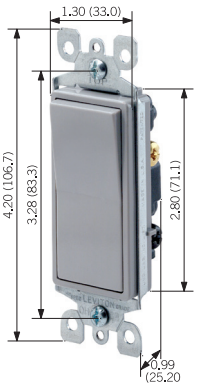
*Self-grounding when installed in a properly grounded metal box.



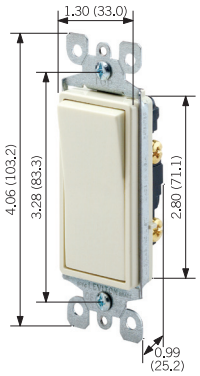
5601-2W



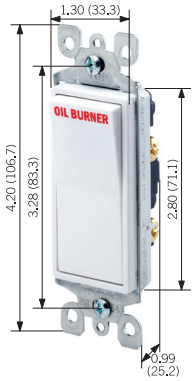
5603-2E



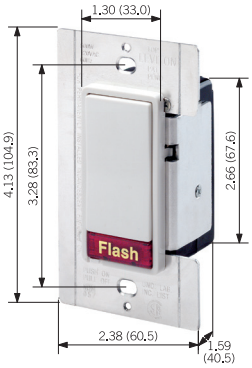
5603-2GY



5611-2A



5601-Z2W



911-W

QUICKWIRE AND SIDE WIRED - ILLUMINATED* U S

Description	Color	Cat. No.	Cat. No.
Rating		**15A-120/277VAC**	**15A-120/277VAC**
		non-grounded	**with ground screw**
Single Pole	White	5611-W	5611-2W
	Ivory	5611-I	5611-2I
	Almond	—	5611-2A
	Light Almond	—	5611-2T
	Brown	5611	5611-2
3-Way	White	5613-W	5613-2W
	Ivory	5613-I	5613-2I
	Almond	—	5613-2A
	Light Almond	—	5613-2T
	Brown	5613	5613-2
4-Way	White	5614-W	5614-2W
	Ivory	5614-I	5614-2I
	Almond	—	5614-2A
	Light Almond	—	5614-2T
	Brown	5614	5614-2

*Lens illuminated when load is OFF – does not require a neutral wire.

QUICKWIRE AND SIDE WIRED - PILOT LIGHT* U S

Description	Color	Cat. No.
Rating		**15A-120VAC**
		with ground screw
Single Pole	White	5618-2W
	Ivory	5618-2I
	Almond	5618-2A
	Light Almond	5618-2T

*Lens illuminated when load is OFF – does not require a neutral wire.

QUICKWIRE AND SIDE WIRED - IMPRINTED U S

Description	Color	Stock	Cat. No.
		Messages	**15A-120/277VAC**
Rating			**with ground screw**
Single Pole, Stock	White	FAN, DISPOSAL,	5601-Z2W
or Custom Print	Ivory	OIL BURNER	5601-Z2I

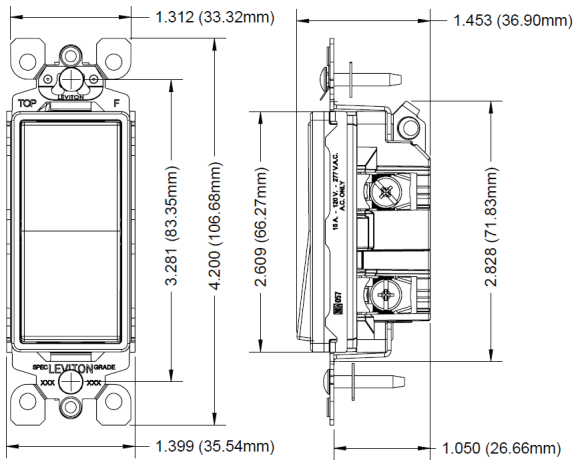
NOTE: For Quickwire and Side Wired Molded made to order products, contact your Leviton sales representative.

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

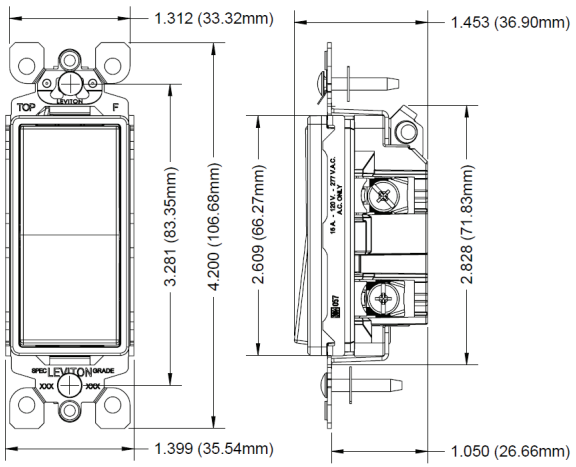
HORSEPOWER
- 15A – 1/2 @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS
- Environmental: Flammability, UL-94, Rated V2
- Operating Temperature: -40°C to 120°C

DIMENSIONS



5601



5603

Residential Grade

AC Quiet Toggle Switches

Tried-and-true toggle designs, Leviton Residential Grade AC Quiet Switches cover all the bases; they install easily and are available in standard and illuminated versions.Their toggles and frames are constructed of impact-resistant thermoplastic, and they feature large head, hardened triple-drive screws for easy installation. Leviton's traditional switches are compatible with a wide range of Leviton plastic and metal wallplates.

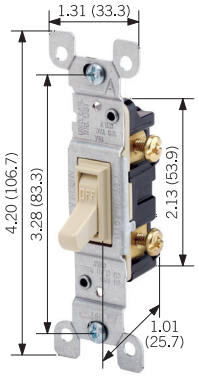
Specifications and Features

- Faster installation with combination of side wiring and Quickwire push-in wiring
- Terminal screws accept up to No. 12 AWG copper or copper-clad wire
- Quickwire® push-in terminals accept No. 14 AWG solid copper wire only
- Large head, hardened triple-drive combination screws (Standard, Phillips, or Robertson) for fast wiring installation
- Impact-resistant, durable thermoplastic toggle and frame
- Limited Two-Year Warranty

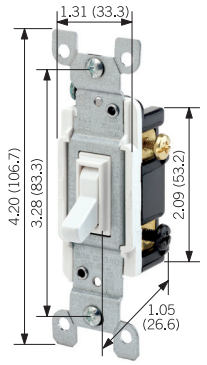


QUICKWIRE PUSH-IN AND SIDE WIRED U S

Description	Color	Cat No.	Cat No.	Cat No.
Rating		**15A-120VAC non-grounded**	**15A-120VAC with ground screw**	**15A-120VAC Self-grounded Backwired Clamp**
Single Pole	White	1451-W	1451-2W	RS115-W
	Ivory	1451-I	1451-2I	RS115-I
	Almond	–	1451-2A	RS115-T
	Light Almond	–	1451-2T	
	Black	–	1451-2E	
	Brown	1451	1451-2	
3-Way	White	1453-W	1453-2W	
	Ivory	1453-I	1453-2I	
	Almond	–	1453-2A	
	Light Almond	–	1453-2T	
	Black	–	1453-2E	
	Brown	1451	1453-2	
4-Way	White		54504-2W	
	Ivory		54504-2I	
	Almond		54504-2A	
	Light Almond		54504-2T	
	Black		54504-2GY	
	Brown		54504-2	



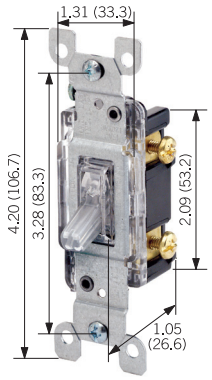
1451



1453

QUICKWIRE AND SIDE WIRED - ILLUMINATED U S

Description	Toggle Color	Illumination	Cat No.
Rating			**15A-120VAC with ground screw**
Single Pole	Clear	Amber	1461-LHC
3-Way	Clear	Amber	1463-LHC

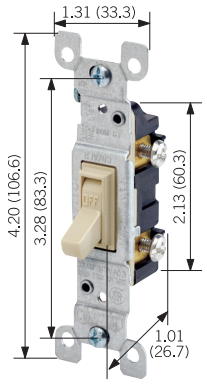


1461-LHC

CO/ALR SIDE WIRED - FRAMED U S

Description	Color	Cat No.
Rating		**15A-120VAC with ground screw**
Single Pole	White	2651-2W
	Ivory	2651-2I
3-Way	White	2653-2W
	Ivory	2653-2I

NOTE: CO/ALR devices are for connection to 12 or 10 AWG Aluminum Conductors.



2651-2

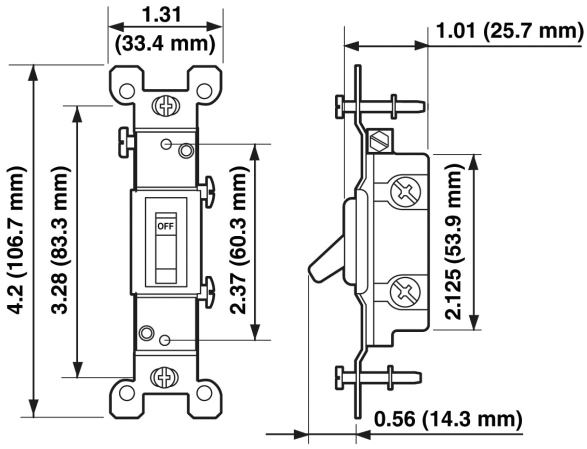
Residential Grade

TESTING AND CODE COMPLIANCE
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

HORSEPOWER
- 15A – 1/2 @ 120V, 2 @ 240V

MATERIAL CHARACTERISTICS
- Environmental: Flammability, Rated V2
- Operating Temperature: -40°C to 65°C

DIMENSIONS



Traditional Switch

Appliance Switches

Specifications and Features

Single Pole Pull Chain Switches
- Standard finish of metal chain is nickel
- Standard leads are No. 18 AWG 105°C plastic 6" long, stripped 1/2"
- 3 3/4" chain connector, 3' braided cord, end bell
- Bushing 3/8 - 27 x 3/8" long
- Piercing 13/32" dia

Door Jamb Switch
- Bushing 15/32-32 x 9/16" long

SINGLE POLE PULL CHAIN SWITCHES U S

Description	Sequence	Cat. No.
Rating	**3A 125VAC-L 6A 125VAC 3A 250VAC 1/4 HP 125/250V**	
Heavy Duty, Single Circuit, Black and Red Leads	ON-OFF (L1, OFF)	1689-75
Heavy Duty, Two Circuit, Four Positions, Black, Blue, Red Leads	LOW-MED-HIGH-OFF (L1, L2, L1 & 2, OFF)	1689-50
Heavy Duty, Two Speed, Four Positions, Black, Blue, Red Leads	ONE-OFF-TWO-OFF (L1, L2, L3, OFF)	1691-50
Rating	**3A 125V 1A 125VT 1A 250V**	
Compact, Single Circuit, Black Leads	ON-OFF	10097-8
Rating	**3A 125VAC-L 6A 125VAC 3A 250VAC**	
Compact, Single Circuit, Black Leads	ON-OFF	10041-500


1689-75


10041-500


10097-8

PUSH-BUTTON DOOR JAMB SWITCH U S

Description	Sequence	Cat. No.
Rating	**3A 125V**	
Single Circuit, Momentary, Metal Pushbutton, No. 18AWG Leads, with Jamb Box, Mounting Screws and Cover Plate	NORMALLY ON	1865


1865



5410-W

FEED-THROUGH CORD SWITCH U S

Description	Sequence	Color	Cat. No.
Rating			**3A 125V 1/2 H.P. 125V**
Heavy Duty, Single Pole, 18/2 - 16/2 Type SPT-1, SPT-2 or Round Cord 18/2, Type SVT and other cords up to 9/32" outer jacket	ON-OFF	White	5410-W
		Ivory	5410-I
		Brown	5410



423-31

MINIATURE FEED-THROUGH CORD SWITCH U S

Description	Color	Cat. No.
Rating		**3A 125V 1/2 H.P. 125V**
Miniature Single Pole, ON-OFF Sequence, Captive Screw (for use with #18 ga. SPT-1 conductors)	White	423-3W
	Ivory	423-3I
	Brown	423-3

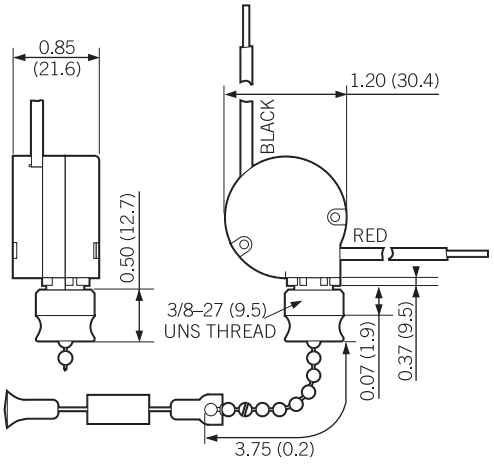
TESTING AND CODE COMPLIANCE

- UL Recognized Component (File #E-7458) - Cat. Nos. 1689 75, 1689-50, 1691-50, 10041-500
- UL Listed (File #E-7443) - Cat Nos. 10097-8 and 1865
- UL Listed (File #E-7458) - Cat Nos. 5410 and 423-3
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

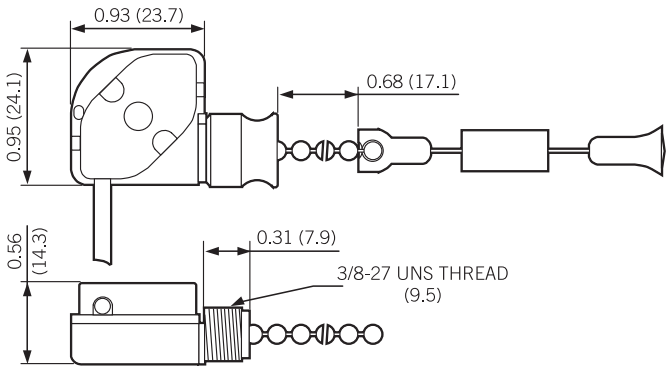
MATERIAL CHARACTERISTICS

- Environmental: Flammability, UL-94, Rated V2
- Operating Temperature: -40°C to 120°C

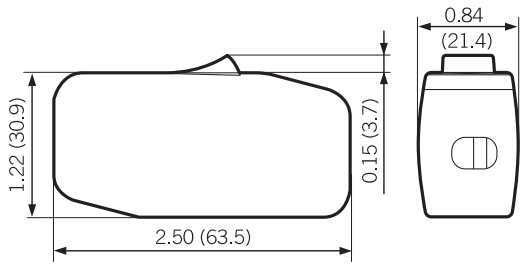
DIMENSIONS



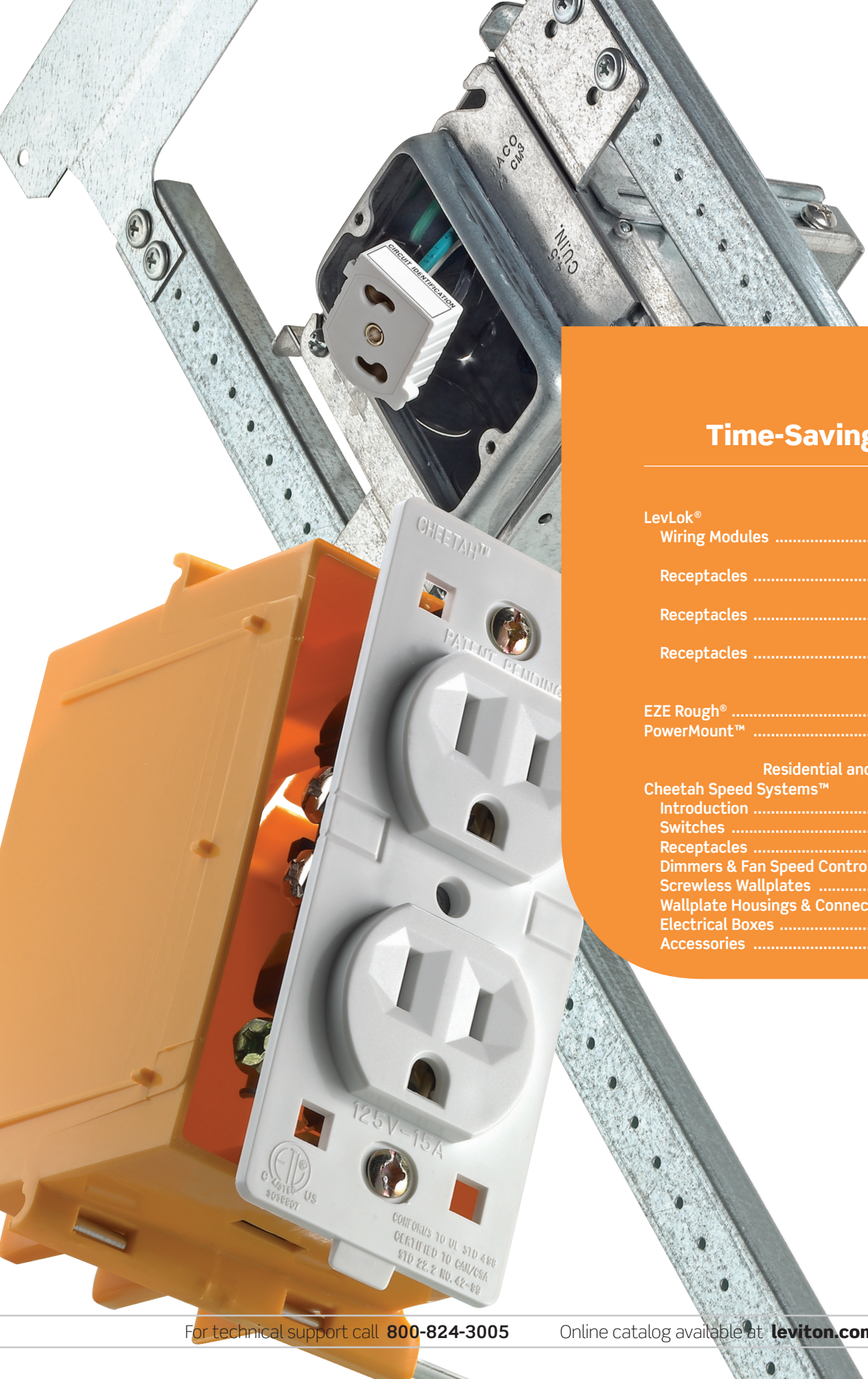
1689-75 Heavy Duty Pull Chain Switch



10097-8 Compact Pull Chain Switch



5410 Feed Through Switch



Time-Saving Systems

INDEX

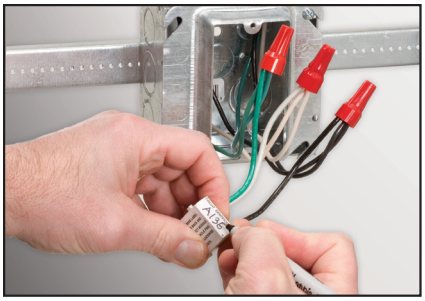
LevLok®
Wiring Modules 656
Hospital Grade
Receptacles 659
Industrial Grade
Receptacles 667
Commercial Grade
Receptacles 670

Commercial Grade
EZE Rough® 677
PowerMount™ 679

Residential and Commercial Grade
Cheetah Speed Systems™
Introduction 684
Switches 685
Receptacles 689
Dimmers & Fan Speed Controls 694
Screwless Wallplates 696
Wallplate Housings & Connectors 699
Electrical Boxes 701
Accessories 705

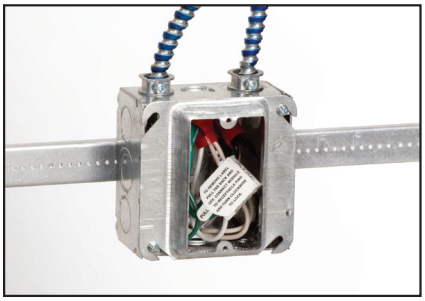
Lev-Lok® Modular Wiring Devices Are Easy To Install

ROUGH-IN STEPS



1 - Attach MSTWL Wiring Module

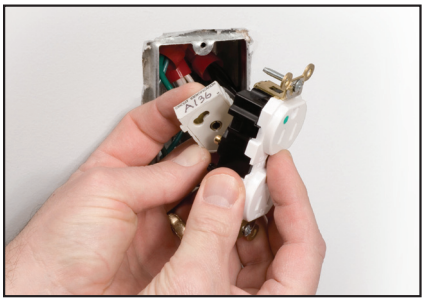
- Attach wiring module. Pre-stripped leads equals one less tool.
- Peel back the module's protective cover to test.
- Place the protective cover back over the contacts.
- Label circuit using the factory installed circuit ID label.



2 - Ready for Drywall & Painting

- Place wired and protected module inside the box.
- Finish the room – drywall, paint, flooring and don't worry about the wiring.

FINISHING STEPS



3 - Make the Receptacle Connection

- Remove the wiring module's protective cover.
- Place wiring module over receptacle's connection pins. Twist clockwise – receptacle is secured.



4 - Finished and Ready for Use!

- Secure the receptacle's strap and wallplate.

Lev-Lok® Modular Wiring Device System

Simple & Easy to Use, Yet Provides Secure Connections.

Leviton's latest wiring device family is a revolutionary design called the Lev-Lok® Modular Wiring Device System. It consists of a wiring module (locking connector with leads) and a rugged wiring device (receptacle or switch) with solid brass locking connection pins. Place the wiring module over the device's locking pins, twist clockwise and the connection is secured. Leviton's modular devices address the reliability and performance concerns of specification engineers without sacrificing the contractor's need for fast, easy installation.

Specifications and Features

- Devices constructed with impact-resistant thermoplastic nylon cover and body
- Four corner latches securely fasten the device's face to the body
- Solid brass locking pins for strong, secure connection between device and wiring module
- Backed by a Limited Ten-Year Warranty
- Wiring module locks and latches to the device
- Wiring module ships with protective cover, preventing debris from entering contacts until device is attached
- Wiring modules include factory-installed circuit ID label. Electricians can save a step by labeling device locations during rough-in
- Receptacles offered in commercial, industrial and hospital grades; in both conventional and tamper-resistant configurations

Simple...

Designed with the busy contractor in mind.

Wiring Modules arrive equipped with a protective cover and a circuit ID label. The protective cover keeps the Lev-Lok™ module's contacts debris-free until the receptacle is installed.

Use the wiring module's circuit ID label and make walkthrough troubleshooting faster and easier.

Easy...

Connect and twist to lock.

In two steps, the receptacle is securely attached to the module. Place the module over the receptacle's connection pins and twist clockwise to lock. The locking design allows only one module orientation.

Replacement is just as easy. Reverse the two steps. Turn module counter clockwise to unlock and remove.

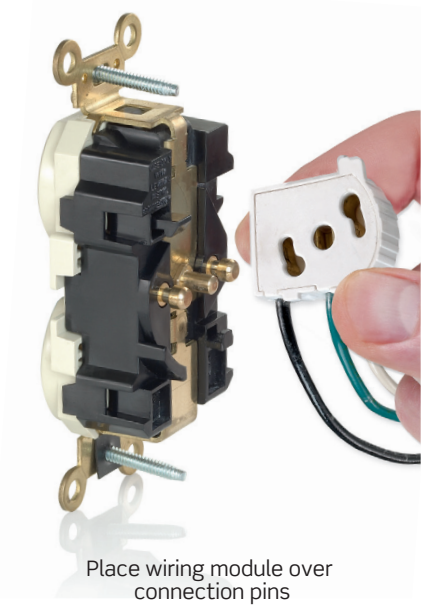
Secure...

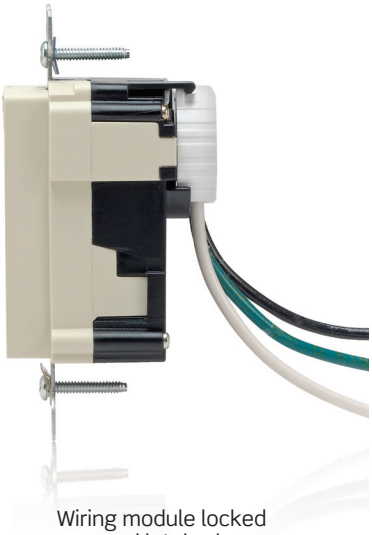
Lock & latch system.

Leviton's unique connection system locks and latches the Lev-Lok™ wiring module to the receptacle providing double the security without adding to the assembly steps.



Wiring module with protective cover

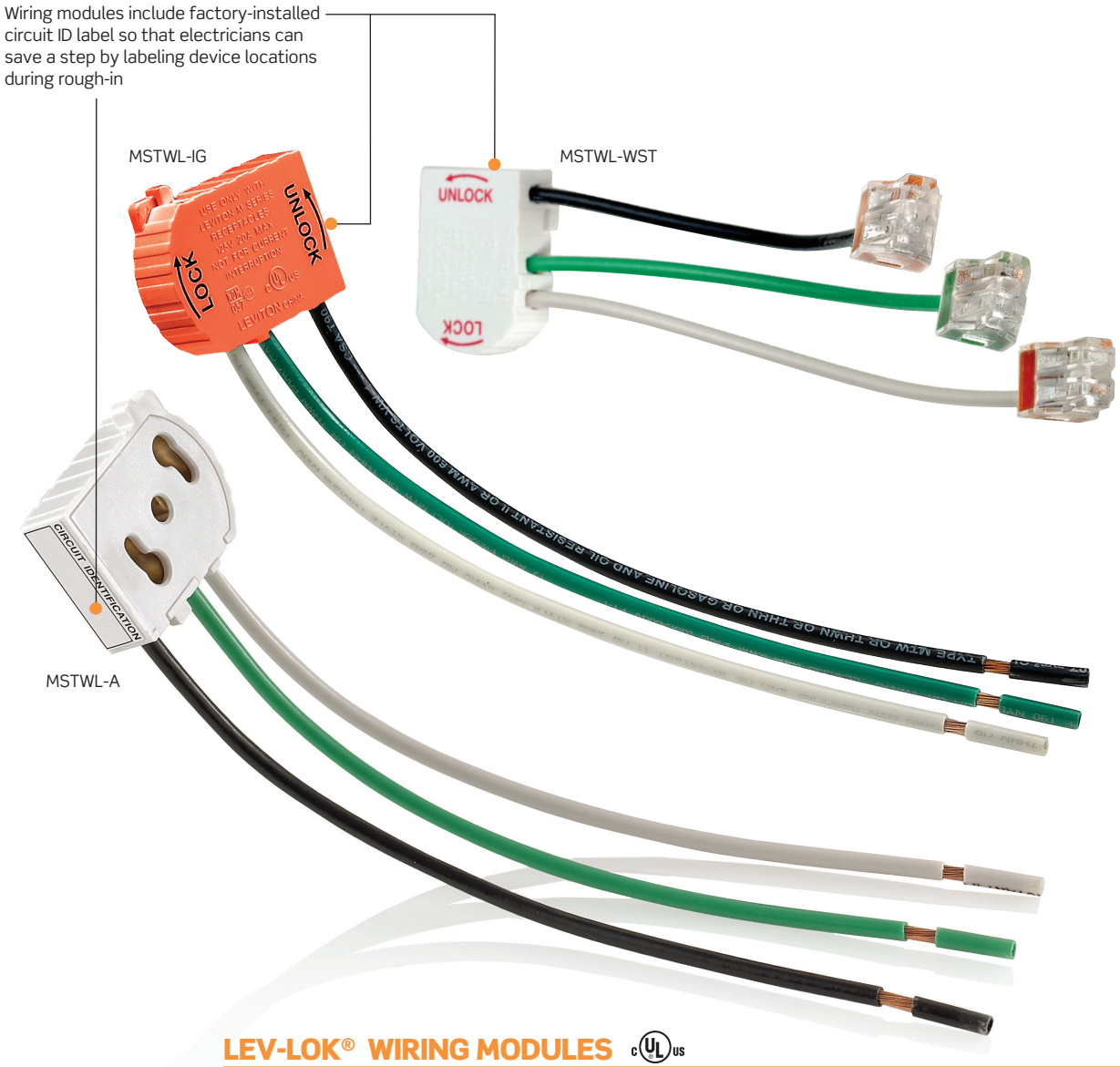

Place wiring module over connection pins


Wiring module locked and latched

Lev-Lok® Wiring Modular Receptacle System

Specifications and Features

- Modules are constructed of an impact-resistant polycarbonate
- #12 AWG THHN wire leads, 6" length, either solid or stranded wire
- Available with 4-port pushwire connector for even faster installation
- Wiring module locks and latches to the device body providing double the connection security
- Wiring modules are shipped with protective cover and factory-installed circuit ID label
- Backed by a Limited Ten-Year Warranty



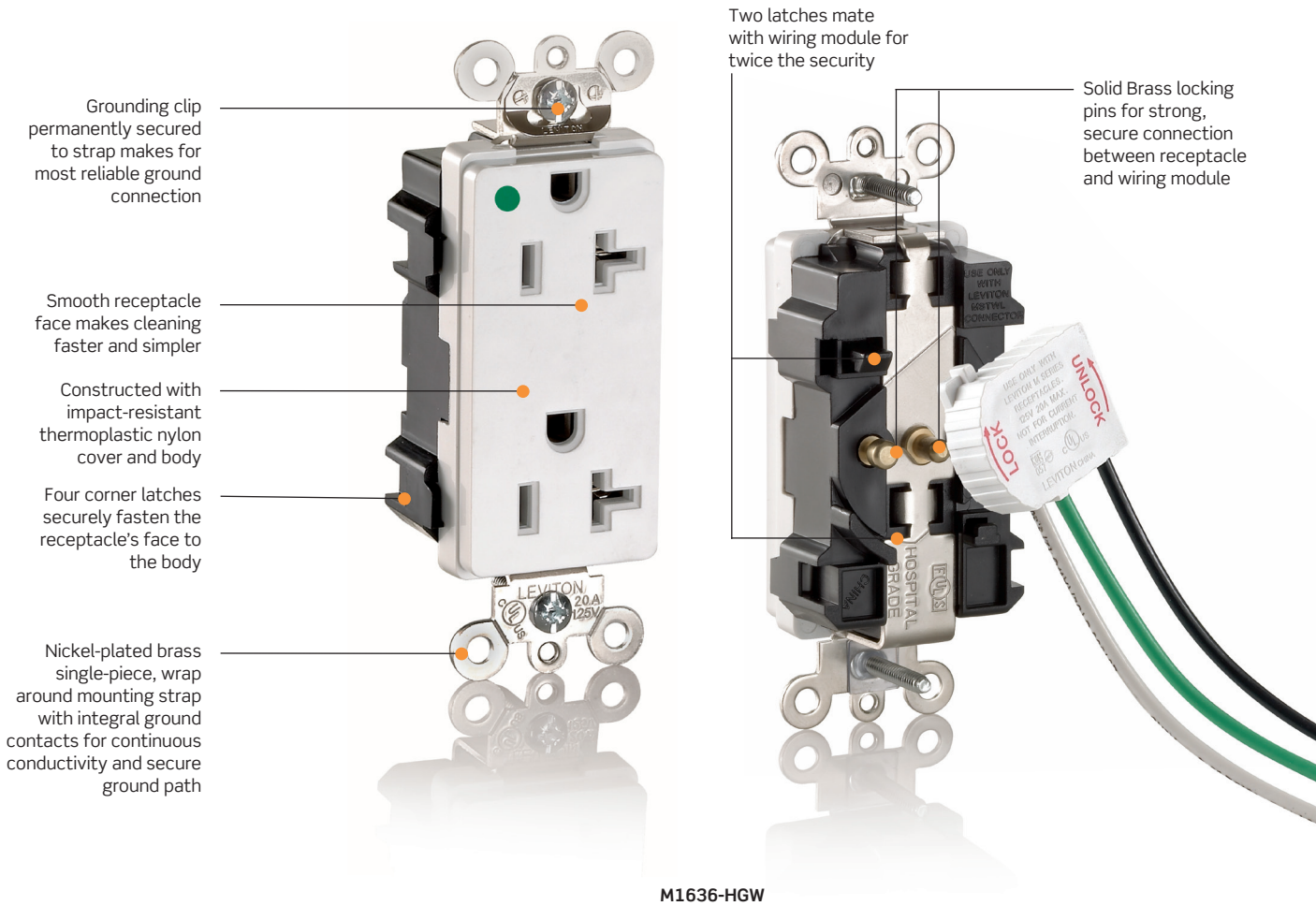
LEV-LOK® WIRING MODULES

Device Type	Description	Cat. No.
Receptacles	Stranded Wire Leads	MSTWL-A
	Stranded Wire Leads with 4-port push wire connectors	MSTWL-WST
	Solid Wire Leads	MSTWL-SDA
	Solid Wire Leads with 4-port push wire connectors	MSTWL-WSD
IG Receptacles	Stranded Wire Leads	MSTWL-IG
	Stranded Wire Leads with 4-port push wire connectors	MSTWL-WIG
	Solid Wire Leads	MSTWL-SIG

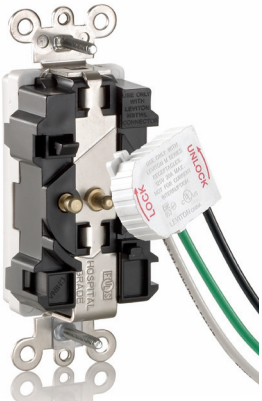
Decora Plus™ Extra Heavy-Duty Hospital Grade Modular Receptacles

Specifications and Features

- Constructed with impact-resistant thermoplastic nylon cover and body
- Smooth face prevents dirt from collecting
- Four corner latches securely fasten the receptacle's face to the body
- Large triple-wipe, brass "T" line contacts for superior contact and conductivity
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Nickel-plated brass single-piece, wrap-around mounting strap with integral ground contact for continuous conductivity and secure ground path
- For Isolated Ground versions, device strap is nickel plated steel and isolated ground system is brass
- Grounding clip permanently secured to strap for easy, simple, and secure installation
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective label and factory-installed Circuit ID label
- Backed by a Limited Ten-Year Warranty



M1636-HGW



MT163
WITH
MSTWL-A



MDT83-IG

DECORA PLUS™ MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding

Description	Color	Cat. No.	Cat. No.
NEMA			
		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	MT162-HGW	MT163-HGW
	Ivory	MT162-HGI	MT163-HGI
	Grey	MT162-HGG	MT163-HGG
	Red	MT162-HGR	MT163-HGR
Duplex	White	M1626-HGW	M1636-HGW
	Ivory	M1626-HGI	M1636-HGI
	Light Almond	M1626-HGT	M1636-HGT
	Grey	M1626-HGG	M1636-HGG
	Black	M1626-HGE	M1636-HGE
	Brown	M1626-HG0	M1636-HG0
	Red	M1626-HGR	M1636-HGR
	Blue	M1626-HGB	M1636-HGB
Duplex, Power Indication	White	M1626-PLW	M1636-PLW
	Ivory	M1626-PLI	M1636-PLI
	Light Almond	M1626-PLT	M1636-PLT
	Grey	M1626-PLG	M1636-PLG
	Red	M1626-PLR	M1636-PLR
Duplex, Isolated Ground, Tamper Resistant	White	MDT82-IGW	MDT83-IGW
	Ivory	MDT82-IGI	MDT83-IGI
	Light Almond	MDT82-IGT	MDT83-IGT
	Grey	MDT82-IGG	MDT83-IGG
	Black	MDT82-IGE	MDT83-IGE
	Red	MDT82-IGR	MDT83-IGR
	Orange	MDT82-IG	MDT83-IG
Duplex, Isolated Ground	White	MD820-IGW	MD830-IGW
	Ivory	MD820-IGI	MD830-IGI
	Light Almond	MD820-IGT	MD830-IGT
	Grey	MD820-IGG	MD830-IGG
	Black	MD820-IGE	MD830-IGE
	Red	MD820-IGR	MD830-IGR
	Orange	MD820-IG	MD830-IG
Duplex, Isolated Ground, Power Indication	White	MPD82-IGW	MPD83-IGW
	Ivory	MPD82-IGI	MPD83-IGI
	Red	MPD82-IGR	MPD83-IGR
	Orange	MPD82-IG	MPD83-IG

TESTING AND CODE COMPLIANCE
- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL
- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:
- **Cover:** Nylon
- **Base:** Nylon
- **Mounting Strap (non-IG):** Single Piece Nickel-Plated Brass with integral ground contact
- **Mounting Strap (IG versions):** Nickel-Plated Steel
- **Isolated Ground System (IG Versions):** Brass
- **Ground Clip:** Nickel-Plated Brass
- **Line Contacts:** 0.040" Thick Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V per UL 498HG
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL
- **Product I.D.:** Ratings are permanently stamped on device

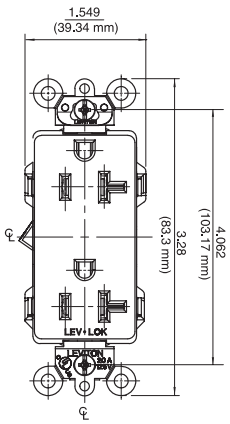
HORSEPOWER
15A - 125V — ½
20A - 125V — 1

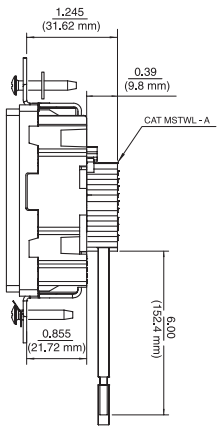
DIMENSIONS

lev-lok®

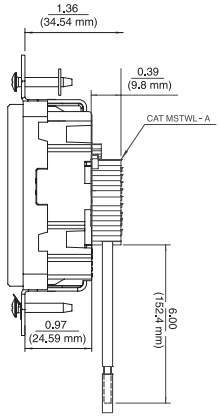
M1636 20 Amp-125 Volts

Dimensions apply to Cat. Nos.
M1626-HG, MT162-HG, M1626-PL, M1636-HG, MT163-HG, M1636-PL & MSTWL-A

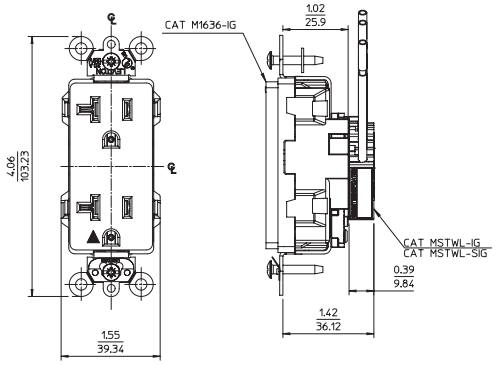




Standard, PI, MRI

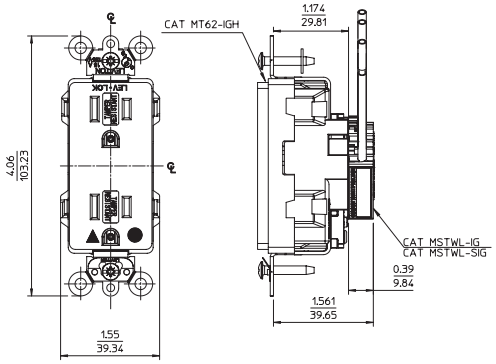


Tamper Resistant



M1636 – IGO

Dimensions apply to Cat. Nos.
M1626-IG, M1636-IG, MPD83-IG & MSTWL-IG, MD820-IG, MD830-IG, MPD82-IG, MPD83-IG



MDT82 – IG

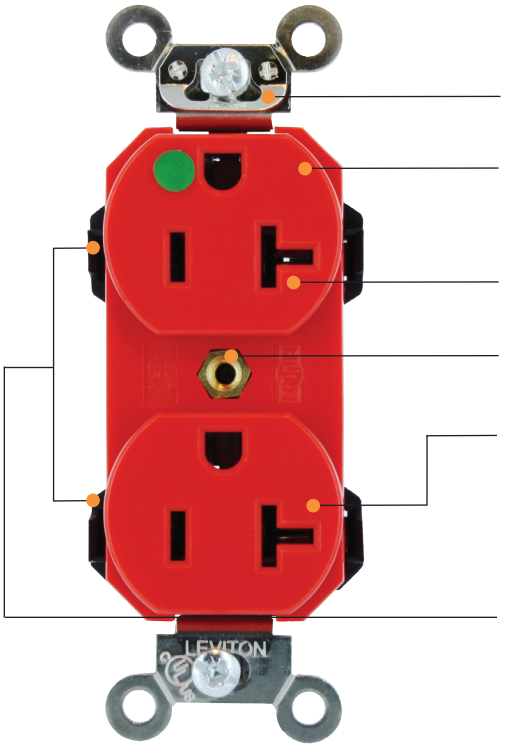
Dimensions apply to Cat. Nos.
MT162-IG, MT163-IG, MT163-IG & MSTWL-IG, MDT82-IG, MDT83-IG

Extra Heavy-Duty Hospital Grade Modular Receptacles

Specifications and Features

- Constructed with impact-resistant thermoplastic nylon cover and body
- Smooth face prevents dirt from collecting
- Four corner latches securely fasten the receptacle's face to the body
- Large triple-wipe, brass "T" line contacts for superior contact and conductivity
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Nickel-plated steel, wrap-around mounting strap with integral ground contacts for continuous conductivity and secure ground path
- Grounding clip permanently secured to strap for easy, simple, and secure installation
- Receptacle face includes threaded brass bushing for reliable, secure wallplate attachment
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective cover and factory-installed circuit ID label
- Backed by a Limited Ten-Year Warranty

M8300-R



Grounding clip permanently secured to strap makes for most reliable ground connection

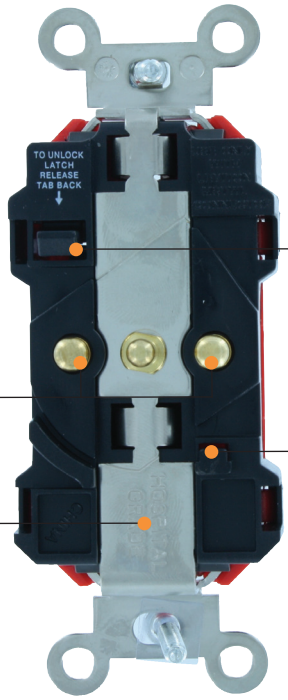
Constructed with impact-resistant thermoplastic nylon cover and body

Smooth face prevents dirt from collecting and makes cleaning faster and simpler

Face includes threaded bushing for reliable, secure wallplate attachment

Large triple-wipe "T" contacts for superior contact and conductivity day-in and day-out

Four corner latches securely fasten the receptacle's face to the body



Two latches mate with wiring module for twice the security

Solid brass locking pins for strong, secure connection between receptacle and wiring module

Nickel-Plated Brass Single Piece Wraparound mounting strap with integral ground contacts for continuous and secure ground path

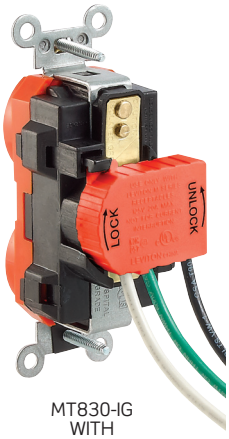
EXTRA HEAVY-DUTY MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding c UL us

Description	Color	Cat. No.	Cat. No.
NEMA			
		5-15R	5-20R
Rating		**15A–125V**	**20A–125V**
Duplex, Tamper Resistant	White	M8200-SGW	M8300-SGW
	Ivory	M8200-SGI	M8300-SGI
	Light Almond	M8200-SGT	M8300-SGT
	Grey	M8200-SGY	M8300-SGY
	Black	M8200-SGE	M8300-SGE
	Brown	M8200-SG	M8300-SG
	Red	M8200-SGR	M8300-SGR
	Blue	M8200-SGB	M8300-SGB
Duplex	White	M8200-W	M8300-W
	Ivory	M8200-I	M8300-I
	Light Almond	M8200-T	M8300-T
	Grey	M8200-GY	M8300-GY
	Black	M8200-E	M8300-E
	Brown	M8200	M8300
	Red	M8200-R	M8300-R
	Blue	M8200-B	M8300-B
Duplex, Power Indication	White	M8200-PLW	M8300-PLW
	Ivory	M8200-PLI	M8300-PLI
	Light Almond	M8200-PLT	M8300-PLT
	Grey	M8200-PLG	M8300-PLG
	Red	M8200-PLR	M8300-PLR
Duplex, MRI	White	MRI15-W	MRI20-W
	Ivory	MRI15-I	MRI20-I
	Light Almond	MRI15-T	MRI20-T
	Grey	MRI15-GY	MRI20-GY
	Red	MRI15-R	MRI20-R
Duplex, Isolated Ground, Tamper Resistant	White	MT820-IGW	MT830-IGW
	Ivory	MT820-IGI	MT830-IGI
	Light Almond	MT820-IGT	MT830-IGT
	Grey	MT820-IGG	MT830-IGG
	Black	MT820-IGE	MT830-IGE
	Red	MT820-IGR	MT830-IGR
	Orange	MT820-IG	MT830-IG
Duplex, Isolated Ground	White	M8200-IGW	M8300-IGW
	Ivory	M8200-IGI	M8300-IGI
	Light Almond	M8200-IGT	M8300-IGT
	Grey	M8200-IGG	M8300-IGG
	Black	M8200-IGE	M8300-IGE
	Red	M8200-IGR	M8300-IGR
	Orange	M8200-IG	M8300-IGG
Duplex, Isolated Ground, Power Indication	White	MP820-IGW	MP830-IGW
	Ivory	MP820-IGI	MP830-IGI
	Red	MP820-IGR	MP830-IGR
	Orange	MP820-IG	MP830-IG



MT830-IG
(FRONT)



MT830-IG
WITH
MSTLW-IG
(BACK)

Hospital Grade

TESTING AND CODE COMPLIANCE
- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL
- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:
- **Cover:** Nylon
- **Base:** Nylon
- **Mounting Strap (non-IG):** Single Piece Nickel-Plated Brass with integral ground contact
- **Mounting Strap (IG versions):** Nickel-Plated Steel
- **Mounting Strap (MRI versions):** Brass
- **Isolated Ground System (IG versions):** Brass
- **Ground Clip:** Nickel-Plated Brass
- **Ground Clip (MRI versions):** Brass
- **Line Contacts:** 0.040" Thick Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V per UL 498HG
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles overload at 200% of rated current

MECHANICAL
- **Product I.D.:** Ratings are permanently stamped on device

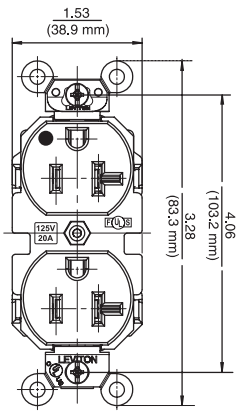
HORSEPOWER
15A - 125V — ½
20A - 125V — 1

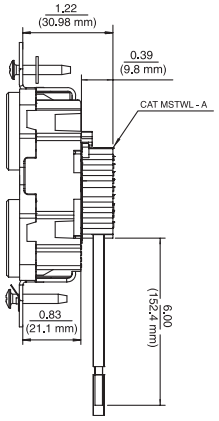
DIMENSIONS

lev-lok®

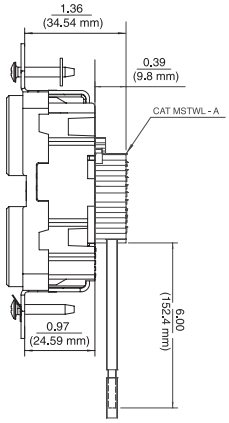
M8300 20 Amp-125 Volts

Dimensions apply to Cat. Nos.
M8200, MT820-SG, MT820-PL, MRI15
M8300, M8300-SG, M8300-PL, MRI20 & MSTWL -A

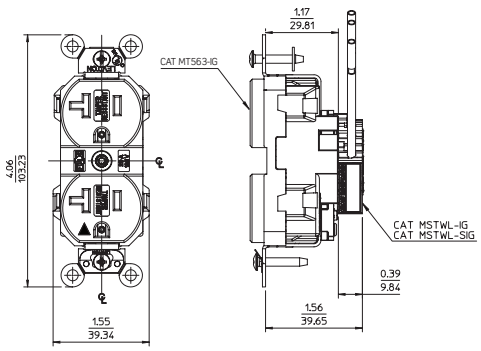




Standard

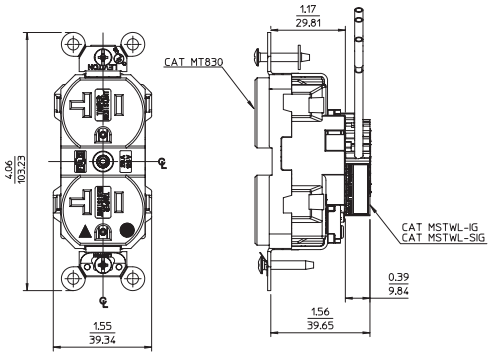


Tamper-Resistant



M5362-IG

Dimensions apply to Cat. Nos.
M5262-IG, M5362-IG, M5362-IG & MSTWL-IG, M8200-IG, M8300-IG, MP820-IG, MP830-IG



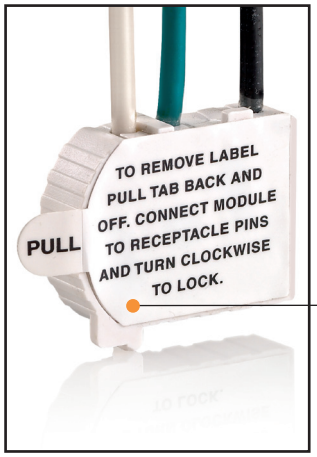
MT830-IG

Dimensions apply to Cat. Nos.
MT562-IG, MT563-IG, MT563-IG & MSTWL-IG, MT820-IG, MT830-IG

SmartlockPro® GFCI Receptacles

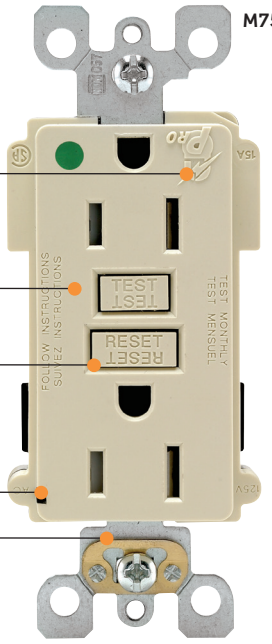
Specifications and Features

- GFCI protects one duplex receptacle. No feed-through capability
- Constructed with impact-resistant nylon cover
- Large triple-wipe, brass "T" line contacts on 20A for superior contact and conductivity
- The SmartLockPRO receptacle automatically tests the GFCI every time the RESET button is pushed. The GFCI will not reset if the GFCI circuit is not functioning properly
- Built-in end-of-life indication. If the SmartLockPRO receptacle can no longer provide GFCI protection, it will not reset and no power is supplied to the face
- Trip threshold meets or exceeds UL requirements for tripping time
- Right Angle Wiring module's thin profile makes it easier to place GFCI receptacle in the box
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective label and factory-installed Circuit ID label



Right Angle Wiring Module makes GFCI easier to install and reduces footprint in the box

M7599-HGI



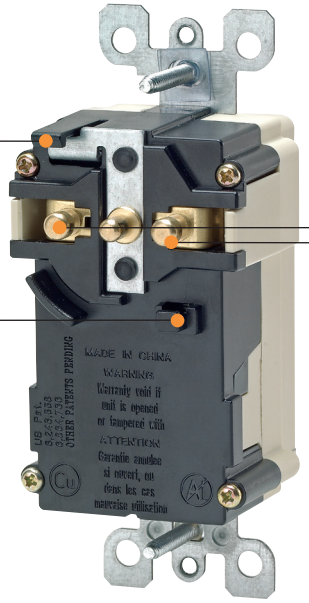
Look for the Lock! Patented lockout feature prevents RESET if the GFCI is not wired properly or the GFCI circuit is no longer functioning properly

Impact resistant nylon cover withstands abuse

Advanced electronics offers superior resistance to surges and over-voltages

Green LED indicator light: When illuminated, it indicates power is present

Grounding clip permanently secured to strap makes for most reliable ground connection



Two latches mate with wiring module for twice the security

Solid brass locking pins for strong, secure connection between receptacle and wiring module



M7599-HGI
WITH
MSTWL-A

SMARTLOCKPRO® MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding

Description	Color	Cat. No.	Cat. No.
NEMA			
		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	M7599-HGW	M7899-HGW
	Ivory	M7599-HGI	M7899-HGI
	Light Almond	M7599-HGT	M7899-HGT
	Grey	M7599-HGY	M7899-HGY
	Black	M7599-HGE	M7899-HGE
	Brown	M7599-HG	M7899-HG
	Red	M7599-HGR	M7899-HGR
Duplex	White	MT759-HGW	MT789-HGW
	Ivory	MT759-HGI	MT789-HGI
	Light Almond	MT759-HGT	MT789-HGT
	Grey	MT759-HGY	MT789-HGY
	Black	MT759-HGE	MT789-HGE
	Brown	MT759HG	MT789-HG
	Red	MT759-HGR	MT789-HGR

TESTING AND CODE COMPLIANCE

- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL

- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:

- **Cover:** Nylon
- **Base:** Polycarbonate
- **Mounting Strap:** Galvanized Steel with rivited ground contact
- **Ground Clip:** Brass
- **Line Contacts:** Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL

- **Dielectric Voltage:** Withstands 2000V per UL 498HG
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL

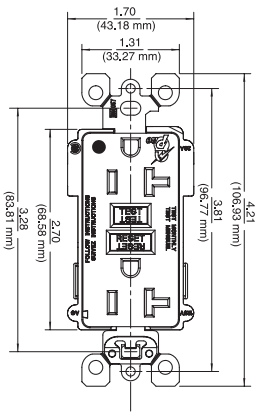
- **Product I.D.:** Ratings are permanently stamped on device

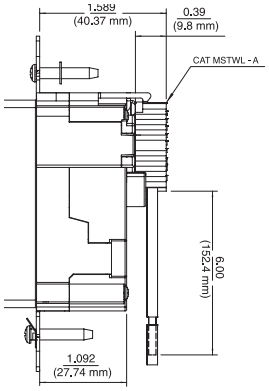
DIMENSIONS

lev-lok®

M7899-HG 20Amp-125 Volts

Dimensions apply to
Cat. Nos.
M7599-HG, MT759-HG,
M7899-HG, MT789-HG
& MSTWL-A



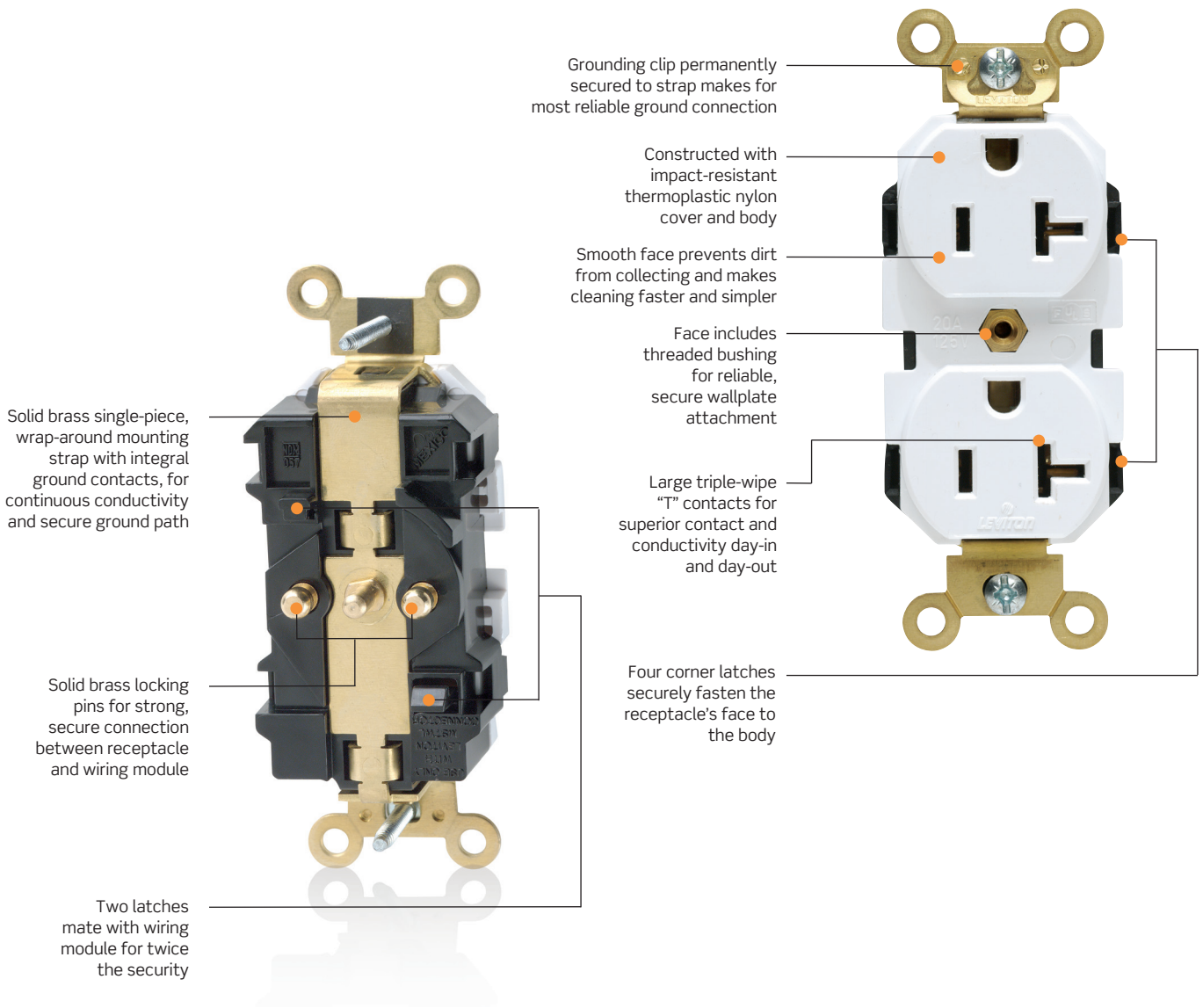


Extra Heavy-Duty Specification Grade Modular Receptacles

Specifications and Features

- Constructed with impact-resistant thermoplastic nylon cover and body
- Smooth face prevents dirt from collecting
- Four corner latches securely fasten the receptacle's face to the body
- Large triple-wipe, brass "T" line contacts for superior contact and conductivity
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Solid brass, wrap-around mounting strap with integral ground contacts for continuous conductivity and secure ground path
- Grounding clip permanently secured to strap for easy, simple, and secure installation
- Receptacle face includes threaded brass bushing for reliable, secure wallplate attachment
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective cover and factory-installed circuit ID label
- Backed by a limited Ten-Year Warranty

M5362-W





M5262-I
WITH
MSTWL-A

EXTRA HEAVY-DUTY SPECIFICATION MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding c UL us

Description	Color	Cat. No.	Cat. No.
NEMA			
		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	M5262-SGW	M5362-SGW
	Ivory	M5262-SGI	M5362-SGI
	Light Almond	M5262-SGT	M5362-SGT
	Grey	M5262-SGG	M5362-SGG
	Black	M5262-SGE	M5362-SGE
	Brown	M5262-SG	M5362-SG
	Red	M5262-SGR	M5362-SGR
	Blue	M5262-SGB	M5362-SGB
Duplex	White	M5262-W	M5362-W
	Ivory	M5262-I	M5362-I
	Light Almond	M5262-T	M5362-T
	Grey	M5262-GY	M5362-GY
	Black	M5262-E	M5362-E
	Brown	M5262	M5362
	Red	M5262-R	M5362-R
	Blue	M5262-B	M5362-B
Duplex, Isolated Ground, Tamper Resistant	White	MT562-IGW	MT563-IGW
	Ivory	MT562-IGI	MT563-IGI
	Light Almond	MT562-IGT	MT563-IGT
	Grey	MT562-IGG	MT563-IGG
	Black	MT562-IGE	MT563-IGE
	Red	MT562-IGR	MT563-IGR
	Orange	MT562-IG	MT563-IG
Duplex, Isolated Ground	White	M5262-IGW	M5362-IGW
	Ivory	M5262-IGI	M5362-IGI
	Light Almond	M5262-IGT	M5362-IGT
	Grey	M5262-IGG	M5362-IGG
	Black	M5262-IGE	M5362-IGE
	Red	M5262-IGR	M5362-IGR
	Orange	M5262-IG	M5362-IG

TESTING AND CODE COMPLIANCE
- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL
- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:
- **Cover:** Nylon
- **Base:** Nylon
- **Mounting Strap (non-IG):** Single Piece Solid Brass with integral ground contact
- **Mounting Strap (IG versions):** Steel
- **Isolated Ground System (IG Versions):** Brass
- **Ground Clip:** Brass
- **Line Contacts:** 0.040" Thick Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V per UL 498
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL
- **Product I.D.:** Ratings are permanently stamped on device

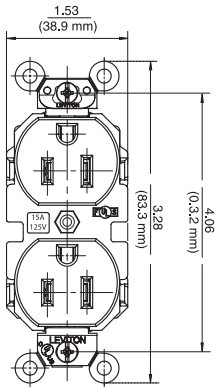
HORSEPOWER
15A - 125V — ½
20A - 125V — 1

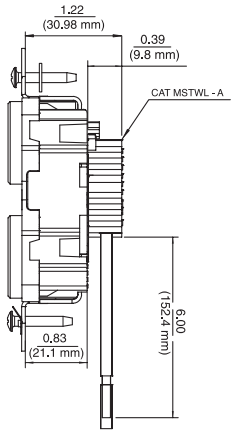
DIMENSIONS

lev-lok®

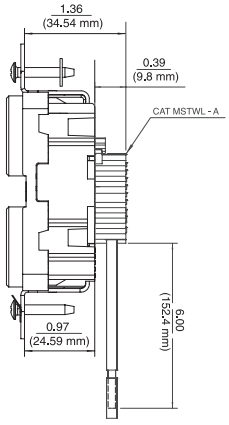
M5262 15 Amp-125 Volts

Dimensions apply to Cat. Nos.
M5262, M5262-SG, M5362, M5362-SG, and MSTWL-A



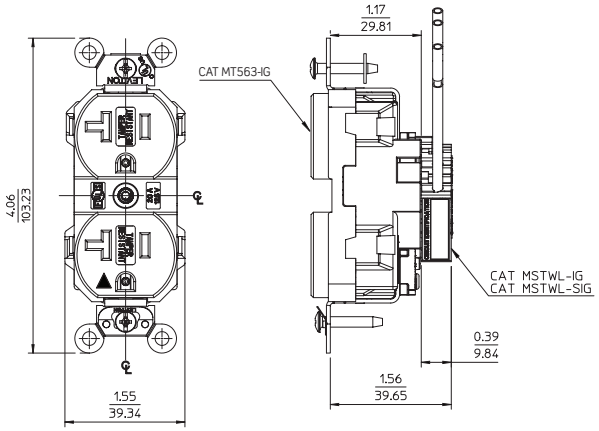


Standard



Tamper-Resistant

Dimensions apply to Cat. Nos.
M5262-IG, MT526-IG, M5362-IG, MT563-IG & MSTWL-IG



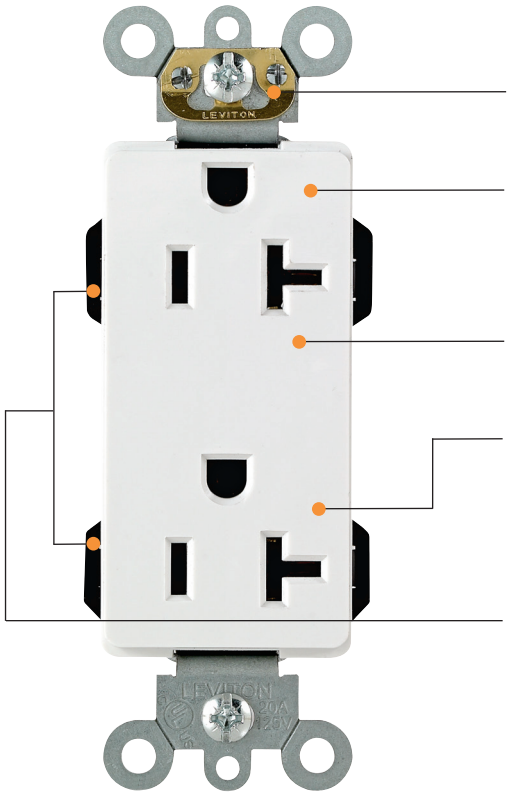
Commercial Grade

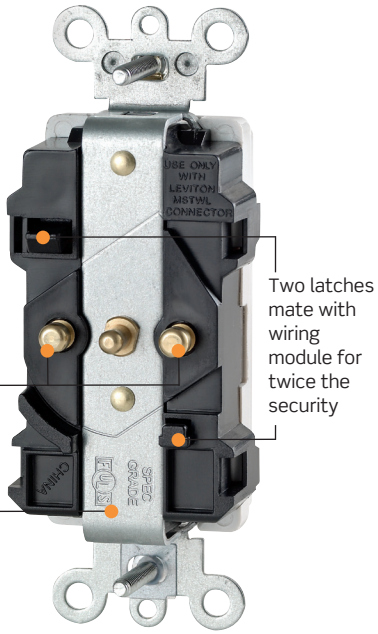
Decora Plus™ Heavy-Duty Specification Modular Receptacles

Specifications and Features

- Constructed with impact-resistant thermoplastic nylon cover and body
- Smooth face prevents dirt from collecting
- Four corner latches securely fasten the receptacle's face to the body
- Large triple-wipe, brass "T" line contacts for superior contact and conductivity
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Galvanized steel, wrap-around mounting strap with riveted ground contacts
- Grounding clip permanently secured to strap for easy, simple, and secure installation
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective label and factory-installed Circuit ID label
- Backed by a limited 10-Year Warranty

M1636-W





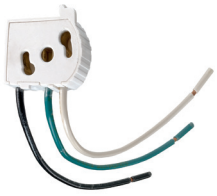
DECORA PLUS™ HEAVY-DUTY SPECIFICATION GRADE

2-Pole 3-Wire Grounding c UL us

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		15A-125V	20A-125V
Duplex, Tamper Resistant	White	MT162-W	MT163-W
	Ivory	MT162-I	MT163-I
	Lt. Almond	MT162-T	MT163-T
	Grey	MT162-GY	MT163-GY
	Black	MT162-E	MT163-E
	Brown	MT162	MT163
	Red	MT162-R	MT163-R
	Blue	MT162-B	MT163-B
Duplex	White	M1626-W	M1636-W
	Ivory	M1626-I	M1636-I
	Lt. Almond	M1626-T	M1636-T
	Grey	M1626-GY	M1636-GY
	Black	M1626-E	M1636-E
	Brown	M1626	M1636
	Red	M1626-R	M1636-R
	Blue	M1626-B	M1636-B
Duplex, Isolated Ground, Tamper Resistant	White	MT162-IGW	MT163-IGW
	Ivory	MT162-IGI	MT163-IGI
	Light Almond	MT162-IGT	MT163-IGT
	Grey	MT162-IGG	MT163-IGG
	Black	MT162-IGE	MT163-IGE
	Red	MT162-IGR	MT163-IGR
	Orange	MT162-IG	MT163-IG
Duplex, Isolated Ground	White	M1626-IGW	M1636-IGW
	Ivory	M1626-IGI	M1636-IGI
	Light Almond	M1626-IGT	M1636-IGT
	Grey	M1626-IGG	M1636-IGG
	Black	M1626-IGE	M1636-IGE
	Red	M1626-IGR	M1636-IGR
	Orange	M1626-IG	M1636-IG



M1636-W



MSTLW-A

TESTING AND CODE COMPLIANCE

- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL

- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:

- **Cover:** Nylon
- **Base:** Nylon
- **Mounting Strap (non-IG):** Single Piece Galvanized Steel with riveted ground contact
- **Mounting Strap (IG versions):** Galvanized Steel
- **Isolated Ground System (IG Versions):** Brass
- **Ground Clip:** Brass
- **Line Contacts:** 0.040" Thick Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL

- **Dielectric Voltage:** Withstands 2000V per UL 498
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL

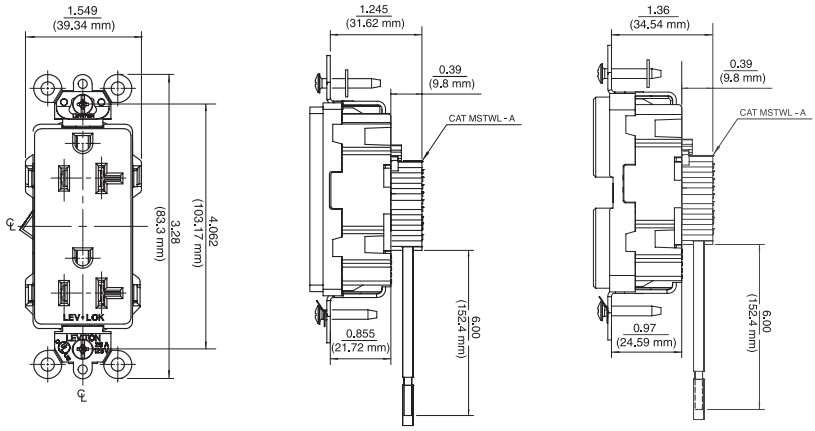
- **Product I.D.:** Ratings are permanently stamped on device

DIMENSIONS

lev-lok®

M1636 20 Amp-125 Volts

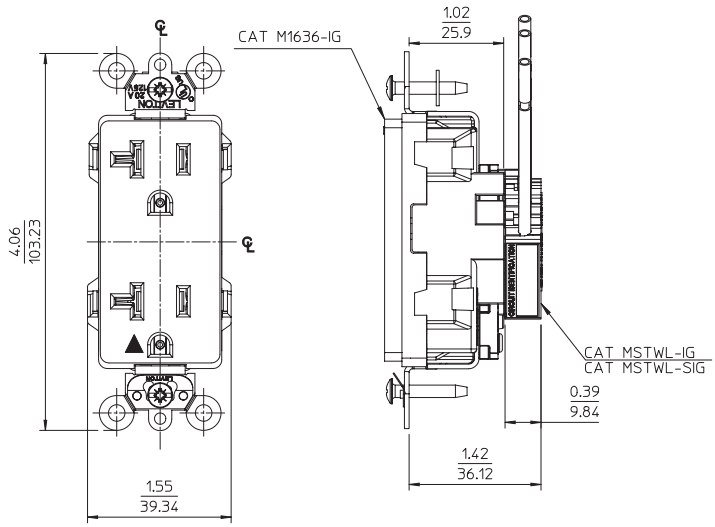
Dimensions apply to
Cat. Nos.
M1626, MT162, M1636,
MT163 & MSTWL-A



Standard Tamper-Resistant

M1636 – IG

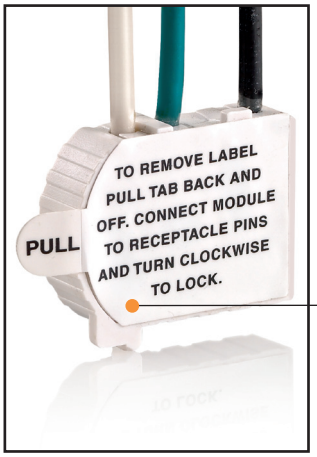
Dimensions apply to
Cat. Nos.
M1626-IG, MT162-IG,
M1636-IG, MT163-IG,
MSTWL-IG



SmartlockPro® GFCI Modular Receptacles

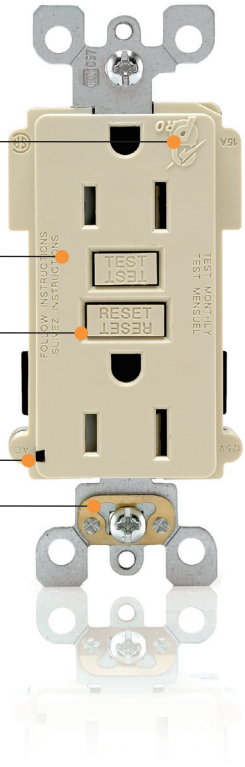
Specifications and Features

- GFCI protects one duplex receptacle. No feed-through capability
- Constructed with impact-resistant nylon cover
- Large triple-wipe, brass "T" line contacts on 20A for superior contact and conductivity
- The SmartlockPro receptacle automatically tests the GFCI every time the RESET button is pushed. The GFCI will not reset if the GFCI circuit is not functioning properly
- Built-in end-of-life indication. If the SmartlockPro receptacle can no longer provide GFCI protection, it will not reset and no power is supplied to the face
- Trip threshold meets or exceeds UL requirements for tripping time
- Right Angle Wiring module's thin profile makes it easier to place GFCI receptacle in the box
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective label and factory-installed Circuit ID label



Right Angle Wiring Module makes GFCI easier to install and reduces footprint in the box

M7599-I



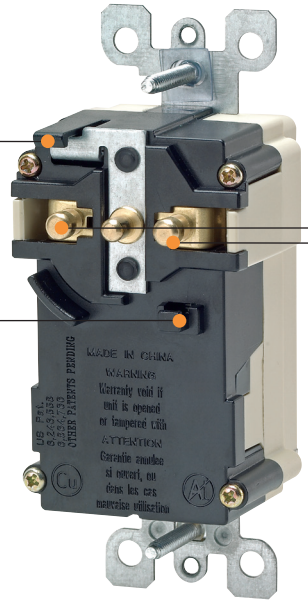
Look for the Lock! Patented lockout feature prevents RESET if the GFCI is not wired properly or the GFCI circuit is no longer functioning properly.

Impact resistant nylon cover withstands abuse

Advanced electronics offers superior resistance to surges and over-voltages

Green LED indicator light: When illuminated, it indicates power is present

Grounding clip permanently secured to strap makes for most reliable ground connection



Solid brass locking pins for strong, secure connection between receptacle and wiring module

Two latches mate with wiring module for twice the security



M7599-I
WITH
MSTWL-A

SMARTLOCKPRO® MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding c UL us

Description	Color	Cat. No.	Cat. No.
NEMA			
		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	MT759-W	MT789-W
	Ivory	MT759-I	MT789-I
	Light Almond	MT759-T	MT789-T
	Grey	MT759-GY	MT789-GY
	Black	MT759-E	MT789-E
	Brown	MT759	MT789
	Red	MT759-R	MT789-R
Duplex	White	M7599-W	M7899-W
	Ivory	M7599-I	M7899-I
	Light Almond	M7599-T	M7899-T
	Grey	M7599-GY	M7899-GY
	Black	M7599-E	M7899-E
	Brown	M7599	M7899
	Red	M7599-R	M7899-R

TESTING AND CODE COMPLIANCE

- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL

- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:

- **Cover:** Nylon
- **Base:** Polycarbonate
- **Mounting Strap (non-IG):** Single Piece Galvanized Steel with riveted ground contact
- **Mounting Strap (IG versions):** Nickel-Plated Steel
- **Isolated Ground System (IG Versions):** Brass
- **Ground Clip:** Nickel-Plated Brass
- **Line Contacts:** Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL

- **Dielectric Voltage:** Withstands 2000V per UL 498
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL

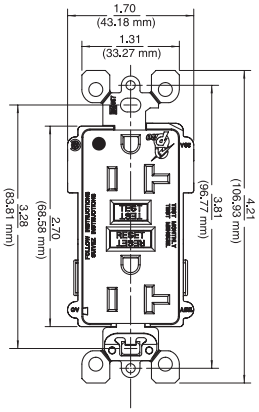
- **Product I.D.:** Ratings are permanently stamped on device

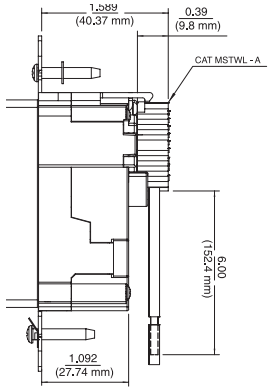
DIMENSIONS

lev-lok®

M7899 20 Amp-125 Volts

Dimensions apply to
Cat. Nos.
M7599, MT759,
M7899, MT789 & MSTWL-A



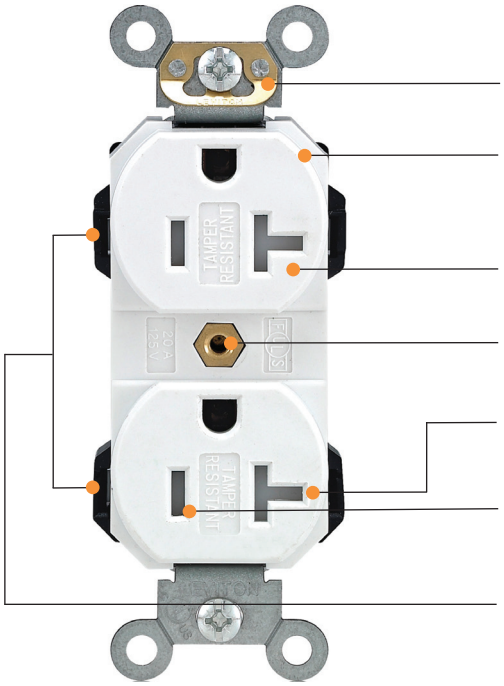


Lev-Lok® Heavy-Duty Specification Grade Modular Receptacles

Specifications and Features

- Constructed with impact-resistant thermoplastic nylon cover and body
- Smooth face prevents dirt from collecting
- Four corner latches securely fasten the receptacle's face to the body
- Large triple-wipe, brass "T" line contacts for superior contact and conductivity
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Galvanized steel, wrap-around mounting strap with riveted ground contacts
- Grounding clip permanently secured to strap for easy, simple, and secure installation
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module shipped separately with protective label and factory-installed Circuit ID label
- Backed by a limited 10-Year Warranty

MT563-SW



Grounding clip permanently secured to strap makes for most reliable ground connection

Constructed with impact-resistant thermoplastic nylon cover and body

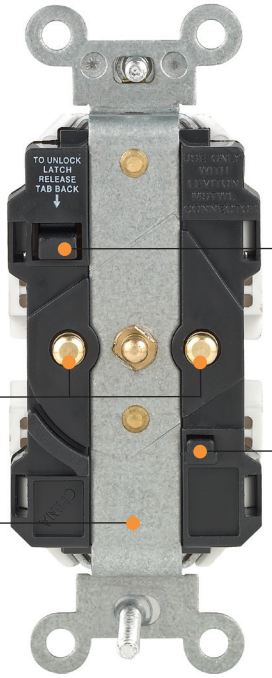
Smooth face prevents dirt from collecting and makes cleaning faster and simpler

Face includes threaded bushing for reliable, secure wallplate attachment

Large triple-wipe "T" contacts for superior contact and conductivity day-in and day-out

Unique tamper-resistant shutter system prevents incidental contact with live contacts

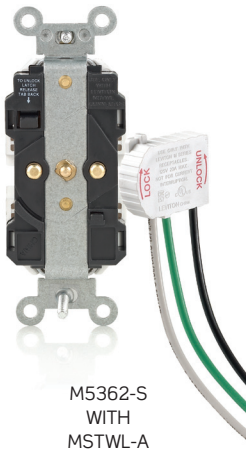
Four corner latches securely fasten the receptacle's face to the body



Two latches mate with wiring module for twice the security

Solid brass locking pins for strong, secure connection between receptacle and wiring module

Galvanized steel single-piece, wrap-around mounting strap with riveted ground contacts



M5362-S
WITH
MSTWL-A

HEAVY-DUTY SPECIFICATION GRADE MODULAR RECEPTACLES

2-Pole, 3-Wire Grounding

Description	Color	Cat. No.	Cat. No.
NEMA		5-15R	5-20R
Rating		**15A-125V**	**20A-125V**
Duplex, Tamper Resistant	White	MT562-SW	MT563-SW
	Ivory	MT562-SI	MT563-SI
	Light Almond	MT562-ST	MT563-ST
	Grey	MT562-SGY	MT563-SGY
	Brown	MT562-S	MT563-S
Duplex	White	M5262-SW	M5362-SW
	Ivory	M5262-SI	M5362-SI
	Light Almond	M5262-ST	M5362-ST
	Grey	M5262-GYS	M5362-GYS
	Brown	M5262-S	M5362-S

TESTING AND CODE COMPLIANCE
- NEMA WD 1 and 6
- cULus Listed
- NOM Certified (#057)
- ANSI Standard C-73

ENVIRONMENTAL
- **Flammability:** Rated V-2 per UL-94
- **Operating Temperature:** -40°C (without impact) to 60°C Continuous

MATERIAL SPECIFICATIONS:
- **Cover:** Nylon
- **Base:** Nylon
- **Mounting Strap (non-IG):** Single Piece Galvanized Steel with riveted ground contact
- **Ground Clip:** Brass
- **Line Contacts:** 0.040" Thick Brass
- **Locking Pins:** Solid Brass
- **Mounting Screws:** Triple Combination Head, Steel
- **Shutter Mechanism (Tamper Resistant versions):** Delrin® Acetal

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V per UL 498
- **Max. Working Voltage:** 125V as rated
- **Current Interrupting:** Full rated current
- **Temp. Rise:** Max 30°C after 250 cycles of overload at 200% of rated current

MECHANICAL
- **Product I.D.:** Ratings are permanently stamped on device

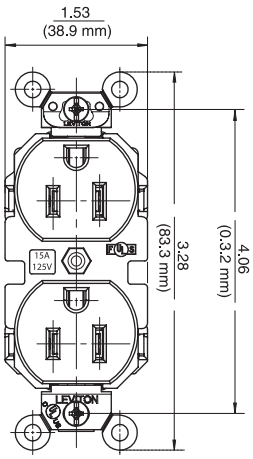
HORSEPOWER
15A - 125V — ½
20A - 125V — 1

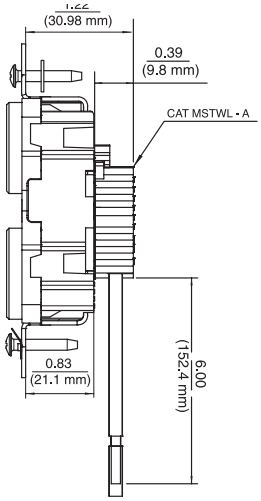
DIMENSIONS

lev-lok®

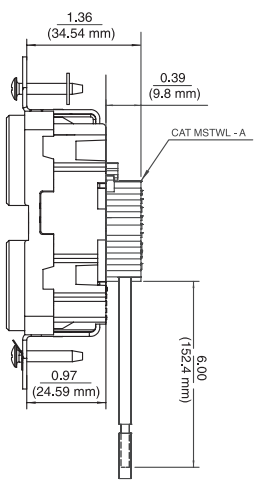
M5262, 15 Amp-125 Volts

Dimensions apply to
Cat. Nos.
M5262-S, M5362-S, MT562-S,
MT563-S and MSTWL





Standard



Tamper-Resistant

EZE-Rough® Prefab Branch Wiring System

The leader in the prefabricated wiring assembly market with over 14,000 unit installations. Superior technical service, quality assurance, engineering, research and development, testing and the highest manufacturing standards.

Industry Trends

Recent studies show that prefabricated wiring systems are the most effective way to complete projects faster. Using prefabricated and preassembled electrical components bring substantial cost savings, especially for large projects with many identical layouts such as hotels, condos and hospitals. With this principle in mind, the revolutionary EZE-Rough System was born.

Partner with EZE-Rough®

The most advanced, turnkey branch wiring solution in commercial construction. Combines advanced engineering layout services with prefab electrical wiring assemblies customized to job specs. The result: projects completed faster and under budget.

Specifications and Features

Cost Savings:

- Exclusive design verification at estimate phase reduces errors and oversights
- Improves profitability with efficient skill set allocation
- Layout service maximizes on site workflow efficiency

Accelerated Project Completion:

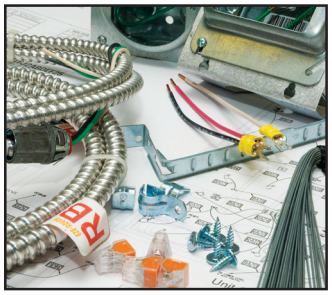
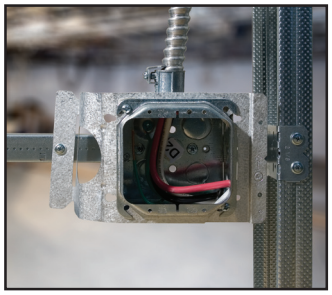
- Prefab process dramatically reduces clean up time
- Install complete system out of the box without leaving the work area
- Prefabricated components significantly speed installation time

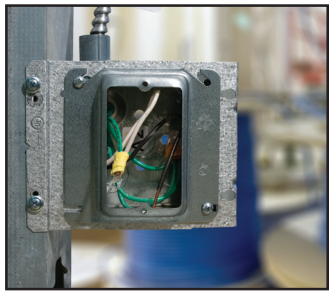
Expert Project Management:

- Professional Engineer engaged at proposal phase
- On site system mock up prior to full production
- Project Coordinator trains installation crew on site, and remains available for consultation throughout the project

Powered by Leviton:

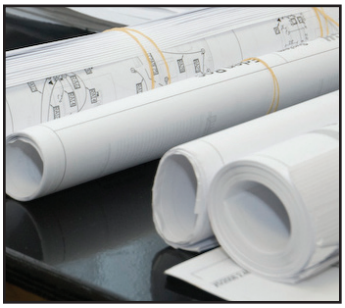
- Over a century of experience developing world class quality products
- The number one choice of electrical contractors for building, expanding, and remodeling hospitals, commercial office buildings, convention centers and other multiple unit structures



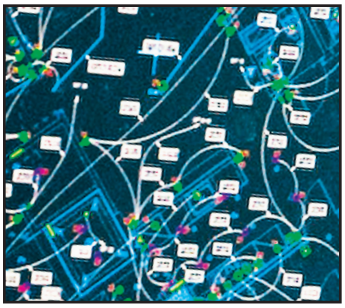
EZE-Rough System, Inc.
A Leviton Company
12400 S.W. 134 Ct. #1, Miami, FL 33186
Ph: 305-779-6400 Fax: 305-779-6450
Website: www.EZErough.com email: info@EZErough.com

How EZE-Rough System Works



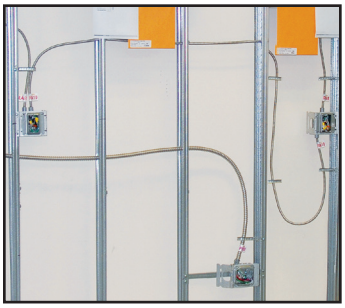
1. SUBMIT ELECTRICAL DRAWINGS FOR PROPOSAL

Our professional engineers review your drawings and confirm your local building codes to ensure complete accuracy of the proposal. Proposals provide detailed materials list including estimated install time.



2. PLACE THE ORDER

Layout drawings are generated detailing location and elevation of all rough-in boxes, and show all cable assemblies with required wire and length information. Plans then submitted to you for approval prior to fabrication.



3. ON-SITE SYSTEM MOCK UP

Prior to production, Project Coordinator will assist with complete installation mock up on site as a final plan verification. Modifications at this stage are much less costly than after full production.



4. PRODUCTION AND PACKAGING

All Components are produced per final set of plans. They are designed for ease of installation and superior productivity. Our state of the art production facility ensures timely production & consistent quality. All EZE-Rough assemblies are packaged in banded, double-wall cartons and labeled by location with project name, floor number, and unit designation. White shipping cartons make EZE-Rough easily identifiable. Cartons are palletized for ease of unloading and on-site handling.



5. DELIVERY AND INSTALLATION

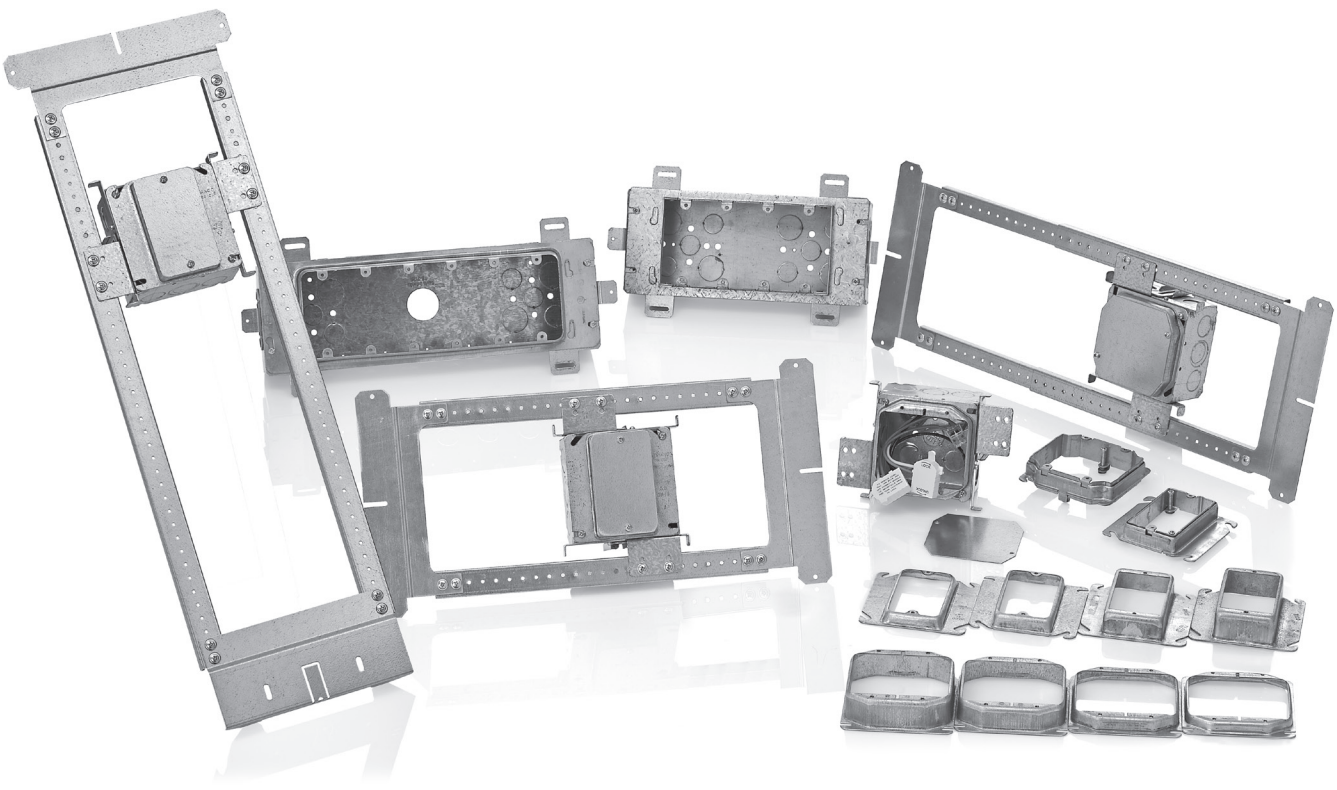
Delivery can be coordinated to match your schedule. When you're ready to install your EZE-Rough system, we provide an experienced Project Coordinator to visit the job site and assist your workers until they are proficient EZE-Rough installers. The same Project Coordinator will be available for phone consultations throughout the project and will assist with any changes that may be required.

PowerMount™ Pre-Fab Wiring Assemblies

Electrical Contractors, like much of the construction industry, are under increasing pressure to reduce total project costs, and complete them in shorter periods of time. With material costs and labor wages increasing, it seems to be an impossible task. Most electrical contractors estimate labor costs account for 60% to 75% of the total project costs. Completing your projects faster reduces your total project costs.

How?

Recent studies show that prefabricated wiring systems are the most effective way to complete projects faster. Using prefabricated and preassembled electrical components brings substantial cost savings, especially for large projects with many identical layouts such as hotels, condos and hospitals. Leviton 's new PowerMount Pre-Fab Wiring Assemblies were designed to help you complete projects faster. We engineered components that install quickly right out of the box, and easily reconfigure for those last minute on-site changes. With PowerMount prefabricated wiring assemblies, you eliminate variations and errors that plague conventionally wired projects. And with all assemblies installed at the rough-in stage, your projects are completed faster.



Specifications and Features

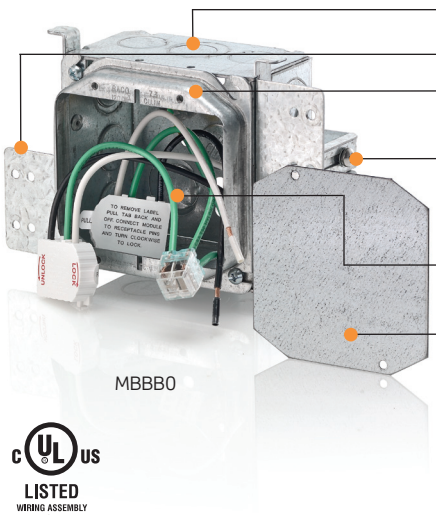
- Pre-assembled metal boxes
- Horizontal wall mount brackets
- Vertical floor mount brackets
- All PowerMount™ assemblies are cULus Listed wiring assemblies

LEVITON

Commercial Grade

Universal Box Assemblies

The core of the PowerMount system is the universal box assembly. It consists of a 4" metal box, mud ring, stud-mounting brackets, box supports, ground wire and Lev-Lok wiring module(s). The box assembly is supplied with a protective cover to keep the box interior debris-free during installation, rough-in and finish. Installation is quick and easy: simply position the box assembly onto the preferred stud location (or to other PowerMount brackets) and secure with conventional screws. The integrated bracket serves as both a "site line" and spacer for precise, consistent locating every time.



MBBB0

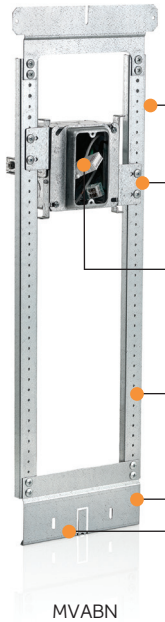
- Zinc-galvanized steel box
- Sturdy 16 gauge steel brackets allow for mounting directly to the stud (steel or wood) or to other PowerMount mounting brackets
- Mud rings are available in both single-gang and two gang configurations, for wall thicknesses from ½" to 1¼"
- Box "far side" supports are preset at the factory for standard 3½" stud depths, and are easily adjustable to fit 4" to 6" stud depths
- Ground wire is fixed to box, and includes a 6-port push wire type connector for simple, quick connection of all ground leads
- Protective plate protects wiring components during rough-in

c UL us LISTED WIRING ASSEMBLY 3SHP

Related Products
Lev-Lok™ receptacles (sold separately).
For more information on Lev-Lok Receptacles
see pages 657-676.

Floor Bracket Assemblies

The PowerMount Floor Bracket Assembly consists of a pre-configured Universal Box Assembly mounted to a vertical kickstand bracket. The box height is preset at the factory to your specification. The unique perforated rails allow for simple reconfiguration on the job site and provide for custom, multi-gang configurations unattainable in other pre-fab systems. And, installation couldn't be easier. Kick the bracket under the wall base and secure into place with two screws. That's it!



MVABN

- Perforated rails allow for mounting box at any height between 6" and 20" (in ½" increments)
- Box is independently secured to floor bracket, preventing it from falling off during mud ring removal
- Lev-Lok wiring module makes receptacle installation quick, easy and secure
- Heavy gauge steel formed channels provide for superior strength and rigidity
- "Locator Tab" can be bent down to indicate center line of electrical box when bracket is initially covered by drywall
- "Kickstand" bracket provides for simple, quick installation anywhere between studs.

c UL us LISTED WIRING ASSEMBLY 3SHP

* Lev-Lok receptacles sold separately

Horizontal Bracket Assemblies

The PowerMount Horizontal Bracket Assembly consists of a pre-configured Universal Box Assembly mounted to a bracket. The box position is preset at the factory to your specification (default location is centered on the bracket). The unique perforated rails not only allow for simple reconfiguration on the job site, but also provide for custom, multi-gang configurations unattainable in other pre-fab systems. Installation is quick and easy. Simply position the bracket in the desired location and secure directly to the studs. That's it!

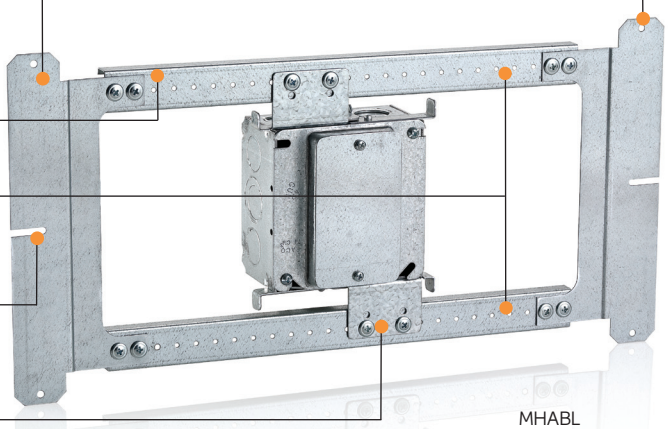
Bracket is automatically fixed to fit standard 16" on center stud spacing

Heavy gauge steel formed channels provide for superior strength and rigidity

Perforated rails allow for mounting the box in a variety of positions and easily accommodate multi-gang installations

Slot indicates center of box, making it easy to install bracket in proper location

Box is independently secured to bracket, preventing it from falling off during mud ring removal for full box access



MHABL

c UL us LISTED WIRING ASSEMBLY 3SHP

Adjustable-Width Horizontal Bracket Assemblies

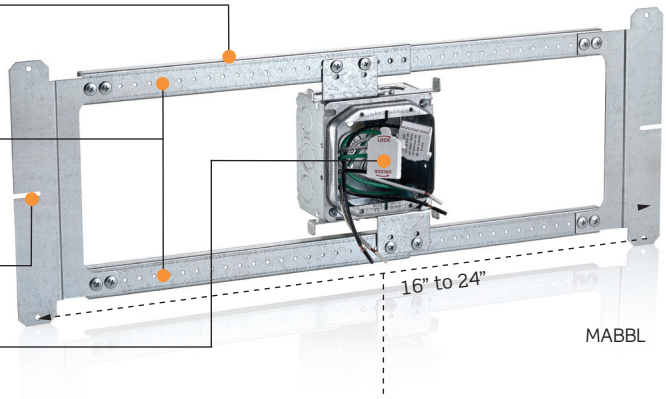
For the ultimate in flexibility, the PowerMount Adjustable-Width Horizontal Bracket Assembly consists of a pre-configured Universal Box Assembly mounted to a bracket. The box position is preset at the factory to your specification (default location is centered on the bracket.) The unique perforated rails allow for simple reconfiguration on the job site, and provide for custom, multi-gang configurations unattainable in other pre-fab systems.

Heavy gauge steel formed channels provide for superior strength and rigidity

Perforated rails allow for mounting the box in a variety of positions and easily accommodate multi-gang installations

Slot indicates center of box, making it easy to install bracket in proper location

Lev-Lok wiring module makes receptacle installation quick, easy and secure



MABBL

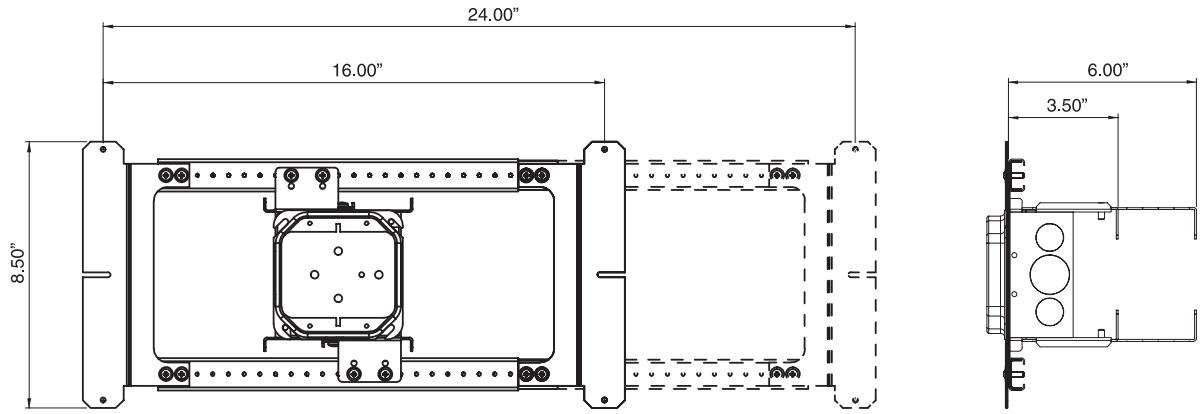
Bracket is adjustable to fit standard 16" on center stud spacing up to 24" on center stud spacing

* Lev-Lok receptacles sold separately

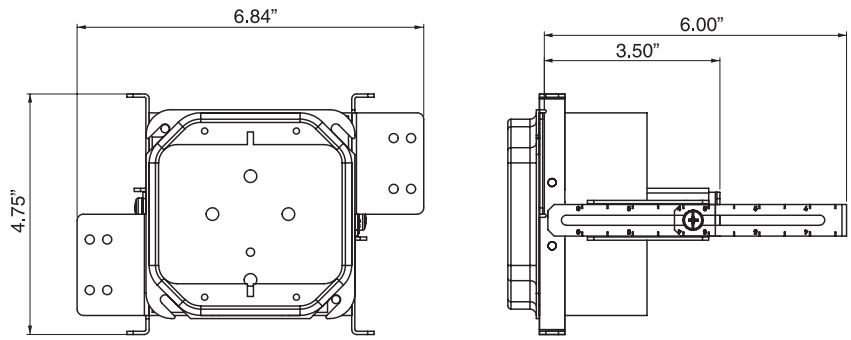
c UL us LISTED WIRING ASSEMBLY 3SHP

DIMENSIONS

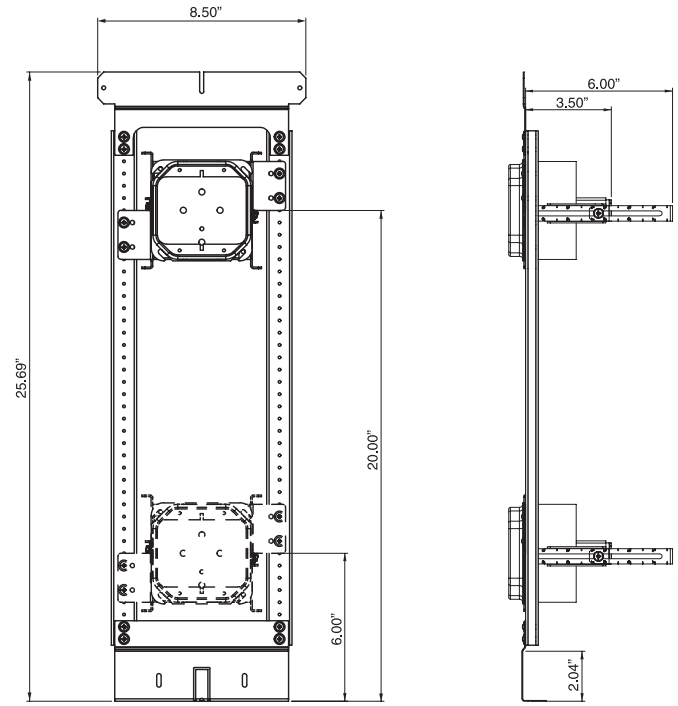
Horizontal Bracket Assembly



Universal Box Assembly



Floor Bracket Assembly



To Create Your 5-Digit Catalog Number First Use Letters From Chart A

CHART A

M	V	A	B	L
Family Code	**Component Type**	**Box 1 Assembly Type**	**Mud Ring Type**	**Floor Bracket Height or wall Bracket Width**
M	**V** = Vertical Floor Bracket Assembly **H** = Fixed-width Horizontal Wall Bracket Assembly **A** = Adj-Width Horizontal Wall Bracket Assembly **B** = Universal Box Assembly Only	**O** = No Box (Bracket Only) **A** = 4" X 2 1/8"" Box, 1-Gang Mud Ring 1 Wiring Module **B** = 4" X 2 1/8" Box 2-Gang Mud-ring, 2- Wiring Modules **E** = 4" X 2 1/8" Box, 1-Gang Mud Ring, No Wiring Module **F** = 4" X 2 1/8" Box, 2-Gang Mud Ring, No Wiring Module	**0** = No Mud Ring **A** = 1/2" wall thickness **B** = 5/8" wall thickness **C** = 3/4" wall thickness **D** = 1" wall thickness **E** = 1 1/4" wall thickness **F** = Adjustable	**O** = Default **A** = 6" **B** = 7" **C** = 8" **D** = 9" **E** = 10" **F** = 11" **G** = 12" **H** = 13" **J** = 14" **K** = 15" **L** = 16" **M** = 17" **N** = 18" **P** = 19" **Q** = 20" **R** = 24" - Horizontal Bracket Only

Build your own! leviton.com / configurator

If Additional Boxes Are Required Use Information From Chart B To Create 3-Digit Suffix.

CHART B

	O	O	O
	Box 2 Type	**Box 2 Position**	**Options**
	O = No Box **A** = 4" X 2 1/8" Box, 1-Gang Mud Ring 1 Wiring Module **B** = 4" X 2 1/8" Box, 2-Gang Mud Ring 2 Wiring Modules **E** = 4" X 2 1/8" Box, 1-Gang Mud Ring No Wiring Module **F** = 4" X 2 1/8" Box, 2-Gang Mud Ring No Wiring Module	**A** = Adjacent Left **B** = Adjacent Right **C** = Adjacent Below **D** = Both inside perimeter of Bracket	**O**

(These are the most popular PowerMount™ configurations)

STOCK CONFIGURATION TABLE US

Bracket Type	Code	Description
Vertical Fixed	MVABN	Vertical 4" Box Assembly, 1G 5/8" Mud Ring, 18 " centered
	MVBBN	Vertical 4" Box Assembly, 2G 5/8" Mud Ring, 18" centered
Horizontal Fixed	MHABL	Horizontal Fixed 4" Box Assembly, 1G 5/8" Mud Ring, 8" centered
	MHBBL	Horizontal Fixed 4" Box Assembly, 2G 5/8" Mud Ring, 8" centered
Horizontal Adj.	MAABL	Horizontal Adjust 4" Box Assembly at 16", 1G 5/8" Mud Ring, 8" centered
	MABBL	Horizontal Adjust 4" Box Assembly at 16", 2G 5/8" Mud Ring, 8" centered
Universal Box Assembly	MBAB0	1G 4" Box Assembly, 1G 5/8" Mud Ring
	MBBB0	1G 4" Box Assembly, 2G 5/8" Mud Ring

Residential and Commercial Grade

Cheetah Speed System - How The System Works

The patented Cheetah Speed System™ enables electrical devices, switches, receptacles, and wallplates to be installed without screws using a revolutionary speed anchor and snap & lock system, researched and developed with and by electricians. The Cheetah Speed System™ increases the speed of installation by up to 40% to 50%, and at the same time, offers the elegance, style, and designer look of screwless wallplates, at a very affordable price.

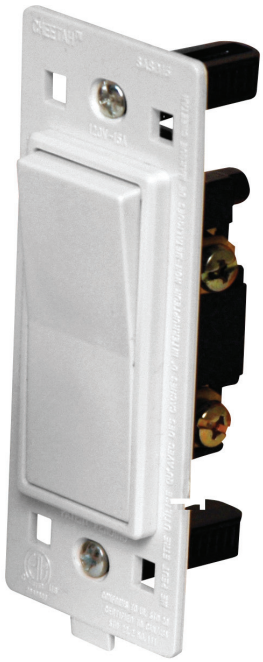
Specifications and Features

- Increases the speed of installation by 40% to 50%
- Enables electrical devices to be installed without screws
- Speed Anchor System snaps and locks into place
- Installs flush to the wall

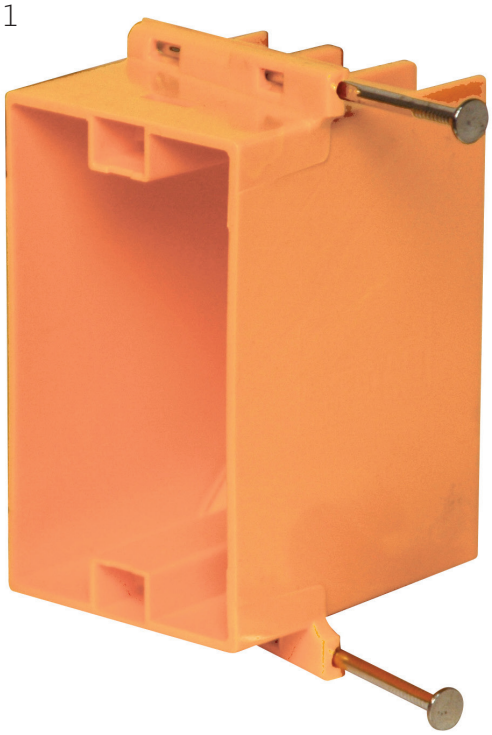
3



2



1



1. CHEETAH SPEED BOX (1 - 4 GANG BOXES)

- High strength thermoplastic composites with speed anchor slots
- Each slot has molded teeth to receive speed anchors
- Teeth on box zip-tie to hold speed anchors

2. CHEETAH SPEED DEVICE (SWITCHES, RECEPTACLES, DIMMERS, ETC.)

- Speed Anchor zip-ties into the patented Cheetah Speed Wallboxes
- Fastens with a standard 6-32 Screw
- Quickwire or side terminals
- No screws needed

3. CHEETAH SCREWLESS WALLPLATE

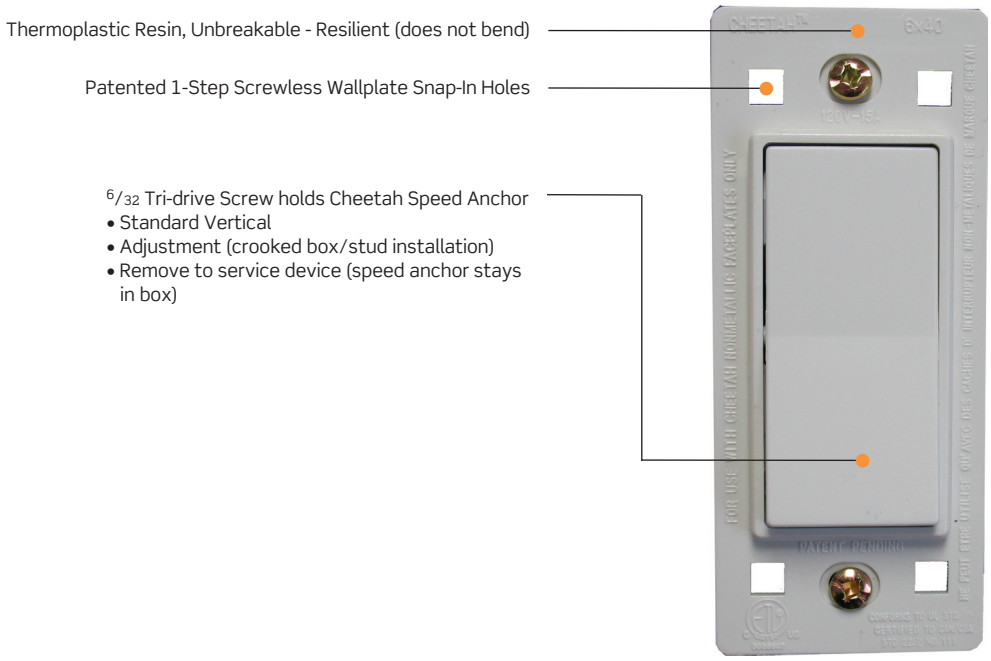
- Wallplates snap into 4 holes in each Cheetah device
- Midway matte finish in high strength thermoplastic

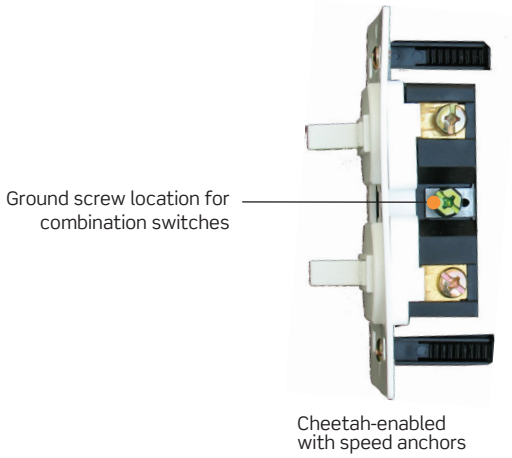
Decora®, Toggle and Combination Switches

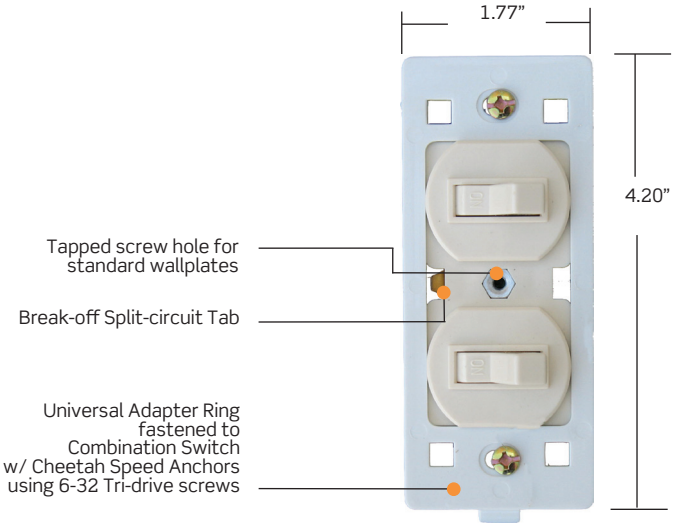
Cheetah-enabled Decora, toggle and combination switches complement any décor. Preassembled with Cheetah Speed Anchors, they install quickly and blend beautifully with the matte finish screwless wallplates. Cheetah switches are available in Single Pole, 3-Way and 4-Way configurations.

Specifications and Features

- Complement any home décor
- Single pole, 3-way and 4-way configurations
- Quickwire or Side Wire for easy installation
- Combination switches save space







DECORA® SWITCHES

Side and Quickwire



6030-COW

Description	Color	Cat. No
Rating		**15A-120/277VAC**
Single Pole Switch, no ground	White	6030-C0W
	Ivory	6030-C0I
	Light Almond	6030-C0T
	Black	6030-C0E
3-Way Switch, no ground	White	6040-C0W
	Ivory	6040-C0I
	Light Almond	6040-C0T
	Black	6040-C0E
4-Way Switch, no ground	White	6050-C0W
	Ivory	6050-C0I
	Light Almond	6050-C0T
	Black	6050-C0E

Note: Non-Metallic strap for use with Cheetah Wallplates only.

TOGGLE SWITCHES

Side and Quickwire



6000-COW

Description	Color	Cat. No
Rating		**15A-120VAC**
Single Pole Switch, no ground	White	6000-C0W
	Ivory	6000-C0I
	Light Almond	6000-C0T
	Black	6000-C0E
3-Way Switch, no ground	White	6010-C0W
	Ivory	6010-C0I
	Light Almond	6010-C0T
	Black	6010-C0E
4-Way Switch, no ground	White	6020-C0W
	Ivory	6020-C0I
	Light Almond	6020-C0T
	Black	6020-C0E

Note: Non-Metallic strap for use with Cheetah Wallplates only.

COMBINATION DECORA SWITCHES

Side and Quickwire



1754-COW

Description	Color	Cat. No
Rating		**Individual Switches: 15A-120VAC, Device Total: 20A-120VAC**
Single Pole Dual Combination Switch	White	1754-C0W
	Ivory	1754-C0I
	Light Almond	1754-C0T

COMBINATION TOGGLE SWITCHES

Side and Quickwire

Description	Color	Cat. No
Rating		**15A-120/277VAC**
Single Pole Dual Combination Switch	White	5224-C0W
	Ivory	5224-C0I
	Light Almond	5224-C0T

DECORA® SWITCHES

Back and Side Wired

Description	Color	Cat. No
Rating		**20A-120/277VAC**
Single Pole Decora Switch	White	5621-C0W
	Ivory	5621-C0I
	Light Almond	5621-C0T
3-Way Decora Switch	White	5623-C0W
	Ivory	5623-C0I
	Light Almond	5623-C0T


5621-C0W

ILLUMINATED DECORA SWITCHES

Back and Side Wired

Description	Color	Cat. No
Rating		**20A-120/277VAC**
Single Pole Decora Switch	White	5631C-C0W
	Ivory	5631C-C0I
	Light Almond	5631C-C0T

TOGGLE SWITCHES

Side Wired

Description	Color	Cat. No
Rating		**20A-120/277VAC**
Single Pole Toggle Switch	White	54521-C0W
	Ivory	54521-C0I
	Light Almond	54521-C0T
3-Way Toggle Switch	White	54523-C0W
	Ivory	54523-C0I
	Light Almond	54523-C0T


54521-C0W

ILLUMINATED TOGGLE SWITCHES

Back and Side Wired

Description	Color	Cat. No
Rating		**20A-120/277VAC**
Single Pole Toggle Switch	Clear	1221C-LHC
	White	1221C-LHW
	Ivory	1221C-LHI
	Light Almond	1221C-LHT


1221C-LHW

TESTING AND CODE COMPLIANCE
- ETL Listed, tested to UL20 and CSA Standards; meets NEMA and ANSI requirements
- UL 20
- CSA C22.22 No. 111

MATERIAL CHARACTERISTICS
- **Environmental:** Flammability, Rated V2
- **Operating Temperature:** Max continuous +60˚C; Min -40˚C

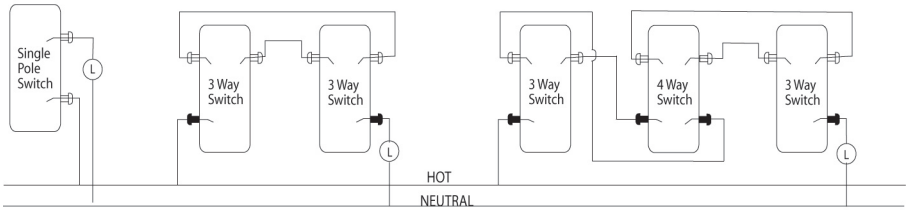
ELECTRICAL
- **Dielectric Voltage:** Withstands 1500V minimum
- **Maximum Working Voltage:** Commercial Grade Switches 277VAC
- **Overload:** Minimum 4.8 times rated current for 100 cycles
- **Current Interrupting:** Certified for current interrupting at full-rated current
- **Temperature Rise:** Max 30˚C. at full-rated current after 50 cycles
- **(For Commercial Devices) Endurance:** 50,000 cycles minimum, resistive, inductive, tungsten filament lamp load (Fed Spec)

MECHANICAL
- **Terminal Identification:** UL20 - Brass (hot), Black (hot)
- **Terminal Size:** #14 - #10 AWG Copper Conductor Only
- **Product ID:** Ratings marked permanently on device

WIRING DIAGRAM

Warning: Although each individual rocker switch is rated up to 15A-120V, the total combined load for both rockers must not exceed 20 AMPS

1 Pole, 3-Way, 4-Way Switches Wire Diagrams



Cheetah Receptacles — Residential and Commercial Grade

Built with high strength thermoplastic resins, Cheetah receptacles are heavy duty and resilient to bending or breaking. They come in a wide range of versions for every application. The selection includes Decora, Single and Duplex Receptacles, Tamper Resistant and Weather Resistant devices, GFCIs and Dryer/Range receptacles.

Specifications and Features

All Receptacles

- Preassembled with Cheetah Speed Anchors fastened with 6-32 screws for easy removal or adjustment after installation
- Heavy duty and resilient

Tamper Resistant and Tamper/Weather Resistant Receptacles

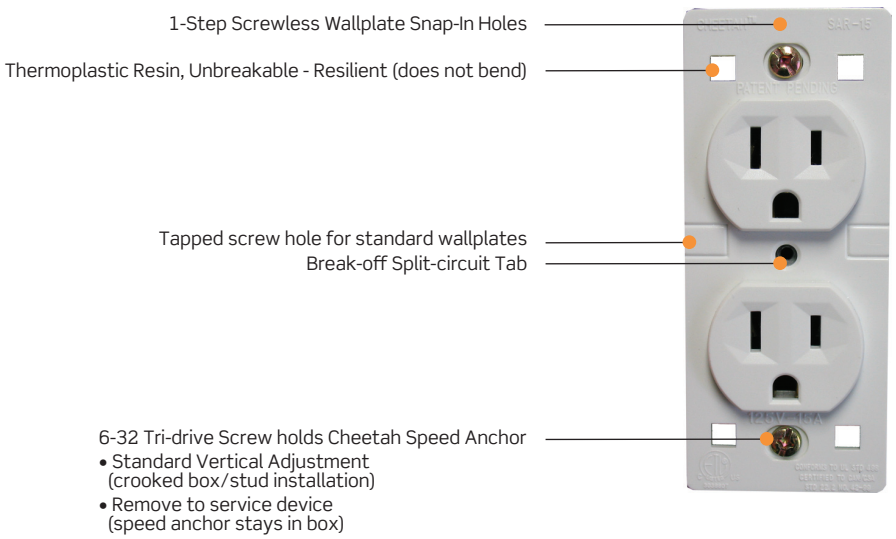
- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out
- Tamper Resistant Receptacle meets 2008 NEC Code, Section 406.11
- Tamper/Weather Resistant Receptacle also meets UL 498 requirements, as well as Sections 406.8 (weather resistant) and 406.11 (tamper resistant) of the NEC code
- Tamper/Weather Resistant Receptacle is ideal in damp or wet locations
- Available in Decora, single or duplex versions

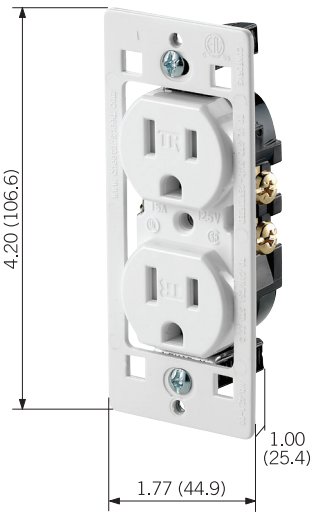
SmartlockPro® GFCI Receptacles

- Automatically tests the GFCI every time the RESET button is pushed
- Blocks RESET of the GFCI if protection has been compromised
- Available in Tamper Resistant and Tamper/Weather Resistant versions

Dryer/Range Receptacles

- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Includes stainless steel wallplate





T5320-C0W

DECORA® AND DUPLEX RECEPTACLES

Side and Quickwire



7020-C0W

Description	Color	Cat. No
NEMA		 5-15R
Rating		**15A-125V**
Decora Receptacle	White	7020-C0W
	Ivory	7020-C0I
	Light Almond	7020-C0T
	Black	7020-C0E
Duplex Receptacle	White	7000-C0W
	Ivory	7000-C0I
	Light Almond	7000-C0T
	Black	7000-C0E



7000-C0W

Description	Color	Cat. No
NEMA		 5-20R
Rating		**20A-125V**
Duplex Receptacle	White	CR20-C0W
	Ivory	CR20-C0I
	Light Almond	CR20-C0T

TAMPER RESISTANT AND TAMPER/WEATHER RESISTANT RECEPTACLES



T5325-C0W

Description	Color	Cat. No
NEMA		 5-15R
Rating		**15A-125V**
Tamper Resistant Decora Receptacle	White	T5325-C0W
	Ivory	T5325-C0I
	Light Almond	T5325-C0T
	Black	T5325-C0E
Tamper Resistant Duplex Receptacle	White	T5320-C0W
	Ivory	T5320-C0I
	Light Almond	T5320-C0T
	Black	T5320-C0E
Tamper/Weather Resistant Duplex Receptacle	White	W5320-TCW
	Ivory	W5320-TCI
Tamper Resistant Single Receptacle	White	T5015-C0W
	Ivory	T5015-C0I
	Light Almond	T5015-C0T



T5320-C0W

Description	Color	Cat. No
NEMA		 5-20R
Rating		**20A-125V**
	White	T5020-C0W
	Ivory	T5020-C0I
	Light Almond	T5020-C0T

TAMPER RESISTANT RECEPTACLES

Description	Color	Cat. No
NEMA		 5-20R
Rating		**20A-125V**
Tamper Resistant Decora® Receptacle	White	TDR20-C0W
	Ivory	TDR20-C0I
	Light Almond	TDR20-C0T
	Black	TDR20-C0E
Tamper Resistant Duplex Receptacle	White	TBR20-C0W
	Ivory	TBR20-C0I
	Light Almond	TBR20-C0T
	Black	TBR20-C0E


7599-C0W

COMMERCIAL SPEC GRADE SMARTLOCKPRO® GFCI RECEPTACLES

Description	Color	Cat. No
NEMA		 5-15R
Rating		**15A-125V @ Receptacle, 20A-125V Feed Through**
GFCI with LED Indicator Light	White	7599-C0W
	Ivory	7599-C0I
	Light Almond	7599-C0T
	Black	7599-C0E
NEMA		 5-20R
Rating		**20A-125V @ Receptacle, 20A-125V Feed Through**
GFCI with LED Indicator Light	White	7899-C0W
	Ivory	7899-C0I
	Light Almond	7899-C0T
	Black	7899-C0E


7899-C0W

TESTING AND CODE COMPLIANCE
- ETL Listed, tested to UL498 and UL943 Standards; tested to CSA Standards; meets NEMA and ANSI requirements
- UL 20
- CSA C22.22 No. 111

MATERIAL CHARACTERISTICS
- **Environmental:** Flammability, Rated V2
- **Operating Temperature:** Max continuous +60°C; Min -40°C Receptacles Maximum Continuous +66°C; Minimum -35°C GFCIs

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V minimum
- **Current Interrupting:** Certified for current interrupting at full-rated current

MECHANICAL
- **Terminal Identification:** UL20 - Brass (hot), Black (hot)
- **Terminal Size:** #14 - #10 AWG Copper Conductor Only
- **Product ID:** Ratings marked permanently on device

TAMPER RESISTANT AND TAMPER/WEATHER RESISTANT GFCI RECEPTACLES



T7599-COW



T7899-COW

Description	Color	Cat. No
NEMA		 **5-15R**
Rating		**15A-125V @ Receptacle, 20A-125V Feed Through**
Tamper Resistant GFCI with LED Indicator Light	White	T7599-C0W
	Ivory	T7599-C0I
	Light Almond	T7599-C0T
	Black	T7599-C0E
NEMA		 **5-20R**
Rating		**20A-125V @ Receptacle, 20A-125V Feed Through**
Tamper Resistant GFCI with LED Indicator Light	White	T7899-C0W
	Ivory	T7899-C0I
	Light Almond	T7899-C0T
	Black	T7899-C0E
NEMA		 **5-15R**
Rating		**15A-125V @ Receptacle, 20A-125V Feed Through**
Tamper/Weather Resistant GFCI with LED Indicator Light	White	W7599-TCW
	Black	W7599-TCE
NEMA		 **5-20R**
Rating		**20A-125V @ Receptacle, 20A-125V Feed Through**
Tamper/Weather Resistant GFCI with LED Indicator Light	White	W7899-TCW
	Black	W7899-TCE

DRYER/RANGE RECEPTACLES

Description	Color	Cat. No.
NEMA		 14-30R
Rating		**30A-125/250V**
Flush Mount, Grounded, 3-Pole, 4-Wire; Stainless Steel Wallplate Included	Black Device, Stainless Steel Wallplate	278C
NEMA		 14-50R
Rating	**50A-125/250VAC**	
Flush Mount, Grounded, 3-Pole, 4-Wire; Stainless Steel Wallplate Included	Black Device, Stainless Steel Wallplate	279C


278C


279C

TESTING AND CODE COMPLIANCE
- ETL Listed; tested to UL 498 and CSA Standards; meets NEMA and ANSI requirements
- Dryer/Range meets NEMA WD-6, ANSI C-73, UL 498

MATERIAL CHARACTERISTICS
- **Environmental:** Flammability UL-94, V2 Rating
- **Operating Temperature:** From -40˚C to 60˚C maximum continuous

ELECTRICAL
- **Dielectric Voltage:** Withstands 2000V minimum
- **Current Interrupting:** Certified for current interrupting at full-rated current

MECHANICAL
- **Terminal I.D.:** UL498 - Brass (hot), White (neutral), Green (ground)
- **Terminal Size:** #14 - #10 AWG Copper Conductor Only; Dryer Range up to 4AWG Copper Conductor Only
- **Product ID:** Ratings marked permanently on device

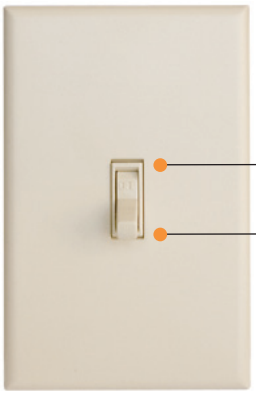
Cheetah Lighting Controls and Sensors

The labor-saving Cheetah line includes rotary, slide and toggle dimmers, fan speed controls and occupancy sensors for quick installation in homes, offices and commercial venues.

Specifications and Features

- Preset toggle and slide dimmers
- Traditional rotary dimmers
- Single pole or 3-way
- Radio frequency interference filtering
- Quiet 1.5A fan speed control
- Title 24 compliant occupancy sensor

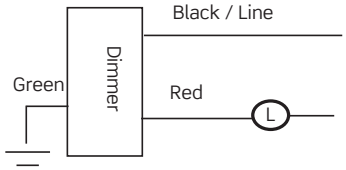
How It Works



ON/OFF (energy efficient)
- Lights Ramp UP Slowly to Smart Set
- Lights Ramp DOWN Slowly

DIM LIGHTS
- Hold/Press toggle switch in UP position
- Lights cycle through the dimmer range
- SMART SET: Release Toggle Switch at desired smart setting

STYLE & QUALITY
- Matte finish (no glossy Wallplates)
- Easy to Clean (dishwasher safe)
- High Strength Lexan Resin
- UL Standards Tested



Insulated wires connect to Line (usually black) and load (light).

1. Connect green dimmer ground wire to bare copper ground in outlet box.
2. Fasten black dimmer wire to black/line wire.
3. Fasten Red dimmer wire to remaining wire (load).



IPI06-CLZ

DIMMERS

Description	Color	Cat. No
Rating		**600W-120VAC**
IllumaTech™ Decora® Preset Slide Dimmer, Single Pole or 3-way	Packaged with 3 colors: White, Ivory, Light Almond	IPI06-CLZ
ToggleTouch™ Dimmer, Single Pole	White	TGI06-CLW
	Ivory	TGI06-CLI
	Light Almond	TGI06-CLT
Electronic Smart Preset Dimmer, Single Pole	White	6250-C0W
	Ivory	6250-C0I
	Light Almond	6250-C0T
Trimatron™ Rotary Dimmer, Single Pole or 3-way	Packaged with 3 colors: White, Ivory, Light Almond	6683-C0Z
Rotary Dimmer, Single Pole or 3-way	White	6060-C0W
	Ivory	6060-C0I
	Light Almond	6060-C0T
	Black	6060-C0E

FAN SPEED CONTROL

Description	Color	Cat. No
Rating		**1.5A-120VAC**
Quiet Fan Speed Control with LED, Single Pole or 3-Way	Packaged with 3 colors: White, Ivory, Light Almond	IPF01-CLZ

PIR OCCUPANCY SENSOR U S

Description	Color	Cat. No
Rating		**1800W @ 120VAC, 60Hz**
Occupancy Sensor, Single Pole and 3-Way, 180˚ field of view, 900 sq. ft. California Title 24 Compliant. Time Adjustment 30s – 30m	White Ivory Light Almond	IPP15-C0W IPP15-C0I IPP15-C0T



IPP15-CLW

Dimmers

TESTING AND CODE COMPLIANCE
ETL Listed: Tested to UL and CSA Standards; meets NEMA and ANSI requirements

MATERIAL CHARACTERISTICS*
- **Environmental:** Flammability UL94, V2 Rating
- **Operating Temperature:** Indoor Use Only

ELECTRICAL
Voltage: 120 Volt AC - 60 Hz
Load Type: Incandescent and fluorescent (for IPP15)
Load Rating: Toggle and Rotary: 600W,
Slide: 700W
Filtering: Radio Frequency Interference Filtering
De-Rating: Finned Aluminum Tabbed - 600W/500W/400W
Push-ON/Push-OFF: Pre-Set Toggle Electronic, Slide and Rotary
LED: TGI06, IPP15 and IPI06 have an LED indicator light
Adjustable Time Delay: 30 seconds to 30 minutes (IPP15)
Neutral connection is required for IPP15
Construction: Printed Solid-State Circuit Board

MECHANICAL
- **Size:** Toggle and Slide fits single and multi-gang NEMA wall boxes
- **Wiring:** 6" color-coded Leads Pre-Stripped - 18 gauge
- **Heat Sink:** Wide Mount Aluminum Fins
- **Back Body:** Toggle and Slide: Unbreakable ABS

Fan Speed Controls and Occupancy Sensors

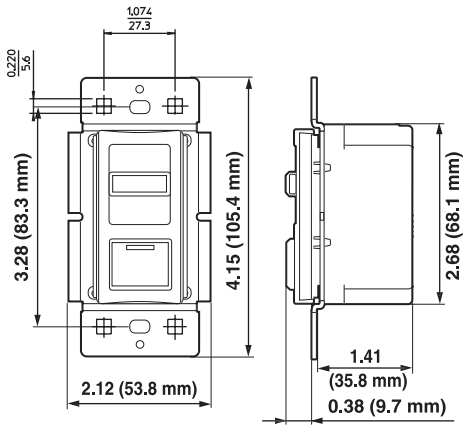
TESTING AND CODE COMPLIANCE
ETL Listed: Tested to UL and CSA Standards; meets NEMA and ANSI requirements

MATERIAL CHARACTERISTICS*
- **Environmental:** Flammability UL94, V2 Rating
- **Operating Temperature:** Indoor Use Only

ELECTRICAL
Filtering: Radio Frequency Interference
Pre-Set: Electronic
Construction: Printed Solid-State Circuit Board

Decora® is a registered trademark and IllumaTech™, Trimatron™ and ToggleTouch™ are trademarks of Leviton Manufacturing Corp.

DIMENSIONS



IllumaTech™ Preset Slide Dimmer

Residential and Commercial Grade

Cheetah Screwless Wallplates

Combine the stylish look of screwless wallplates with the fast speed of a Cheetah installation and you've got a product consumers and electricians will love. The wallplates snap into four holes in each Cheetah device. Made of high strength thermoplastic, they give a clean, finishing touch to any installation.

Specifications and Features

- Sleek and easy to clean
- Quick, easy snap-on design
- Flush to wall finish
- No tool required
- In White, Ivory, Light Almond, Black
- Midway matte finish in high-strength thermoplastic
- Satin finished thermoplastic doesn't show fingerprints



The patented Cheetah screwless wallplates have been designed to provide exceptional tight fit to Cheetah-enabled devices using eight (8) specially designed tabs.
Each tab (top and bottom) provides resistance.
As many as 6 tabs may break off and the wallplate still ensures a snug fit to the wall.

2 tabs per Cheetah wallplate opening.

Advanced Engineering Design

Cheetah wallplates are made from high strength thermoplastic for unbreakable quality and stylish matte finish.

Each wallplate is specified to NEMA standards for Third Party compatability.

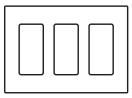
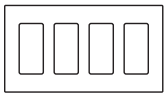


TESTING AND CODE COMPLIANCE
- **ETL Listed:** tested to UL and CSA Standards; meets NEMA and ANSI requirements

MATERIAL CHARACTERISTICS
- **Environmental:** Flammability UL-94, V2 Rating

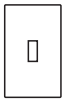
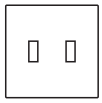
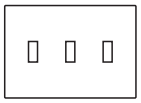
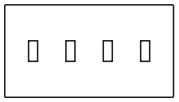
MECHANICAL
- **Material:** Thermoplastic
- **Finish:** Matte Finish
- **Resilience:** Unbreakable

DECORA®

	Description	Color	Cat. No.
	1-Gang Decora Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	SJ26C-C0W SJ26C-C0I SJ26C-C0T SJ26C-C0E
	2-Gang Decora Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	S262C-C0W S262C-C0I S262C-C0T S262C-C0E
	3-Gang Decora Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	S263C-C0W S263C-C0I S263C-C0T S263C-C0E
	4-Gang Decora Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	S264C-C0W S264C-C0I S264C-C0T S264C-C0E

TOGGLE

Standard UL 514D, Standard CSA-C22.2 No. 111

	Description	Color	Cat. No.
	1-Gang Toggle Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ1C-C0W PJ1C-C0I PJ1C-C0T PJ1C-C0E
	2-Gang Toggle Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ2C-C0W PJ2C-C0I PJ2C-C0T PJ2C-C0E
	3-Gang Toggle Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ3C-C0W PJ3C-C0I PJ3C-C0T PJ3C-C0E
	4-Gang Toggle Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ4C-C0W PJ4C-C0I PJ4C-C0T PJ4C-C0E

DUPLEX AND BLANK

	Description	Color	Cat. No.
	1-Gang Duplex Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ8C-C0W PJ8C-C0I PJ8C-C0T PJ8C-C0E
	2-Gang Duplex Wallplate Unbreakable plastic Screwless design	White Ivory Light Almond Black	PJ82C-C0W PJ82C-C0I PJ82C-C0T PJ82C-C0E

Residential and Commercial Grade

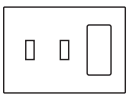
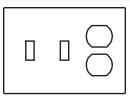
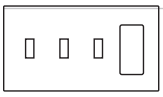
COMBO PLATES — 1- AND 2-GANG

	Description	Color	Cat. No.
	1-Gang Blank Wallplate	White	PJ13C-C0W
	Unbreakable plastic	Ivory	PJ13C-C0I
	Screwless design	Light Almond	PJ13C-C0T
	Use with blank plate adapter	Black	PJ13C-C0E
	2-Gang Blank Wallplate	White	PJ23C-C0W
	Unbreakable plastic	Ivory	PJ23C-C0I
	Screwless design	Light Almond	PJ23C-C0T
	Use with blank plate adapter	Black	PJ23C-C0E

COMBO PLATES — 2-GANG

	Description	Color	Cat. No.
	2-Gang Toggle/Decora Wallplate	White	P126C-C0W
	Unbreakable plastic	Ivory	P126C-C0I
	Screwless design	Light Almond	P126C-C0T
		Black	P126C-C0E
	2-Gang Toggle/Duplex Wallplate	White	PJ18C-C0W
	Unbreakable plastic	Ivory	PJ18C-C0I
	Screwless design	Light Almond	PJ18C-C0T
		Black	PJ18C-C0E
	2-Gang Duplex/Decora Wallplate	White	P826C-C0W
	Unbreakable plastic	Ivory	P826C-C0I
	Screwless design	Light Almond	P826C-C0T
		Black	P826C-C0E

COMBO PLATES — 3 - AND 4-GANG

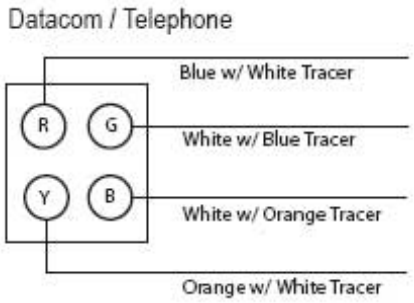
	Description	Color	Cat. No.
	3-Gang, 2 Toggle/Decora Wallplate	White	P226C-C0W
	Unbreakable plastic	Ivory	P226C-C0I
	Screwless design	Light Almond	P226C-C0T
		Black	P226C-C0E
	3-Gang, 2 Toggle/Duplex Wallplate	White	PJ21C-C0W
	Unbreakable plastic	Ivory	PJ21C-C0I
	Screwless design	Light Almond	PJ21C-C0T
		Black	PJ21C-C0E
	4-Gang, 3 Toggle/Decora Wallplate	White	2262C-C0W
	Unbreakable plastic	Ivory	2262C-C0I
	Screwless design	Light Almond	2262C-C0T
		Black	2262C-C0E

TESTING AND CODE COMPLIANCE
- **ETL Listed:** Tested to UL and CSA Standards; meets NEMA and ANSI requirements

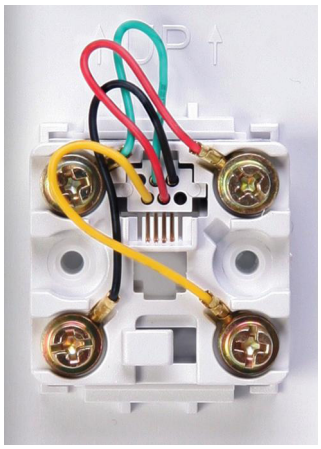
MATERIAL CHARACTERISTICS
- **Environmental:** Flammability UL-94, V2 Rating

MECHANICAL
- **Material:** Thermoplastic
- **Finish:** Matte Finish
- **Resilience:** Unbreakable





High Quality Screw Connectors
Easy Wire Openings
High Strength Wire Fittings



TESTING AND CODE COMPLIANCE
- Meets NEMA WD-6, ANSI C-73

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: Max continuous +60˚C; Min -40˚C

MECHANICAL
Terminal Identification: T568A and T568B wiring patterns
Wiring: Fully compliant with published TIA-568-C0A requirements

ELECTRICAL
- **Current Interrupting:** Meets FCC Part 68 - UL 1863
- **Temperature Rise:** Max 30 Deg C. at full-rated current after 50 cycles

DESIGNER TELEPHONE AND COAX DEVICES

Description	Color	Cat. No.
Designer Telephone Jack	White	CH149-00W
	Ivory	CH149-00I
	Light Almond	CH149-00T
	Black	CH149-00E
Designer Coax Cable Jack	White	CH181-00W
	Ivory	CH181-00I
	Light Almond	CH181-00T
	Black	CH181-00E
Designer Telephone / Coax Jack	White	CH159-00W
	Ivory	CH159-00I
	Light Almond	CH159-00T
	Black	CH159-00E


CH149-00W


CH181-00W


CH159-00W

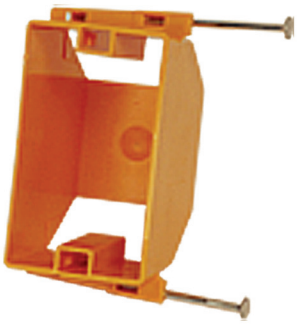

Cat. No. SJ26C



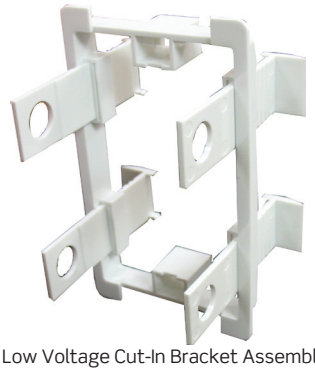


Requires a Designer Wallplate (Cat. No. SJ26C)

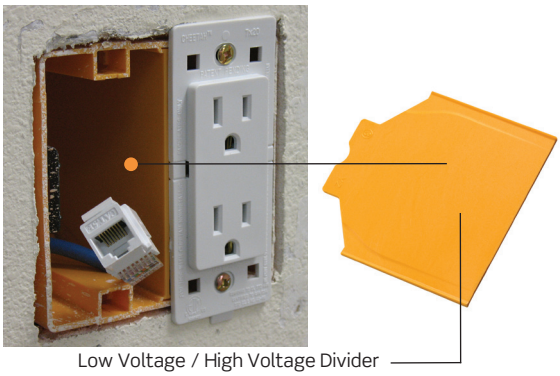
DATACOM BOX INSTALLATIONS



Datacom Nail-on Box
Cat. No. 3005C-CØØ
(Includes two nails and two self-tapping screws)



Low Voltage Cut-In Bracket Assembled
Cat. No. 4007C-CØØ



Low Voltage / High Voltage Divider
Cat. No. 4003C (Standard Box)
Cat. No. 4004C (Big A Box)



5020C-C0W

KEYSTONE MOUNT DEVICES U S

Description	Color	Cat. No.
3 Port Datacom Keystone Mount	White	5020C-C0W
	Ivory	5020C-C0I
	Light Almond	5020C-CAL
	Black	5020C-C0B



Cat 5e

KEYSTONE JACKS - SNAP-IN CONNECTORS U

Description	Color	Cat. No.
Cat 3 - RJ11 Telephone	White	41108-RW3
	Light Almond	41108-RT3
	Ivory	41108-RI3
Cat 5e Snap-In Jack	White	5G108-RW5
4-Pair - 8 wire conductor Category 5e	Light Almond	5G108-RT5
T568A and T568B wiring patterns	Ivory	5G108-RI5
F-Connector/Coax	White	41084-FWF
Nickel Plated, Feedthrough	Light Almond	41084-FTF
	Ivory	41084-FIF



41084

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: Max continuous +60˚C; Min -40˚C

MECHANICAL
Terminal Identification: T568A and T568B wiring patterns

Cheetah Electrical Boxes

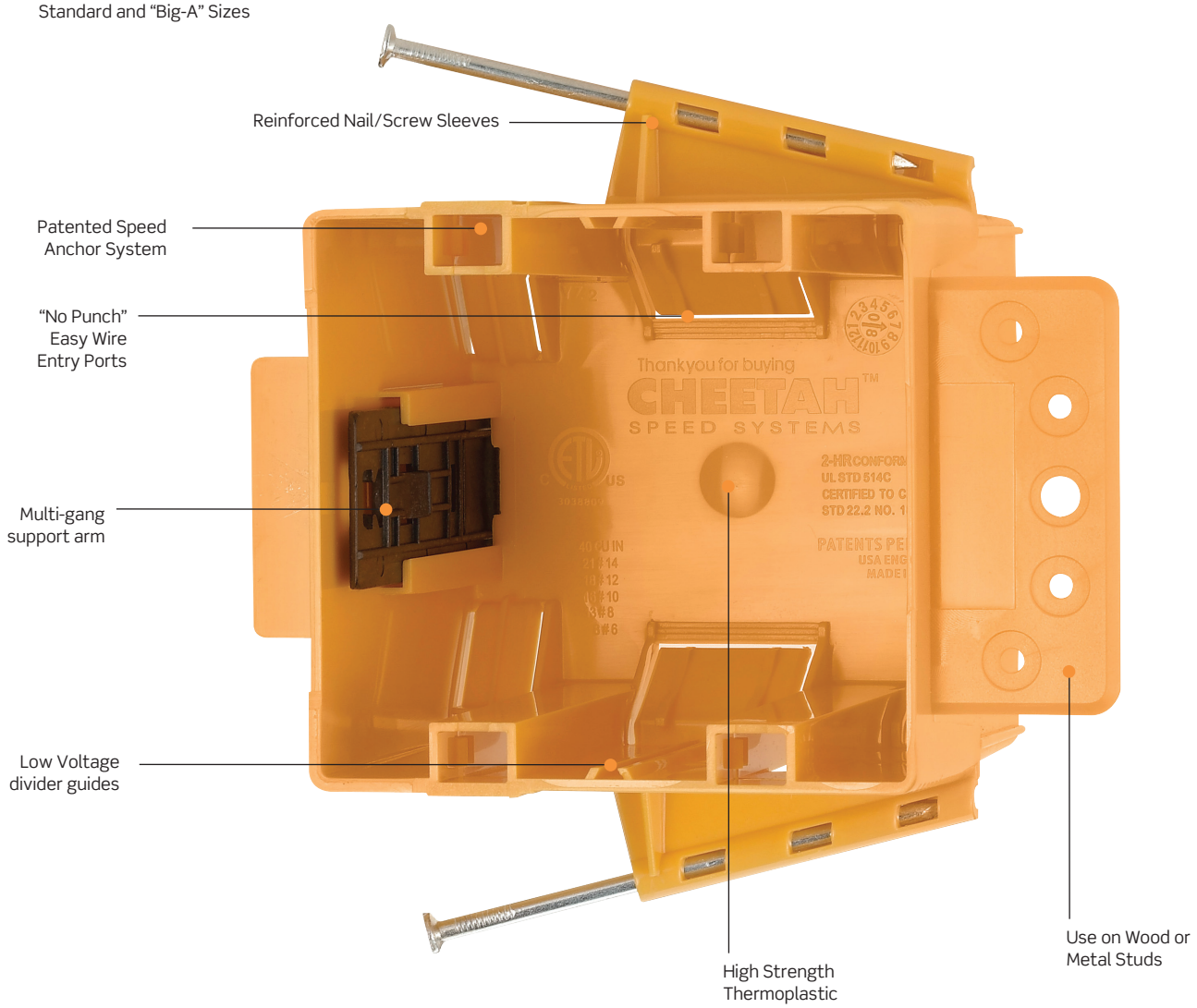
Cheetah Speed Boxes (1 - 4 gang boxes) are made from high strength thermoplastic composites with specially designed speed anchor slots. Each slot has teeth molded to receive Cheetah Speed Anchors. As the speed anchor is pushed into the speed anchor slot, the teeth on the box and speed anchor engage in a zip-tie fashion to securely hold the anchor.

Specifications and Features

- Fast installation stud guides
- Multi-gang support arm included
- Easy entry, locking wire ports
- No punch-out required to wire boxes
- Standard and Oversized boxes
- Speed Anchor Slots
- Multi-gang reinforced nail sleeves

Cheetah Speed Boxes

Standard and "Big-A" Sizes



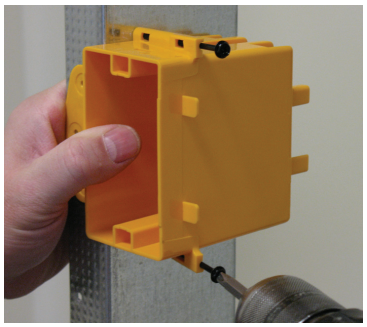
2-HR Fire Rated — ASTM E-814 (UL 1479) & ASTM E119-3

WOOD STUD BOX INSTALLATIONS S

	Description	Cat. No.	Wire Capacity	Dimensions
	1-Gang Box 18 cu Inches	3001C	#14 - 9, #12 - 8, #10 - 7	2.25" W x 3.75" H x 2.75" D
	1-Gang Big-A Box 22.2 cu inches	3004C	#14 - 11, #12 - 10, #10 - 9	2.25" W x 3.75" H x 3.5" D
	1-Gang Datacom Box 18 cu inches	3005C-C00	Low Voltage Wire	2.25" W x 3.75" H x 3.5" D
	1-Gang Adjustable Big-A 22 cu inches	3023C	#14 - 11, #12 - 10, #10 - 9	2.25" W x 3.75" H x 3.5" D
	2-Gang Box 34 cu inches	3006C	#14 - 17, #12 - 15, #10 - 13, #6 - 6	4.0" W x 3.75" H x 2.95" D
	2-Gang Big-A box Dryer/Range Port 40 cu inches	3007C	#14 - 20, #12 - 18, #10 - 16, #6 - 6	4.0" W x 3.75" H x 3.5" D
	3-Gang Box 44 cu inches	3008C	#14 - 22, #12 - 19, #10 - 17, #6 - 8	5.75" W x 3.75" H x 2.75" D
	3-Gang Big-A box 58 cu inches	3009C	#14 - 30, #12 - 28, #10 - 24, #6 - 12	5.75" W x 3.75" H x 3.5" D
	4-Gang Box 60 cu inches	3010C	#14 - 30, #12 - 28, #10 - 24, #6 - 14	7.65" W x 3.75" H x 2.75" D
	4-Gang Big-A box 76 cu inches	3011C	#14 - 40, #12 - 36, #10 - 32, #6 - 16	7.65" W x 3.75" H x 3.5" D

METAL STUD INSTALLATIONS S

	Description	Cat. No.	Wire Capacity	Dimensions
	1-Gang Metal Stud Box 18 cu inches	3002C	#14 - 9, #12 - 8, #10 - 7	2.25" W x 3.75" H x 4.15" D
	1-Gang Big A Metal Stud Box w/Self-drilling Metal Screws 22 cu. inches	3029C	#14 - 11, #12 - 10, #10 - 9	2.25" W X 3.75" H X 3.5" D
	1-Gang Box Extender	3021C		2.5" W x 4.25" H x 1.25" D
	2-Gang Big-A box w/ Self Drilling Metal Screws 40 cu inches	3026C	#14 - 20, #12 - 18, #10 - 16, #6 - 6	4.0" W x 3.75" H x 3.5" D
	3-Gang Big-A box w/ Self Drilling Metal Screws 58 cu inches	3027C	#14 - 30, #12 - 28, #10 - 24, #6 - 12	5.75" W x 3.75" H x 3.5" D
	4-Gang Big-A box w/ Self Drilling Metal Screws 76 cu inches	3028C	#14 - 40, #12 - 36, #10 - 32, #6 - 16	7.65" W x 3.75" H x 3.5" D
	1-Gang Big-A Adjustable w/ Metal Screws 22 cu inches	3025C	#14 - 11, #12 - 10, #10 - 9	2.25" W x 3.75" H x 3.5" D
	1-Gang ½" Mud Ring Fits 4"x4" Square box	3015C		
	1-Gang 5/8" Mud Ring Fits 4"x4" Square box	3016C		
	2-Gang ½" Mud Ring Fits 4"x4" Square box	3017C		
	2-Gang 5/8" Mud Ring Fits 4"x4" Square box	3018C		



Cheetah Metal Stud boxes come with metal self-drilling screws for side wall installations and greater stability.



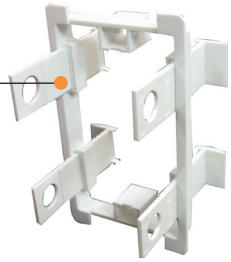
Cheetah Mud Rings convert 4" square boxes into Cheetah speed Boxes.

Residential and Commercial Grade

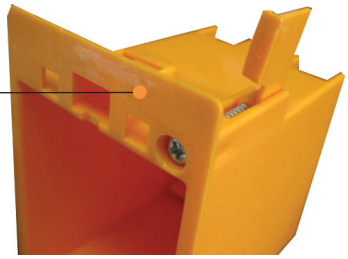
CUT-IN BOX INSTALLATIONS

	Description	Cat. No.	Wire Capacity	Dimensions
	1-Gang Shallow Cut-In Box 14 cu inch	3000C	#14 - 6 , #12 - 5, #10 - 4	2.5" W x 4.2" H x 2.5" D
	1-Gang Cut-In Box 18 cu inches	3003C	#14 - 9, #12 - 8, #10 - 7	2.5" W x 4.2" H x 3.35" D
	2-Gang Cut-In Box 34 cu inches	3022C	#14 - 17, #12 - 15, #10 - 13, #6 - 6	4.2" W x 4.2" H x 3.35" D
	Low Voltage / Datacom Cut-In Bracket	4007C-C0W		

Low Voltage Cut-In Bracket is designed to "zip-tie" to sheet rock and then brake tabs off flush with wall.



Cheetah Cut-In Boxes are 2-Hour Fire Rated. Screws self-tighten pop-up flange to back of sheet rock.



CEILING INSTALLATIONS

	Description	Cat. No.
	3" Ceiling Box	3012C
	Ceiling Speed Anchor - 52 MM 100 lbs pull test rated	4001C
	Lampholder — Keyless	4008C
	Lampholder — Pull Chain	4009C

DATACOM SOLUTIONS

UL Standard 514C Nail-on Box, Mixed Voltage Dividers (multi-gang installations), Low Voltage Cut-In Bracket

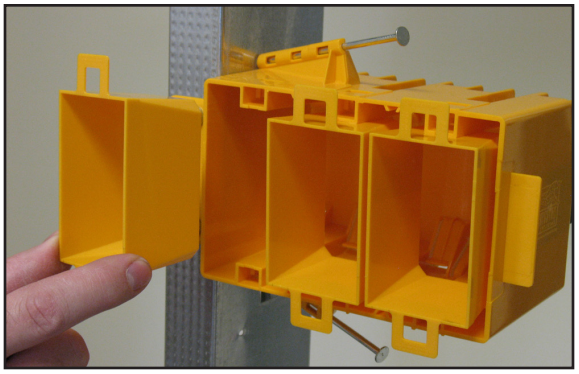
	Description	Cat. No.	Wire Capacity	Dimensions
	1 - Gang Datacom Box 18 cu inches	3005C	Low Voltage wire	2.25" W X 3.75" H X 3.5" D
	Mixed Voltage Divider - Standard Box Fits 2, 3 and 4 Standard gang boxes	4003C		
	Low Voltage / Datacom Cut-In Bracket Fits directly to wall without stud	4007C		

CHEETAH ACCESSORIES

Spark Rings, Speed Anchor Inserts, Blank Wallplate Adapter, Universal Adapter Ring

	Description	Cat. No.
	1 Gang Spark Ring Protective sleeve	3019C
	Speed Anchor - 30 MM 50 lb pull test rated	4000C
	Blank Wallplate Adapter Speed Anchor Attached/ Included	4005C
	Universal Adaptor Adapts most standard devices to receive Cheetah screwless wallplates	4006C
	Device Shims (Spacers) Shims to hold device flush to walls when drywall is cut too wide.	4010C

1 Gang Universal Spark Ring (Cat. No. 3019C) supports multi-gang installations.
Spark Rings are used for extending a protective sleeve for devices where backsplash or wall to box exceeds 1/4".
See local NEC requirements for further clarification of use.



WEATHERPROOF COVERS - "CHEETAH ENABLED" SOLUTIONS

UL Standard 514C Covers w/ UL 498 Standard Duplex or GFCI Receptacles (per assembled)

Description	Receptacle	Cat. No.
Clear Bubble Cover w/ 15 Amp Duplex TR/WR	15A Duplex	86592-CCL
Clear Bubble Cover w/ 15 Amp GFCI TR/WR	15A GFCI	86594-CGY
Low Profile Cover w/ 15 Amp Duplex TR/WR	15A Duplex	86595-CGY
Low Profile Cover w/ 15 Amp GFCI TR/WR	15A GFCI	86596-CGY

WEATHERPROOF COVERS

UL Standard 514C Covers w/ UL 498 Standard Duplex or GFCI Receptacles (per assembled)

Description	Receptacle	Cat. No.
Horizontal Weatherproof Cover w/ 15 Amp Duplex TR/WR-GRAY	15A	86597-CGY
Vertical Weatherproof Cover w/ 15 Amp Duplex TR/WR-GRAY	15A	86598-CGY
Vertical Weatherproof Cover w/ 15 Amp GFCI TR/WR-GRAY	15A	86599-CGY

All devices will be Tamper and Weather Resistant and comply with the 2008 NEC Tamper and Weather Resistent Requirements.



86594 - CGY



86596-CGY



86597-CGY



86598-CGY



Wallplates and Weather-Resistant Covers

INDEX

Residential and Commercial Grade

Decora Plus™ Screwless Snap-On 709
Decora® 711
Traditional 715
Combination Wallplates 730
Sectional for Multi-Gang Installations 737
Hot Stamped and Engraved 738
Adapters & Accessories 739
Connectivity Device Plates 742

Industrial and Commercial Grade

Weather-Resistant Covers 743

Custom Order Form 750

Wallplates and Weather-Resistant Covers

Leviton Decora Plus™ and Decora® Designer Wallplates — available in a wide spectrum of colors and styles — can add subtle elegance to any home. You can go modern with Decora Plus screwless, snap-on wallplates, which install fast and flawlessly. Sleek, versatile and convenient, they now come in a midway size that gives even greater coverage, and can hide unsightly wall surface irregularities. All Leviton Decorative Wallplates can stand up to heavy use while coordinating perfectly with paint or wallcoverings. Think of them as the finishing touch to giving a home its signature look.



DECORA COLORS

Decora devices are offered in a wide range of colors and finishes. To order colors, add suffix to Cat No.

White (-W)
Ivory (-I)
Almond (-A)
Light Almond (-T)
Grey (-GY)
Black (-E)
Brown
Blue (-B)
Orange (-O)
Red (-R)
Brushed Brass
Polished Brass (-PB)
Satin-Finish Stainless Steel
Aluminum

Features and Benefits

All Decora Wallplates

- Accent any wall covering with a wide selection of colors and finishes
- Smooth face and rounded edges resist dust accumulation
- Color-matched metal mounting screws supplied

Thermoset Wallplates

- Designed for high dielectric strength and arc resistance
- Meets or exceeds UL 514 testing requirements
- Resistant to fading, discoloration, grease, oils, organic solvents and moisture scratches
- Limited Two-Year Warranty

Thermoplastic Wallplates
- Molded thermoplastic for maximum resistance to impact, abrasion, fading and discoloration
- Resistant to mechanical stress associated with high abuse applications
- Limited Ten-Year Warranty

Metal Wallplates (Commercial Grade)
- Rounded edges to prevent injury and wall damage
- Deluxe stainless steel is non-magnetic Type 302, .032" thick
- Standard stainless steel Type 430, .032" thick, also available
- Brass is 70/30 alloy 260, .040" thick
- Aluminum is 3004 alloy, .040" thick
- Limited Ten-Year Warranty

Decora Plus™

Specifications and Features
- Sleek, smooth contemporary styling with no mounting screws and no subplate screws for ease of installation and cleaning
- Decora compatible — two-piece kit allows easy use with any Decora installation
- Constructed of durable polycarbonate to with stand abuse
- Screwless subplate offers ease of installation — exclusive "Hook n' Snap" feature provides an easy, convenient and truly screwless wallplate installation

DECORA PLUS SCREWLESS SNAP-ON (WITH SCREWLESS SUBPLATE)

	Description	Color	Cat. No. Standard Size
	1-Gang	White	80301-SW
		Ivory	80301-SI
		Almond	80301-SA
		Lt. Almond	80301-ST
		Grey	80301-SGY
		Black	80301-SE
		Brown	80301-S
	2-Gang	White	80309-SW
		Ivory	80309-SI
		Almond	80309-SA
		Lt. Almond	80309-ST
		Grey	80309-SGY
		Black	80309-SE
		Brown	80309-S
	3-Gang	White	80311-SW
		Ivory	80311-SI
		Almond	80311-SA
		Lt. Almond	80311-ST
		Black	80311-SE
		Brown	80311-S

Residential and Commercial Grade

	Description	Color	Cat. No. Standard Size
	4-Gang	White	80312-SW
		Ivory	80312-SI
		Almond	80312-SA
		Lt. Almond	80312-ST
		Black	80312-SE
		Brown	80312-S
	5-Gang	White	80321-SW
		Ivory	80321-SI
		Almond	80321-SA
		Lt. Almond	80321-ST
	6-Gang	White	80326-SW
		Ivory	80326-SI
		Almond	80326-SA
		Lt. Almond	80326-ST

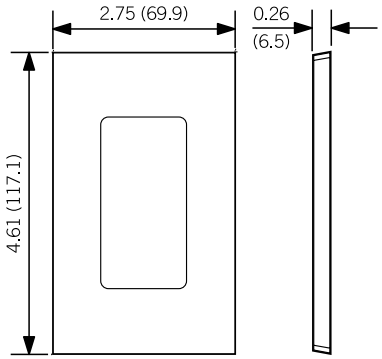
TESTING AND CODE COMPLIANCE
- UL Listed (File #E-13397)
- Meets NEMA Standards WD-1, WD-6
- CSA Certified (File #LR-16347)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

DIMENSIONS

Standard Size

80301-S

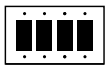


NOTE: Add 1.81" (46.0mm) for each additional gang

Decora® Standard

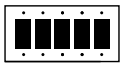
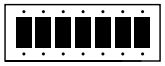
Specifications and Features
- Accent any wall covering with a wide selection of colors and finishes
- Smooth face and rounded edges resist dust accumulation
- Color-matched mounting screws supplied
- Mounting screws on one-gang Thermoplastic (Nylon) are preinstalled and captive

DECORA STANDARD SIZE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P26**	**N26**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	80401-W	80401-NW	Aluminum	**A26**	83401
		Ivory	80401-I	80401-NI	Brass	**B26**	81401
		Almond	80401-A	80401-NA	Polished Brass		81401-PB
		Lt. Almond	80401-T	80401-NT	Non-Magnetic S/S	**SN26-N**	84401-40
		Grey	80401-GY	80401-NGY			
		Black	80401-E	80401-NE			
		Brown	80401	80401-N			
		Red	—	80401-NR			
		Blue	—	80401-NB			
Industry Standard			**P262**	**N262**			
	2-Gang	White	80409-W	80409-NW	Aluminum	**A262**	83409
		Ivory	80409-I	80409-NI	Brass	**B262**	81409
		Almond	80409-A	80409-NA	Polished Brass		81409-PB
		Lt. Almond	80409-T	80409-NT	Non-Magnetic S/S	**S262-N**	84409-40
		Grey	80409-GY	80409-NGY			
		Black	80409-E	80409-NE			
		Brown	80409	80409-N			
		Red	—	80409-NR			
Industry Standard			**P263**	**N263**			
	3-Gang	White	80411-W	80411-NW	Aluminum	**A263**	83411
		Ivory	80411-I	80411-NI	Brass	**B263**	81411
		Almond	80411-A	80411-NA	Polished Brass		81411-PB
		Lt. Almond	80411-T	80411-NT	Non-Magnetic S/S	**S263-N**	84411-40
		Grey	80411-GY	80411-NGY			
		Black	80411-E	—			
		Brown	80411	80411-N			
Industry Standard			**P264**	**N264**			
	4-Gang	White	80412-W	80412-NW	Brass	**B264**	81412
		Ivory	80412-I	80412-NI	Non-Magnetic S/S	**S264-N**	84412-40
		Almond	80412-A	80412-NA			
		Lt. Almond	80412-T	80412-NT			
		Grey	80412-GY	—			
		Black	80412-E	—			
		Brown	80412	80412-N			

Residential and Commercial Grade

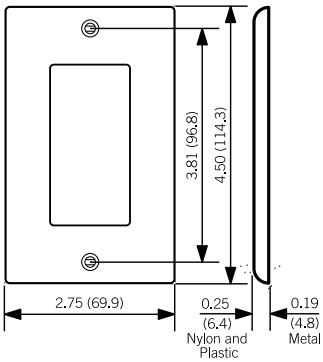
DECORA® STANDARD SIZE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P265**		**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	5-Gang	White	80423-W		Brass	**B265**	81423
		Ivory	80423-I		Non-Magnetic S/S	**S265-N**	84423-40
		Almond	80423-A				
		Lt. Almond	80423-T				
		Grey	80423-GY				
		Black	80423-E				
		Brown	80423				
Industry Standard			**P262**				
	6-Gang	White	80436-W		Non-Magnetic S/S	**S266-N**	84436-40
		Ivory	80436-I				
		Almond	80436-A				
		Lt. Almond	80436-T				
		Grey	80436-GY				
		Black	80436-E				
		Brown	80436				
Industry Standard			**P267**				
	7-Gang	White	80407-W±				
		Ivory	80407-I±				
Industry Standard			**P264**	**N264**			
	8-Gang	White	80408-W±				

± Painted Metal Wallplates

DIMENSIONS

Standard Size Single-Gang

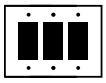
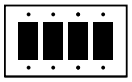


NOTE: Add 1.81" (46.0mm) for each additional gang

Decora® Midway

Specifications and Features
- Midway plates can be used to hide wall surface irregularities
- Full 0.375" taller and wider than standard wallplates
- Available in a wide selection of sizes and colors to complement any wall color or covering
- Smooth face and rounded edges resist dust accumulation
- Color-matched mounting screws supplied

DECORA® MIDWAY SIZE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal	
Industry Standard			**P26**	**N26**	**Industry Standard**	
			Cat. No.	**Cat. No..**		**Cat. No.**
	1-Gang	White	80601-W	PJ26-W	Non-Magnetic S/S	SSJ26
		Ivory	80601-I	PJ26-I		
		Almond	80601-A	PJ26-A		
		Lt. Almond	80601-T	PJ26-T		
		Grey	—	PJ26-GY		
		Black	—	PJ26-E		
		Brown	80601	PJ26		
		Red	—	PJ26-R		
		Blue	—	PJ26-BU		
Industry Standard			**SPJ262**	**PJ262**		
	2-Gang	White	80609-W	PJ262-W	Non-Magnetic S/S	SJ262
		Ivory	80609-I	PJ262-I		
		Almond	80609-A	PJ262-A		
		Lt. Almond	80609-T	PJ262-T		
		Grey	—	PJ262-GY		
		Black	—	PJ262-E		
		Brown	80609	PJ262		
Industry Standard			**SPJ263**	**PJ263**		
	3-Gang	White	80611-W	PJ263-W	Non-Magnetic S/S	SJ263
		Ivory	80611-I	PJ263-I		
		Almond	80611-A	PJ263-A		
		Lt. Almond	80611-T	PJ263-T		
		Grey	—	PJ263-GY		
		Brown	80611	—		
Industry Standard			**SPJ264**	**PJ264**		
	4-Gang	White	80612-W	PJ264-W		
		Ivory	80612-I	PJ264-I		
		Almond	80612-A	PJ264-A		
		Lt. Almond	80612-T	PJ264-T		
		Grey	—	PJ264-GY		
		Brown	80612	—		

Residential and Commercial Grade

Decora® Oversize

Specifications and Features

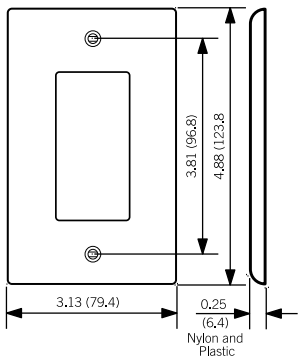
- Available in a wide selection of sizes and colors to complement any wall color or covering
- Smooth face and rounded edges resist dust accumulation
- Color-matched mounting screws supplied

DECORA OVERSIZE

	Description	Color	Thermoset	Metal		
Industry Standard			**PO26**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang	White Ivory Almond	88601-W 86601-I 82601-A	Non-Magnetic S/S	**SO26**	SO26
Industry Standard			**PO262**			
	2-Gang	White Ivory Almond	88602-W 86602-I 82602-A	Non-Magnetic S/S	**SO262**	SO262
	3-Gang			Non-Magnetic S/S	**SO263**	SO263

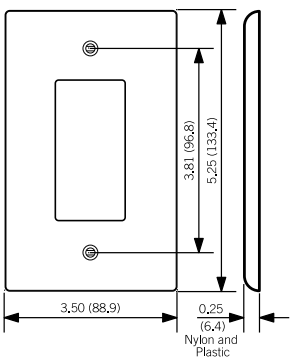
DIMENSIONS

Midway Size Single-Gang



Midway wallplates can be mounted onto larger-volume outlet boxes and/or used to hide wall irregularities. Midway wallplates are a full 0.375" higher and wider than standard size wallplates.

Oversized Single-Gang



Oversized wallplates are used to conceal greater wall irregularities than those hidden by Midway wallplates. Oversized wallplates are a full 0.75" higher and wider than standard size wallplates. NOTE: Add 1.81" (46.0mm) for each additional gang.

Traditional Wallplates

Familiar and functional, Leviton Traditional Wallplates are designed for use with Traditional Leviton devices. They represent styles and form factors that have stood the test of time. Their clean lines work in virtually any location, whether in new or retrofit construction, and they install quickly and easily. Leviton offers Traditional Wallplates in a vast array of colors and configurations.



Features and Benefits

All Leviton Wallplates

- Easy to clean, smooth finish
- Non-combustible
- Color-matched metal mounting screws supplied
- UL Listed and CSA Certified
- Conforms to NEMA and ANSI Standards

Thermoset (Plastic) Wallplates (Residential Grade)

- Designed for high dielectric strength and arc resistance
- Meets or exceeds UL514 testing requirements
- Resistant to fading, discoloration, grease, oil, organic solvents and moisture scratches
- Limited Two-Year Warranty

Thermoplastic (Nylon) Wallplates (Commercial Grade)

- Molded thermoplastic for maximum resistance to impact, abrasion, fading and discoloration
- Resistant to mechanical stress associated with high abuse applications
- Limited Ten-Year Warranty

Metal Wallplates (Commercial Grade)

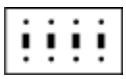
- Rounded edges to prevent injury and wall damage
- Deluxe stainless steel is non-magnetic Type 302, .032" thick.
- Standard stainless steel Type 430, .032" thick, also available
- Brass is 70/30 alloy 260, .040" thick
- Limited Ten-Year Warranty

Toggle Standard

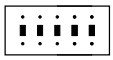
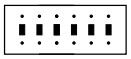
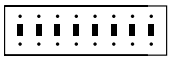
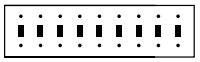
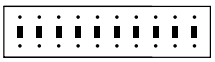
Specifications and Features

- Accent any wall covering with a wide selection of colors and finishes
- Color-matched mounting screws supplied
- Mounting screws on one-gang Thermoplastic (Nylon) are preinstalled and captive

TOGGLE STANDARD SIZE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P1**	**N1**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	88001	80701-W	Chrome	**C1**	1901
		Ivory	86001	80701-I	Aluminum	**A1**	83001
		Almond	82001	80701-A	Brass	**B1**	81001
		Lt. Almond	78001	80701-T	Polished Brass		81001-PB
		Grey	87001	80701-GY	Stainless Steel	**S1**	84001
		Black	—	80701-E	Non-Magnetic S/S	**S1-N**	84001-40
		Brown	85001	80701			
		Red	—	80701-R			
Industry Standard			**P2**	**N2**			
	2-Gang	White	88009	80709-W	Chrome	**C2**	1909
		Ivory	86009	80709-I	Aluminum	**A2**	83009
		Almond	82009	80709-A	Brass	**B2**	81009
		Lt. Almond	78009	80709-T	Polished Brass		81009-PB
		Grey	87009	80709-GY	Stainless Steel	**S2**	84009
		Black	—	80709-E	Non-Magnetic S/S	**S2-N**	84009-40
		Brown	85009	80709			
		Red	—	80709-R			
Industry Standard			**P3**	**N3**			
	3-Gang	White	88011	80711-W	Aluminum	**A3**	83011
		Ivory	86011	80711-I	Brass	**B3**	81011
		Almond	82011	80711-A	Polished Brass		81011-PB
		Lt. Almond	78011	80711-T	Stainless Steel	**S3**	84011
		Grey	87011	80711-GY	Non-Magnetic S/S	**S3-N**	84011-40
		Black	—	80711-E			
		Brown	85011	80711			
		Red	—	80711-R			
Industry Standard			**P4**	**N4**			
	4-Gang	White	88012	80712-W	Aluminum	**A4**	83012
		Ivory	86012	80712-I	Brass	**B4**	81012
		Almond	82012	80712-A	Polished Brass		81012-PB
		Lt. Almond	78012-T	80712-T	Stainless Steel	**S4**	84012
		Grey	87012-GY	—	Non-Magnetic S/S	**S4-N**	84012-40
		Black	—	80712-E			
		Brown	85012	—			

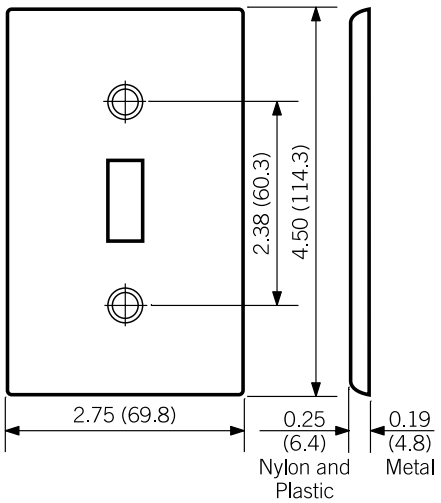
TOGGLE STANDARD SIZE

	Description	Color	Thermoset (Nylon)	Thermoplastic	Metal		
Industry Standard			**P5**	**N5**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	5-Gang	White	88023-W	80723-W	Brass	**B5**	81023
		Ivory	86023-I	80723-I	Polished Brass		81023-PB
		Almond	82023-A	—	Non-Magnetic S/S	**S5-N**	84023-40
		Lt. Almond	78023-T	—			
		Brown	85023	—			
Industry Standard			**P6**	**N6**			
	6-Gang	White	88036-W	80736-W	Brass	**B6**	81036
		Ivory	86036-I	80736-I	Non-Magnetic S/S	**S6-N**	84036-40
		Almond	82036-A	—			
		Lt. Almond	78036-T	—			
		Brown	85036	—			
Industry Standard			**S601**				
	7-Gang	White	S601-W±	—	Non-Magnetic S/S	**S601-N**	84070-40
		Ivory	S601-I±				
Industry Standard			**S602**				
	8-Gang	White	S602-W±	—	Non-Magnetic S/S	**S602-N**	84048-40
		Ivory	S602-I±	—			
Industry Standard			**S603**				
	9-Gang	White	S603-W±	—	Non-Magnetic S/S	**S603-N**	84049-40
		Ivory	S603-I±	—			
Industry Standard			**S604**				
	10-Gang	White	S604-W±	—	Non-Magnetic S/S	**S604-N**	84050-40
		Ivory	S604-I±	—			

± Painted Metal Wallplates

DIMENSIONS

Standard Size Single-Gang



NOTE: Add 1.81" (46.0mm) for each additional gang

LOCKABLE ENCLOSURES AND WALLPLATES

	Description	Mounting	Cat. No.
	Type 1 Steel Enclosure without Switch for 30A Motor Starters	Vertical	N13NC
	Lockout Wallplate (lock sold separately) Non-Magnetic S/S	Vertical	84001-LOK

Toggle Midway

Specifications and Features

- Midway plates can be used to hide wall surface irregularities
- Full 0.375" taller and wider than standard wallplates
- Available in a wide selection of sizes and colors to complement any wall color or covering
- Color-matched mounting screws supplied

TOGGLE MIDWAY SIZE

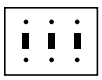
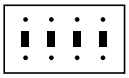
	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal	
Industry Standard			**SPJ1**	**PJ1**	**Industry Standard**	
			Cat. No.	**Cat. No.**		**Cat. No.**
	1-Gang	White	80501-W	PJ1-W	Non-Magnetic S/S	SSJ1-040
		Ivory	80501-I	PJ1-I		
		Almond	80501-A	PJ1-A		
		Lt. Almond	80501-T	PJ1-T		
		Grey	—	PJ1-GY		
		Black	—	PJ1-E		
		Brown	80501	PJ1		
		Red	—	PJ1-R		
Industry Standard			**SPJ2**	**PJ2**		
	2-Gang	White	80509-W	PJ2-W	Non-Magnetic S/S	SSJ2-040
		Ivory	80509-I	PJ2-I		
		Almond	80509-A	PJ2-A		
		Lt. Almond	80509-T	PJ2-T		
		Grey	—	PJ2-GY		
		Black	—	PJ2-E		
		Brown	80509	—		
Industry Standard			**SPJ3**	**PJ3**		
	3-Gang	White	80511-W	PJ3-W	Non-Magnetic S/S	SSJ3-040
		Ivory	80511-I	PJ3-I		
		Almond	80511-A	PJ3-A		
		Lt. Almond	80511-T	PJ3-T		
		Black	—	PJ3-E		
		Brown	80511	PJ3		
Industry Standard			**SPJ4**	**PJ4**		
	4-Gang	White	80512-W	PJ4-W		
		Ivory	80512-I	PJ4-I		
		Almond	80512-A	PJ4-A		
		Lt. Almond	80512-T	PJ4-T		
		Brown	80512	—		

Toggle Oversize

Specifications and Features

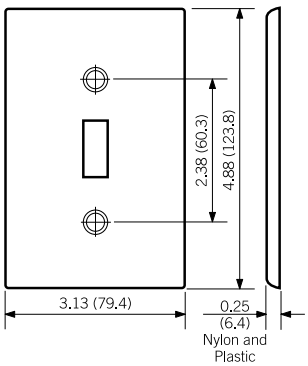
- Available in a wide selection of sizes and colors to complement any wall color or covering
- Smooth face and rounded edges resist dust accumulation
- Color-matched mounting screws supplied

TOGGLE OVERSIZE

	Description	Color	Thermoset	Metal		
Industry Standard			**PO1**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang	White	88101	Stainless Steel	**SO1**	84101
		Ivory	86101	Non-Magnetic S/S	**SO1-N**	84101-40
		Brown	85101			
Industry Standard			**PO2**			
	2-Gang	White	88109	Non-Magnetic S/S	**SO2-N**	84109-40
		Ivory	86109			
		Brown	85109			
Industry Standard			**PO3**			
	3-Gang	White	88111	Non-Magnetic S/S	**SO3-N**	84111-40
		Ivory	86111			
	4-Gang			Non-Magnetic S/S	**SO4-N**	84112-40

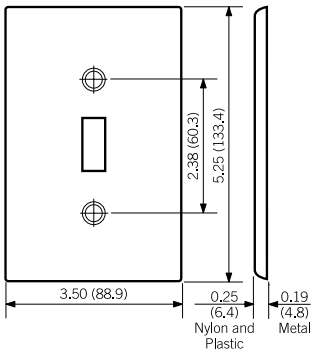
DIMENSIONS

Midway Size Single-Gang



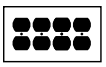
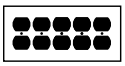
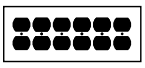
Midway wallplates can be mounted onto larger-volume outlet boxes and/or used to hide wall irregularities. Midway wallplates are a full 0.375" higher and wider than standard size wallplates.

Oversized Single-Gang



Oversized wallplates are used to conceal greater wall irregularities than those hidden by Midway wallplates. Oversized wallplates are a full 0.75" higher and wider than standard size wallplates. NOTE: Add 1.81" (46.0mm) for each additional gang.

DUPLEX RECEPTACLE STANDARD SIZE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P8**	**NB**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	88003	80703-W	Chrome	**C8**	1903
		Ivory	86003	80703-I	Aluminum	**A8**	83003
		Almond	82003	80703-A	Brass	**B8**	81003
		Lt. Almond	78003	80703-T	Polished Brass		81003-PB
		Grey	87003	80703-GY	Stainless Steel	**S8**	84003
		Black	—	80703-E	Non-Magnetic S/S	**S8-N**	84003-40
		Brown	85003	80703			
		Red	—	80703-R			
		Blue	—	80703-BU			
		Orange	—	80703-ORG			
Industry Standard			**P82**	**N82**			
	2-Gang	White	88016	80716-W	Aluminum	**A82**	83016
		Ivory	86016	80716-I	Brass	**B82**	81016
		Almond	82016	80716-A	Stainless Steel	**S82**	84016
		Lt. Almond	78016	80716-T	Non-Magnetic S/S	**S82-N**	84016-40
		Grey	87016	80716-GY			
		Black	—	80716-E			
		Brown	85016	80716			
		Red	—	80716-R			
		Blue	—	80716-BU			
		Orange	—	80716-ORG			
Industry Standard			**P83**	**N83**			
	3-Gang	White	88030	80730-W	Non-Magnetic S/S	**S83-N**	84030-40
		Ivory	86030	80730-I			
		Lt. Almond	78030	—			
		Grey	—	80730-GY			
		Brown	85030	—			
		Red	—	80730-R			
Industry Standard			**P84**				
	4-Gang	White	88041		Stainless Steel	**S84**	84041
		Ivory	86041				
		Brown	85041				
Industry Standard							
	5-Gang				Non-Magnetic S/S	**S85-N**	84055-40
Industry Standard							
	6-Gang				Non-Magnetic S/S	**S86-N**	84056-40

DUPLEX RECEPTACLE MIDWAY

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal	
Industry Standard			**SPJ8**	**PJ8**	**Industry Standard**	
			Cat. No.	**Cat. No.**		**Cat. No.**
	1-Gang	White	80503-W	PJ8-W	Non-Magnetic S/S	SSJ8-40
		Ivory	80503-I	PJ8-I		
		Almond	80503-A	PJ8-A		
		Lt. Almond	80503-T	PJ8-T		
		Grey	—	PJ8-GY		
		Black	—	PJ8-E		
		Brown	80503	PJ8		
		Red	—	PJ8-R		
		Blue	—	PJ8-BU		
Industry Standard			**SPJ82**	**PJ82**		
	2-Gang	White	80516-W	PJ82-W	Non-Magnetic S/S	SSJ82-40
		Ivory	80516-I	PJ82-I		
		Almond	80516-A	PJ82-A		
		Lt. Almond	80516-T	PJ82-T		
		Grey	—	PJ82-GY		
		Black	—	PJ82-E		
		Brown	80516	PJ82		
		Red	—	PJ82-R		
Industry Standard						
	3-Gang				Non-Magnetic S/S	SSJ83-40

DUPLEX RECEPTACLE OVERSIZE

	Description	Color	Thermoset	Metal		
Industry Standard			**P08**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang	White	88103	Stainless Steel	**SO8**	84103
		Ivory	86103	Non-Magnetic S/S	**SO8-N**	84103-40
		Brown	85103			
Industry Standard			**PO82**			
	2-Gang	White	88116	Stainless Steel	**SO82**	84116
		Ivory	86116	Non-Magnetic S/S	**SO82-N**	84116-40
		Brown	85116			
Industry Standard						
	3-Gang			Non-Magnetic S/S	**SO83-N**	84130-40

Residential and Commercial Grade

STANDARD SIZE SINGLE RECEPTACLE

15A and 20A Straight Blade and 15A Locking (1.406" Diameter Hole)

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P7**	**N7**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	88004	80704-W	Aluminum	**A7**	83004
		Ivory	86004	80704-I	Brass	**B7**	81004
		Almond	82004	80704-A	Non-Magnetic S/S	**S8-N**	84004-40
		Lt. Almond	78004	80704-T			
		Grey	—	80704-GY			
		Black	—	80704-E			
		Brown	85004	80704			
		Red	—	80704-R			
		Orange	—	80704-ORG			
Industry Standard			**P72**				
	2-Gang	White	88052		Non-Magnetic S/S	**S72-N**	84052-40
		Ivory	86052				
		Brown	85052				
	3-Gang				Non-Magnetic S/S	**S73-N**	S73-N

MIDWAY SIZE SINGLE RECEPTACLE

15A and 20A Straight Blade and 15A Locking (1.406" Diameter Hole)

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal	
Industry Standard			**SPJ7**	**PJ7**	**Industry Standard**	
			Cat. No.	**Cat. No.**		**Cat. No.**
	1-Gang	White	80504-W	PJ7-W	Non-Magnetic S/S	SSJ7-40
		Ivory	80504-I	PJ7-I		
		Almond	80504-A	PJ7-A		
		Lt. Almond	80504-T	PJ7-T		
		Brown	80504	—		
		Red	—	PJ7-R		

OVERSIZE SINGLE RECEPTACLE

15A and 20A Straight Blade and 15A Locking (1.406" diameter Hole)

	Description	Metal		
		Industry Standard		
				Cat. No.
	1-Gang	Non-Magnetic S/S	**SO7-N**	84104-40

STANDARD SIZE TELEPHONE OR CABLE OUTLET – BOX MOUNTED

	Description	Color	Thermoset	Metal		
Industry Standard				**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang Phone/Cable .312" dia. Hole			Aluminum	**A738**	83013
				Brass	**B738**	81013
				Polished Brass		81013-PB
				Stainless Steel	**S738**	84013
				Non-Magnetic S/S	**S7-N**	84013-40
Industry Standard			**P11**			
	1-Gang Phone/Cable .406" dia. Hole	White	88013	Non-Magnetic S/S	**S11-N**	84061-40
		Ivory	86013			
		Almond	82013			
		Lt. Almond	78013			
		Brown	85013			
Industry Standard			**P737**			
	1-Gang Phone/Cable .625" dia. Hole	White	88017	Brass B73	**B737**	81017
		Ivory	86017	Non-Magnetic S/S	**S737-N**	84017-40
Industry Standard			**P21**			
	2-Gang Phone/Cable .406" dia. Hole	White	88062-W	Non-Magnetic S/S	**S21-N**	84062-40
		Ivory	86062-I			

MIDWAY SIZE TELEPHONE OR CABLE OUTLET – BOX MOUNTED

	Description	Color	Thermoset	Thermoplastic	Metal	
				(Nylon)		
Industry Standard			**SPJ738**		**Industry Standard**	
			Cat. No.	**Cat. No**		**Cat. No.**
	1-Gang Phone/Cable .312" dia. Hole	White	80513-W		Non-Magnetic S/S	SSJ11-40
		Ivory	80513-I			
		Almond	80513-A			
		Lt. Almond	80513-T			
Industry Standard				**PJ11**		
	1-Gang Phone/Cable .406" dia. Hole	White		PJ11-W		
		Ivory		PJ11-I		
		Almond		PJ11-A		
		Lt. Almond		PJ11-T		
		Grey		PJ11-GY		
		Black		PJ11-E		
		Brown		PJ11		

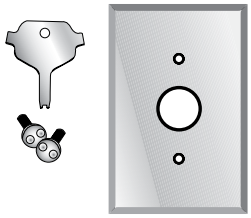
STANDARD SIZE TELEPHONE OR CABLE OUTLET – STRAP MOUNTED

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P12**		**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang Phone/Cable. 406" dia. Hole with knock out to enlarge hole to .625	White Ivory Brown	88018 86018 85018		Non-Magnetic S/S	**S12-N**	84018-40
Industry Standard					N12		
	1-Gang Phone/Cable .406" dia. Hole	White Ivory Grey Black Brown			80718-W 80718-I 80718-GY 80718-E 80718		
Industry Standard			**P730**				
	1-Gang Phone/Cable .625" dia. Hole	White	88037		Non-Magnetic S/S	**S730-N**	84037-40
Industry Standard			**P22**				
	2-Gang Phone/Cable .406" dia. Hole	Ivory	P22-I±				

± Painted Metal Wallplates

OVERSIZE TELEPHONE OR CABLE OUTLET – STRAP MOUNTED

	Description	Color	Thermoset	Metal		
Industry Standard			**PO12**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang Phone/Cable .406" dia. Hole	White Ivory	88113 86113			
	1-Gang Phone/Cable .625" dia. Hole			Non-Magnetic S/S	**SO730-N**	84137-N



84071-40

WALLPLATE FOR KEYLOCK SWITCHES (1221-2KL SERIES)

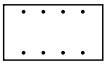
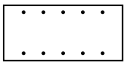
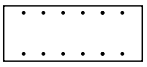
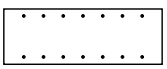
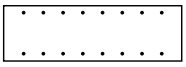
Type 302 Stainless Steel Wallplate w/Tamper-Resistant Screws and Spanner Tool

Description	Color	Cat. No.
1-Gang	S/S	84071-40
2-Gang	S/S	84072-40
3-Gang	S/S	84073-40

All devices are UL Listed and CSA Certified.

Blanks

STANDARD SIZE BLANK – BOX MOUNTED

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P13**		**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	88014	80714-W	Aluminum	**A13**	83014
		Ivory	86014	80714-I	Brass	**B13**	81014
		Almond	82014	80714-A	Stainless Steel	**S13**	84014
		Lt. Almond	78014	80714-T	Non-Magnetic S/S	**S13-N**	84014-40
		Grey	87014	80714-GY			
		Black	—	80714-E			
		Brown	85014	80714			
		Red	—	80714-R			
Industry Standard			**P23**	**P23**			
	2-Gang	White	88025	80725-W	Aluminum	**A23**	83025
		Ivory	86025	80725-I	Brass	**B23**	81025
		Almond	82025	80725-A	Polished Brass		81025-PB
		Lt. Almond	78025	80725-T	Stainless Steel	**S23**	84025
		Grey	87025	80725-GY	Non-Magnetic S/S	**S23-N**	84025-40
		Black	—	80725-E			
		Brown	85025	80725			
Industry Standard			**P33**	**N33**			
	3-Gang	White	88033	80735-W	Non-Magnetic S/S	**S33-N**	84033-40
		Ivory	86033	80735-I			
		Almond	—	80735-A			
		Grey	—	80735-GY			
		Black	—	80735-E			
		Brown	85033	—			
Industry Standard			**P43**				
	4-Gang	White	88064		Stainless Steel	**S43**	84064
		Ivory	86064		Non-Magnetic S/S	**S43-N**	84064-40
		Brown	85064				
	5-Gang				Non-Magnetic S/S	**S53-N**	84065-40
	6-Gang				Non-Magnetic S/S	**S63-N**	84066-40
	7-Gang				Non-Magnetic S/S	**S6013-N**	84067-40
	8-Gang				Non-Magnetic S/S	**S6023-N**	84068-40

Residential and Commercial Grade

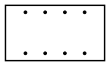
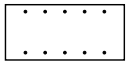
MIDWAY SIZE BLANK – BOX MOUNTED

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal	
Industry Standard			**SPJ13**	**PJ13**	**Industry Standard**	
			Cat. No.	**Cat. No.**		**Cat. No.**
	1-Gang	White	80514-W	PJ13-W	Non-Magnetic S/S	SSJ13-40
		Ivory	80514-I	PJ13-I		
		Almond	80514-A	PJ13-A		
		Lt. Almond	80514-T	PJ13-T		
		Grey	—	PJ13-GY		
		Black	—	PJ13-E		
		Brown	80514	PJ13		
		Red	—	PJ13-R		
Industry Standard			**SPJ23**	**PJ23**		
	2-Gang	White	80525-W	PJ23-W		
		Ivory	80525-I	PJ23-I		
		Almond	80525-A	PJ23-A		
		Lt. Almond	80525-T	PJ23-T		
		Grey	—	PJ23-GY		
		Black	—	PJ23-E		
		Brown	80525	—		
Industry Standard			**SPJ33**			
	3-Gang	White	80533-W	PJ33-W		
		Ivory	80533-I	PJ33-I		

OVERSIZE BLANK – BOX MOUNTED

	Description	Color	Thermoset	Metal		
Industry Standard				**Industry Standard**		
			Cat. No.			**Cat. No.**
	1-Gang	White	88114	Stainless Steel	**SO13**	84114
		Ivory	86114	Non-Magnetic S/S	**SO13-N**	84114-40
		Brown	85114			
	2-Gang			Non-Magnetic S/S	**SO23-N**	84125-40
	3-Gang			Non-Magnetic S/S	**SO33-N**	84133-40

STANDARD SIZE BLANK - STRAP MOUNTED

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P12**		**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	1-Gang	White	88019	80719-W	Stainless Steel	**S14**	84019
		Ivory	86019	80719-I	Non-Magnetic S/S	**S14-N**	84019-40
		Grey	—	80719-GY			
		Black	—	80719-E			
		Brown	85019	80719			
		Red	—	80719-R			
Industry Standard			**P24**				
	2-Gang	White	88034	80734-W	Non-Magnetic S/S	**S24-N**	84034-40
		Ivory	86034	80734-I			
		Black	—	80734-E			
		Red	—	80734-R			
Industry Standard			**P34**				
	3-Gang	White	88035		Non-Magnetic S/S	**S34-N**	84035-40
		Ivory	86035				
Industry Standard			**P44**				
	4-Gang	White	88057		Non-Magnetic S/S	**S44-N**	84057-40
		Ivory	86057				
	5-Gang				Non-Magnetic S/S	**S54-N**	S54-N

OVERSIZE SIZE BLANK - STRAP MOUNTED

	Description	Metal		
Industry Standard		**Industry Standard**		
				Cat. No.
	1-Gang	Non-Magnetic S/S	**SO14-N**	84119-40
	2-Gang	Non-Magnetic S/S	**SO24-N**	84134-40

Power Outlet Receptacles

STANDARD SIZE POWER OUTLET RECEPTACLE – 1-GANG

	Description	Color	Thermoplastic (Nylon)	Metal		
				Industry Standard		
Industry Standard			**N726**			
			Cat. No.			**Cat. No.**
	20A & 30A Locking Receptacle 1.60" dia. Hole	White Ivory Grey Black Brown Red	80720-W 80720-I 80720-GY 80720-E 80720 80720-R	Non-Magnetic S/S	**S720-N**	84020-40

	Description	Metal		
Industry Standard			Industry Standard	
				Cat. No.
	30A and 50A Receptacle 2.15" dia. Hole	Aluminum	**A724**	83028
		Brass Finish Steel	**B724**	4928
		Aluminum Finish Steel	**S724-GY**	4927
		Stainless Steel	**S724**	84028

Note: Use with 278, 279, 5206, 5207, 5371, 5372, 5374

MIDWAY SIZE POWER OUTLET RECEPTACLE – 1-GANG

	Description	Color	Thermoset	Thermoplastic (Nylon)
Industry Standard			**P724**	**N724**
Note: Use with 278, 279, 5206, 5207, 5371, 5372, 5374				
			Cat. No.	**Cat. No.**
	30A and 50A Receptacle 2.15" dia. Hole	White	80528-W	80728-W
		Ivory	80528-I	80728-I
		Grey	—	80728-GY
		Black	80528-E	80728-E
		Brown	—	80728

STANDARD SIZE POWER OUTLET RECEPTACLE – 2-GANG

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			PJ703	N703	Industry Standard		
			Cat. No.	Cat. No.			Cat. No.
	30A and 50A Receptacle 2.15" dia. Hole	White Ivory Black Brown	80526-W 80526-I 80526-BLK —	80726-0W 80726-I — 80726	Aluminum Aluminum Finish Steel Stainless Steel	**A703** **S703-GY** **S703**	83026 4934 84026
	30A and 50A Receptacle, 2.465" dia. Hole.	White Ivory Almond Lt. Almond Black	80530-W 80530-I 80530-A 80530-T 80530-BLK		Aluminum Finish Steel Non-Magnetic S/S	**S701-GY**	S701-GY S701-40
	30A and 50A Receptacle 2.15" dia. Hole Offset				Stainless Steel	**S705**	84022

Note: Use with 278, 279, 5206, 5207, 5371, 5372, 5374

STANDARD SIZE METAL 2-GANG WITH CENTERED OPENING

	Description	Metal		
Industry Standard		Industry Standard		
				Cat. No.
	1-Decora	Non-Magnetic S/S	**S746-N**	S746-N
	1-Toggle	Brass Non-Magnetic S/S	**S740-N**	81040 84040-40
	1-Duplex	Non-Magnetic S/S	**S748-N**	84039-40
	1-Outlet 1.406" dia. Hole	Non-Magnetic S/S	**S747-N**	84092-40

STANDARD SIZE LOUVRE

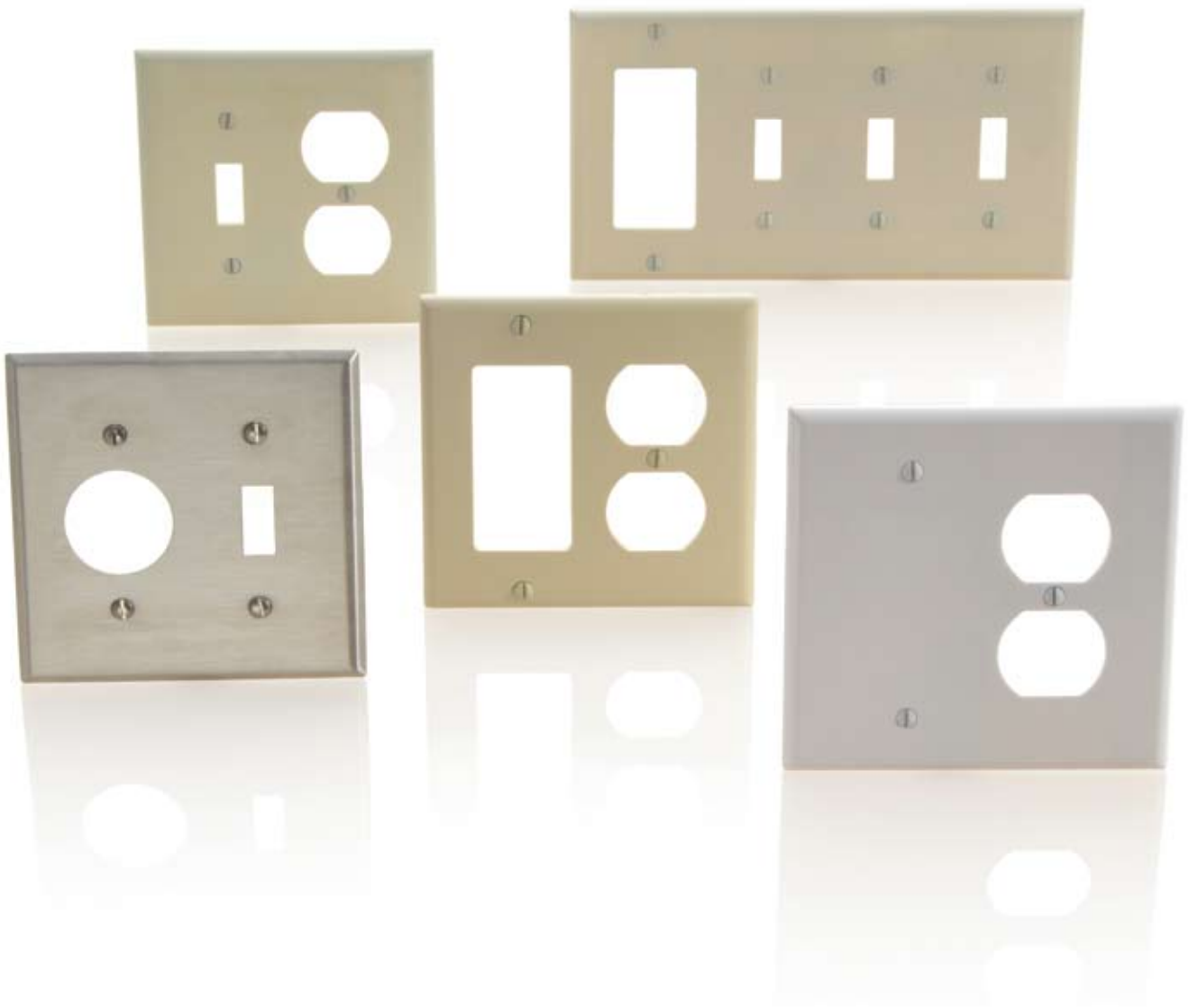
	Description	Color	Painted Steel	Metal		
Industry Standard			P760	Industry Standard		
			Cat. No.			Cat. No.
	1-Gang, Center Horizontal - Box Mount	White Ivory	88079 86079	Brass Non-Magnetic S/S	**B760** **S760-N**	81079 84079-40
Industry Standard			P771			
	1-Gang Horizontal - Strap Mount	White Ivory Almond	88080 86080 82080	Brass Non-Magnetic S/S	**B771** **S771-N**	81080 84080-40
	2-Gang, 2-Louvre, Horizontal- Strap Mount			Non-Magnetic S/S	**S772-N**	84081-40

LEVITON

Residential and Commercial Grade

Combination Wallplates

Need a wallplate that does more than one job? Turn to the Combination Wallplates line. Leviton Combination Wallplates come in a variety of configurations and gangs, and are available in a broad selection of materials including, aluminum, brass, stainless steel and plastic, and in an assortment of colors. If you have a unique application, Leviton can also customize a wallplate for a specific job.



Standard Size Combination

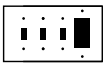
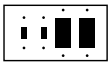
TOGGLE SWITCH AND SINGLE RECEPTACLE

	Description	Color	Thermoset	Metal		
Industry Standard			**P1**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	2-Gang 1-Toggle, 1-Single. 1.406" dia Hole	White Ivory	88007 86007	Stainless Steel Non-Magnetic S/S	**S17** **S17-N**	84007 84007-40
	3-Gang 2-Toggle, 1-Single 1.406" dia. Hole			Non-Magnetic S/S	**S27-N**	84088-40
	4-Gang 3-Toggle, 1-Single 1.406" dia. Hole			Non-Magnetic S/S	**S23-N**	84042-40

TOGGLE SWITCH AND DUPLEX RECEPTACLE

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**P18**	**N18**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	2-Gang 1-Toggle, 1-Duplex	White Ivory Almond Lt. Almond Grey Black Brown Red	88005 86005 82005 78005 87005 — 85005 —	80705-W 80705-I 80705-A 80705-T 80705-GY 80705-E 80705 80705-R	Aluminum Brass Stainless Steel Non-Magnetic S/S	**A18** **B18** **S18** **S18-N**	83005 81005 84005 84005-40
Industry Standard			**P28**	**N28**			
	3-Gang 2-Toggle, 1-Duplex	White Ivory Almond Lt. Almond Black Brown	88021 86021 82021 78021 — 85021	80721-W 80721-I — — 80721-E —	Brass Non-Magnetic S/S	**B28** **S28-N**	81021 84021-40
Industry Standard			**P38**	**N38**			
	4-Gang 3-Toggle, 1-Duplex	White Ivory Almond Lt. Almond Brown	P38-W P38-I P38-A P38-T P38	80743-W 80743-I — — —	Stainless Steel	**S38**	84043
Industry Standard			**P48**				
	5-Gang 4-Toggle, 1-Duplex	White Ivory	P48-W± P48-I±		Non-Magnetic S/S	**S48-N**	S48-N

TOGGLE SWITCH AND DECORA/GFCI

	Description	Color	Thermoset	Thermoplastic	Metal		
				(Nylon)			
Industry Standard			**P126**	**N126**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	2-Gang 1-Toggle, 1-Decora/GFCI	White Ivory Almond Lt. Almond Grey Black Brown Red	80405-W 80405-I 80405-A 80405-T 80405-GY 80405-E 80405	80707-W 80707-I 80707-A 80707-T 80707-GY 80707-E 80707 80707-R	Stainless Steel	**S126**	S126
Industry Standard			**P226**	**N226**			
	3-Gang 2-Toggle, 1-Decora/GFCI	White Ivory Almond Lt. Almond Black Brown	80421-W 80421-I 80421-A 80421-T 80421-E 80421	80745-W 80745-I — — 80745-E —	Non-Magnetic S/S	**S226-N**	84421-40
Industry Standard			**P1262**	**N1262**			
	3-Gang 2-Decora/GFCI, 1-Toggle	White Ivory Almond Lt. Almond Black Brown	80431-W 80431-I 80431-A 80431-T — 80431	80731-W 80731-I — — 80731-E —			
Industry Standard			**P326**	**N326**			
	4-Gang 3-Toggle, 1-Decora/GFCI	White Ivory Almond Lt. Almond Brown	P326-W P326-I P326-A P326-T P326	80732-W 80732-I — — —			
Industry Standard			**P2262**				
	4-Gang 2-Toggle, 2-Decora/GFCI	White Ivory	P2262-W± P2262-I±				
	5-Gang 4-Toggle, 1-Decora/GFCI				Non-Magnetic S/S	**S426-N**	S426-N

TOGGLE SWITCH AND BLANK

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**SPJ28**		**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	2-Gang 1-Toggle, 1-Blank - Box Mounted	White Ivory Brown	88006 86006 85006		Non-Magnetic S/S	**S113-N**	84006-40
	2-Gang 1-Toggle, 1-Blank - Strap Mounted	White Ivory Almond Lt. Almond Grey Red		80706-W 80706-I 80706-A 80706-T 80706-GY 80706-R	Non-Magnetic S/S	**S114-N**	84077-40
	3-Gang 2-Toggle 1-Blank - Strap Mounted				Non-Magnetic S/S	**S214-N**	S214-N
	2-Gang 1-Blank, 1-Decora/GFCI Strap Mount	White Ivory Almond Lt. Almond Grey Black Brown	P1426-W± P1426-I±	80708-W 80708-I 80708-A 80708-T 80708-GY 80708-E 80708	Non-Magnetic S/S	**S1426-N**	S1426-N
Industry Standard			**P182**				
	3-Gang 1-Toggle, 2-Duplex	White Ivory Brown	88047 86047 85047	80747-W 80747-I —	Non-Magnetic S/S	**S182-N**	84047-40
	4-Gang 2-Toggle, 2-Duplex				Brass Non-Magnetic S/S	**B282** **S282-N**	81045 84045-40

± Painted Metal Wallplates

STANDARD COMBINATION OPENINGS

	Description	Color	Thermoset	Thermoplastic (Nylon)	Metal		
Industry Standard			**SPJ18**	**PJ18**	**Industry Standard**		
			Cat. No.	**Cat. No.**			**Cat. No.**
	2-Gang 1-Single 1.406" dia. Hole 1-Duplex	White Ivory	88046-W± 86046-I±		Non-Magnetic S/S	**S78-N**	84046-40
Industry Standard			**P826**				
	2-Gang 1-Duplex 1-Decora/GFCI	White Ivory Almond Lt. Almond Grey Black Brown Red	80455-W 80455-I 80455-A 80455-T — — 80455 —	80746-W 80746-I 80746-A 80746-T 80746-GY 80746-E 80746 80746-R	Non-Magnetic S/S	**S826-N**	84455-40
Industry Standard			**P112**				
	2-Gang 1-Toggle 1-Phone/Cable .406" dia. Hole - Strap Mount	White Ivory	88077 86077		Non-Magnetic S/S	**S112-N**	S112-N
	2-Gang 1-Phone/Cable .406" dia. Hole, 1-Duplex, Strap Mount	White Ivory	88078 86078		Non-Magnetic S/S	**S128-N**	84078-40
Industry Standard			**P1226**				
	2-Gang 1-Phone/Cable .406" dia. Hole 1-Decora - Strap Mount	White Ivory	80479-W 80479-I				
Industry Standard			**P138**	**N138**			
	2-Gang 1-Blank 1-Duplex, Box Mount	White Ivory Brown	88008 86008 85008	— N138-I —	Non-Magnetic S/S	**S138-N**	84008-40
Industry Standard			**P148**				
	2-Gang 1-Blank 1-Duplex, Strap Mount	White Ivory	88087± 86087±		Non-Magnetic S/S	**S148-N**	84087-40
Industry Standard			**P148**				
	2-Gang 1-Blank 1-Single 1.406" dia. Hole Strap Mount	White Ivory	88085± 86085±		Non-Magnetic S/S	**S147-N**	84085-40

± Painted Metal Wallplates

Midway Size Combination

TOGGLE SWITCH AND DUPLEX RECEPTACLE

	Description	Color	Thermoset	Thermoplastic (Nylon)
Industry Standard			**SPJ18**	**PJ18**
			Cat. No.	**Cat. No.**
	2-Gang 1-Toggle, 1-Duplex	White Ivory Almond Lt. Almond Black Brown	80505-W 80505-I 80505-A 80505-T — 	PJ18-W PJ18-I PJ18-A PJ18-T PJ18-E PJ18
Industry Standard			**SPJ28**	
	3-Gang 2-Toggle, 1-Duplex	White Ivory Almond Lt. Almond Brown	80521-W 80521-I 80521-A 80521-T 80521	PJ21-W PJ21-I — PJ21-T —

± Painted Metal Wallplates

TOGGLE SWITCH AND DECORA/GFCI

	Description	Color	Thermoset	Thermoplastic (Nylon)
Industry Standard			**P126**	**N126**
			Cat. No.	**Cat. No.**
	2-Gang 1-Toggle, 1-Decora/GFCI	White Ivory Almond Lt. Almond Brown	80605-W 80605-I 80605-A 80605-T —	PJ126-W PJ126-I PJ126-A PJ126-T PJ126
Industry Standard				**PJ226**
	3-Gang 2-Toggle, 1-Decora/GFCI	White Ivory Almond Lt. Almond Brown		PJ226-W PJ226-I PJ226-A PJ226-T PJ226

TOGGLE SWITCH AND BLANK

	Description	Color	Thermoset
Industry Standard			**SPJ113**
			Cat. No.
	2-Gang 1-Toggle, 1-Blank - Box Mounted	White Ivory Brown	80506-W 80506-I 85006

Residential and Commercial Grade

STANDARD COMBINATION OPENINGS

	Description	Color	Thermoset
Industry Standard			**SPJ138**
			Cat. No.
	2-Gang 1-Blank, 1-Duplex Box Mount	White Ivory	80508-W 80508-I
Industry Standard			**SPJ1426**
	2-Gang 1-Blank, 1-Decora/GFCI Strap Mount	White Ivory Almond Lt. Almond Brown	80608-W 80608-I 80608-A 80608-T 80608
Industry Standard			**PJ826**
	2-Gang 1-Duplex, 1-Decora/GFCI	White Ivory Almond Lt. Almond	PJ826-W PJ826-I PJ826-A PJ826-T

Oversize Size Combination

TOGGLE SWITCH AND DUPLEX RECEPTACLE

	Description	Color	Thermoset	Metal		
Industry Standard			**P018**	**Industry Standard**		
			Cat. No.			**Cat. No.**
	2-Gang 1-Toggle, 1-Duplex	White Ivory	88105 86105	Non-Magnetic S/S	**SO18-N**	84105-40
	3-Gang 2-Toggle, 1-Duplex			Non-Magnetic S/S	**SO28-N**	84121-40

TOGGLE SWITCH AND BLANK

	Description	Color	Thermoset
Industry Standard			**P0113**
			Cat. No.
	2-Gang 1-Toggle, 1-Blank - Box Mounted	White Ivory	88106 86106

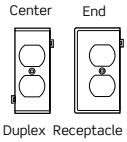
± Painted Metal Wallplates

STANDARD COMBINATION OPENINGS

	Description	Color	Thermoset	Metal		
Industry Standard			P0138	Industry Standard		
			Cat. No.			Cat. No.
	2-Gang 1-Blank, 1-Duplex Box Mount	Ivory	86108			
	2-Gang 1-Single 1.406" dia. Hole, 1-Duplex			Non-Magnetic S/S	**SO78-N**	84146-40
	3-Gang 1-Toggle, 2-Duplex			Satin Finish	**SO782-N**	84147-40

Thermoplastic and Metal

THERMOPLASTIC (NYLON) SECTIONALS FOR MULTI-GANG INSTALLATIONS*

	Description	Color	Center Panel	End Panel
			Cat. No.	Cat. No.
	Duplex Receptacle	White	PSC8-W	PSE8-W
		Ivory	PSC8-I	PSE8-I
		Lt. Almond	PSC8-T	PSE8-T
	Toggle Switch	White	PSC1-W	PSE1-W
		Ivory	PSC1-I	PSE1-I
		Lt. Almond	PSC7-T	PSE7-T
	Single Receptacle, 1.406"dia. Hole	White	PSC7-W	PSE7-W
		Ivory	PSC7-I	PSE7-I
	Blank, Strap Mount	White	PSC14-W	PSE14-W
		Ivory	PSC14-I	PSE14-I
		Lt. Almond	PSC14-T	PSE14-T
	Decora Panels	White	PSC26-W	PSE26-W
		Ivory	PSC26-I	PSE26-I
		Lt. Almond	PSC26-T	PSE26-T

*Outer dimensions of Wallplates created from two or more sectional panels will be the same as standard multi-gang plates.

HORIZONTAL SPLIT PLATE FOR TERMINATED CABLE

	Description	Color	Thermoplastic (Nylon)	Metal		
Industry Standard				Industry Standard		
			Cat. No.			Cat. No.
	1-Gang . .625" dia. hole with Grommet .406" Inner dia.	White Ivory	N751-W N751-I	Satin Finish Stainless Steel	**S751-N**	S751-N

Residential and Commercial Grade

Hot Stamped and Engraved

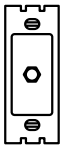
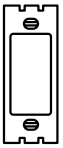
STANDARD SIZE HOT STAMPED AND ENGRAVED

	Description	Color	Thermoplastic (Nylon)	Metal	
Industry Standard				Industry Standard	
			Cat. No.		Cat. No.
	1-Gang 1-Duplex Stamped and Engraved "Emergency"	Red	80703-RE	Non-Magnetic S/S	84003-E4
	2-Gang 2-Duplex Stamped and Engraved "Emergency"	Red	80716-RE	Non-Magnetic S/S	84016-E4
	1-Gang 1-Duplex Stamped and Engraved "Isolated Ground"	Orange	80703-IG	Non-Magnetic S/S	84003-IG
	2-Gang 2-Duplex Stamped and Engraved "Isolated Ground"	Orange	80716-IG		
	1-Gang 1-Single 1.406" dia. Hole Stamped and Engraved "Isolated Ground"	Orange	80704-IG		
	1-Gang 1-Decora Stamped "Isolated Ground"	Orange	80401-IG		
	1-Gang 1-Decora Stamped "GFCI"	White Ivory	80401-GFW 80401-GFI		
	1-Gang 1-Decora Stamped "Computer Only"	Ivory	80401-COI		
	1-Gang 1-Toggle Stamped and Engraved "Emergency"	Red	80701-RE		
	1-Gang 1-Duplex Stamped "GFCI Protected"	White Ivory	80703-GFW 80703-GFI		
	1-Gang 1-Duplex Stamped "Computer Only"	White Ivory Orange	80703-COW 80703-COI 80703-COO		

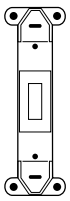
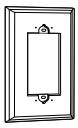
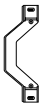
MIDWAY SIZE HOT STAMPED AND ENGRAVED

	Description	Color	Thermoplastic (Nylon)
Industry Standard			
			Cat. No.
	1-Gang 1-Duplex Stamped and Engraved "Emergency"	Red	PJ8-RE
	2-Gang 2-Duplex Stamped and Engraved "Emergency"	Red	PJ82-RE
	1-Gang 1-Duplex Stamped and Engraved "Isolated Ground"	Orange	PJ8-IG

DECORA PLUS STANDARD SIZE PLASTIC ADAPTERS

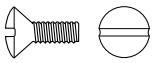
	Description	Color	Cat. No.
	CATV Jack	White	80381-W
		Ivory	80381-I
		Almond	80381-A
		Lt. Almond	80381-T
		Grey	80381-GY
		Black	80381-E
	Blank No Hole	White	80314-W
		Lt. Almond	80314-T
		Grey	80314-GY
		Black	80314-E

PLASTIC ADAPTERS

	Description	Color	Cat. No.
	Dimmer Shaft .406" dia. Hole	White Ivory Almond Lt. Almond Black Brown	80400-W 80400-I 80400-A 80400-T 80400-E 80400
	Blank Decora No Hole	White Ivory Almond Lt. Almond Grey Black Brown	80414-W 80414-I 80414-A 80414-T 80414-GY 80414-E 80414
	Blank Toggle No Hole	White Ivory Almond Lt. Almond Grey Brown	80700-W 80700-I 80700-A 80700-T 80700-GY 80700
	Wallbox Adapter Extends shallow wallbox to fit GFCI/Decora device	White Ivory Brown	6197-W 6197-I 6197
	Snap-in Grommet reduces 1.406" to 1.00" for use with single receptacle wallplates	Black	403
	Thermoplastic Yoke/Mounting Strap with screws		404

All devices are UL Listed and CSA Certified.

WALLPLATE SCREWS

	Description	Color	Cat. No.
	Oval Head Milled Slot 5/16" long – 6-32 thread, 100 per box	White Ivory Almond Lt. Almond Grey Stainless Steel	88400-PRT 86400-PRT 82400-PRT 78400-PRT 87400-PRT 84400-PRT
	Oval Head Milled Slot thread, 1/2" long – 6-32 100 per box	White Ivory Lt. Almond Brown Stainless Steel	88000-PRT 86000-PRT 78000-PRT 85000-PRT 84000-PRT
	Oval Head Milled Slot 6-32 thread, 7/8" long – 50 per box	White Ivory Lt. Almond	88500-PRT 86500-PRT 78500-PRT

MOUNTING SCREWS

	Description	Color	Cat. No.
	Phillips/Standard 7/8" long – 6-32 thread, 6-32 thread, 100 per box	Stainless Steel	84400-PRT

TAMPER-RESISTANT SPANNER HEAD WALLPLATE SCREWS

	Description	Color	Cat. No.
	Spanner Head 1/2" long – 6-32 thread, 100 per box	Stainless Steel	84000-T
	Screwdriver for Spanner head or Tamper-Resistant screws	Black	84000-TSD

PILOT LIGHT JEWELS

	Description	Color	Cat. No.
	Round Fits single receptacle hole 1.375-1.406" dia.	Red Green	405-R 405-GR
	Rectangular Fits toggle switch hole .406 x .942"	Red Green	406-R 406-GR
	Lampholder Assembly for use with jewels or louvre plates – use with standard 2.5" box and 4 watt bulb (bulb not included)		2152

Connectivity Device Plates

Dedicated to 46000 series devices, single-gang Leviton Voice/Data/CATV Wallplates come in standard and Decora styles. They accommodate a Type "F", Db9, Db15 or Bnc/Tnc "D" connectors and are constructed from an impact resistant, engineering grade polymer.



VOICE/DATA/CATV STANDARD SIZE NYLON

	Description	Color	Thermoplastic (Nylon)	Metal	
Industry Standard				Industry Standard	
			Cat. No.		Cat. No.
	1-Gang Type "F" Connector	White Ivory Almond Lt. Almond	80781-W 80781-I 80781-A 80781-T		
	1-Gang Duplex Type "F" Connector	Ivory White Almond Lt. Almond	80782-W 80782-I 80782-A 80782-T		
	1-Gang Db9 Data Connector			Non-Magnetic S/S	84441-40
	1-Gang Db15 Data Connector			Non-Magnetic S/S	84442-40
	1-Gang Bnc/Tnc "D" Connector			Non-Magnetic S/S	84444-40

Weather Resistant Covers

Leviton's full line of Raintight and Weather Resistant Covers are ruggedly constructed to seal out moisture, dust, debris and insects, while providing easy access to receptacles. Industrial Grade covers are designed for rugged conditions. Their sturdy, gasketed covers mount vertically or horizontally. Leviton makes two innovative Raintight While-in-Use Covers: telescoping and metal. Designed for decks, patios, porches and similar locations, they're more than a match for the vagaries of weather. The telescoping cover sports a low-profile when in the contracted position, while the metal cover features a self-closing lid made of powder-coated cast zinc. Leviton Weather Resistant Covers let homeowners use power tools, trimmers, sprinkler systems and pumps with confidence and safety. They're also ideal for outdoor security, landscape, accent and holiday lighting.



Specifications and Features

- Glass-filled thermoplastic cover and plate for outstanding impact resistance and durability
- UL 94-VO Flammability Rating
- Superior IP 64 Suitability rating protects against dust particles and splashing water
- NEMA Type 3R enclosure rating ensures protection against rain, sleet and damage from external ice formation
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel hinge-pin, spring and mounting screws for excellent corrosion resistance
- Triple-combination screws accept Phillips, straight-blade or Robertson-head screwdrivers
- Oversized cover tab for easier opening with gloved hands
- Mounts to panel or FS/FD boxes
- UL Listed and CSA certified for wet locations with cover closed
- Backed by a Limited 10-Year Warranty

Industrial Grade

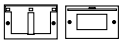
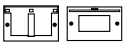
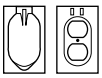
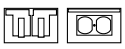


WP2

WEATHER-RESISTANT COVERS

Description	Color	Cat. No.
For use with 15A locking, 15A and 20A straight-blade flanged inlets and outlets	Grey	WP1
For use with 20A and 30A 3-, 4-, and 5-wire locking flanged inlets and outlets; 30A and 50A 3-wire power receptacles	Grey	WP2
For use with 50A 4-wire power receptacles	Grey	WP3
For use with 50A single locking receptacles and FS/FD Boxes	Grey Yellow	7770 7788-CR
For use with 50A single locking receptacles and FS/FD Boxes	Grey	7420-CRG
For use with 20A and 30A FS/FD boxes and single locking receptacles	Yellow	7420-CR

DIE-CAST ZINC WEATHER-RESISTANT COVERS

	Description	Mounting	Cat. No.
	Single Receptacle 1-Gang	Horizontal	4925-2
	Decora/GFCI, 1-Gang	Vertical Horizontal	4992 4990
	Decora/GFCI, 1-Gang for mounting on FS type box	Vertical Horizontal	6196-FS 6196-VFS
	Duplex Receptacle, 1-Gang	Vertical	4926
	Duplex Receptacle or Combination Device 1-Gang, Two Independent Lids	Horizontal	4970
	Weatherproof Wallplate and Switch 15A 120V AC	Horizontal or Vertical	1432
	Steel Enclosure without Switch for 30A Motor Starters	Vertical	N13NC
	Lockout Wallplate (lock sold separately)	S/S	84001-LOK

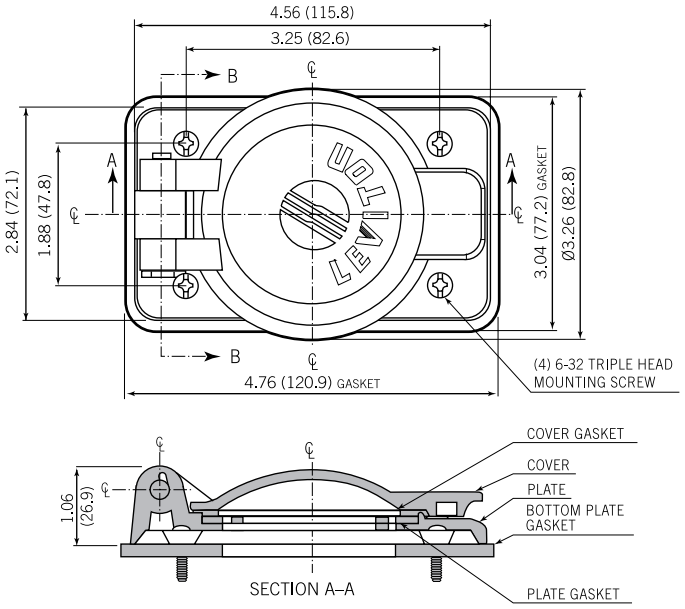
Related Products
Leviton offers a complete selection of additional enclosures for motor starters.
See page 624 in the Switches Section for more information.

TESTING AND CODE COMPLIANCE
- UL Listed (File # E-13397)
- CSA Certified (File # LR-16347)
- IP 64 Suitability rating (protected against dust and splashing water)
- NEMA Type 3R enclosure rating

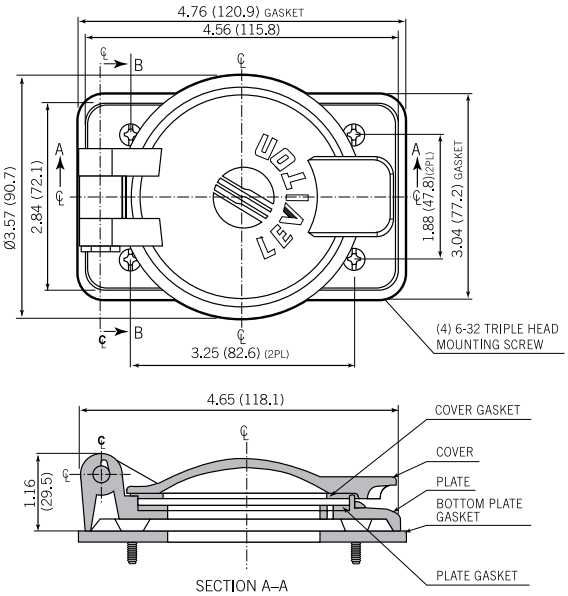
MATERIAL CHARACTERISTICS
Environmental: VO Flammability Rating per UL 94
Operating Temperature: -40°C to 75°C

DIMENSIONS

Water Resistant Cover
WP1 and 7420-CR



Water Resistant Cover
WP2

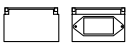
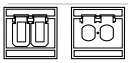


Commercial Grade

Weather Resistant Thermoplastic Covers

Specifications and Features
- Self-closing lid
- Vertical and horizontal mounting
- Impact-resistant thermoplastic covers and bases
- Weather-resistant gaskets
- Stainless steel springs

THERMOPLASTIC WEATHER-RESISTANT COVERS

	Description	Mounting	Color	Cat. No.
	Duplex Receptacle or Combination Device, 1-Gang, Two Independent Lids	Horizontal Horizontal	White Grey	4976-W 4976-GY
	Duplex Receptacle or Combination Device, 1-Gang for mounting on FS type box, Two Independent Lids	Horizontal	Grey	4976-FS
	Duplex Receptacle or Combination Device, 1-Gang	Vertical Vertical	White Grey	4978-W 4978-GY
	Single Receptacle, 1-Gang	Vertical	Grey	4979-GY
	Single 20A or 30A Locking Receptacle, 1-Gang	Vertical	Grey	4980-GY
	Duplex Receptacle, 1-Gang	Vertical		4926
	Duplex Receptacle or Combination Device 1-Gang, Two Independent Lids	Horizontal		4970
	Decora/GFCI, 1-Gang	Vertical Horizontal		4992 4990

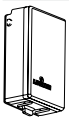
BLANK BOX MOUNTED WALLPLATES WITH GASKET

	Description	Mounting	Cat. No.
	1-Gang Aluminum, Box Mount	N/A	83014-EXT
	2-Gang Aluminum, Box Mount	N/A	83025-EXT

Raintight While-In-Use Covers

Telescoping Raintight While-in-Use Cover
- Tough UV rated thermoplastic construction resists scratching and corrosion
- Extends to While-in-Use position for plugs
- Contracts to shut out insects and debris
- Packaged with duplex and Decora plates, mounting hardware and gaskets

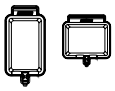
THERMOPLASTIC TELESCOPING RAINTIGHT WHILE-IN-USE COVERS



Description	Mounting	Color	Cat. No.
Duplex, Decora	Vertical	White	T5979-W
and Single	Vertical	Lt. Almond	T5979-T
Receptacle with	Vertical	Grey	T5979-GY
Smoke Cover	Vertical	Brown	T5979

Thermoplastic While-In-Use-Covers
- Self-closing lid
- Impact resistant thermoplastic construction
- Pre-installed gasket for easy, reliable installation
- Offset device opening (horizontal only) for easier cord exit
- Thermoplastic inserts prevent insect and debris accumulation

THERMOPLASTIC RAINTIGHT WHILE-IN-USE COVERS



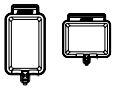
Description	Mounting	Color	Cat. No.
Duplex Receptacle,	Vertical	Grey	5976-GY
Standard	Vertical	Clear	5976-CL
Duplex Receptacle,	Vertical	Grey	5976-DGY
Extra Deep	Vertical	Clear	5976-DCL
Decora/GFCI,	Vertical	Grey	5977-GY
Standard	Vertical	Clear	5977-CL
Decora/GFCI,	Vertical	Grey	5977-DGY
Extra Deep	Vertical	Clear	5977-DCL
Single Receptacle,	Vertical	Grey	5978-GY
Standard	Vertical	Clear	5978-CL
Single Receptacle,	Vertical	Grey	5978-DGY
Extra Deep	Vertical	Clear	5978-DCL
Duplex Receptacle,	Horizontal	Grey	5996-GY
Standard	Horizontal	Clear	5996-CL
Duplex Receptacle,	Horizontal	Grey	5996-DGY
Extra Deep	Horizontal	Clear	5996-DCL
Decora/GFCI, Standard	Horizontal	Grey	5997-GY
Standard	Horizontal	Clear	5997-CL
Decora/GFCI,	Horizontal	Grey	5997-DGY
Extra Deep	Horizontal	Clear	5997-DCL

Commercial Grade

Die-Cast Zinc Raintight While-In-Use Covers

- Powder-coated cast zinc construction resists scratching and corrosion
- Self-closing lid with stainless steel hinge
- Choice of vertical and horizontal mounting
- Includes duplex and Decora plates, mounting hardware and gaskets
- Accepts standard padlock for increased security

DIE-CAST ZINC METAL RAINTIGHT WHILE-IN-USE COVERS



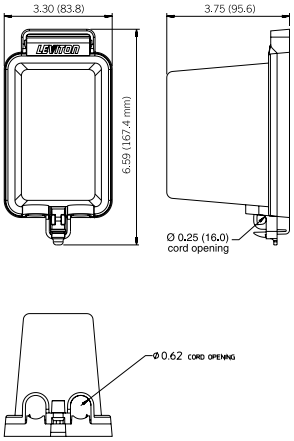
Description	Mounting	Color	Cat. No.
Duplex and Decora Plate Configurations	Vertical	White	M5979-W
	Vertical	Grey	M5979-GY
Duplex and Decora Configurations	Horizontal	White	M5999-W
	Horizontal	Grey	M5999-GY

TESTING AND CODE COMPLIANCE

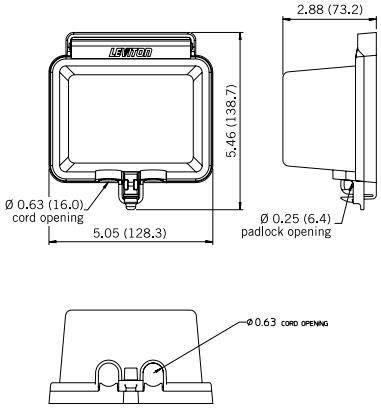
- Full compliance with UL, CSA and NEC Section 410-57B requirements for damp and wet locations with cover closed
- Raintight While-In-Use covers are NEMA 3R rated for use in wet or damp locations with cover closed and meets NEC® Section 406.8(B)(1) requirements

DIMENSIONS

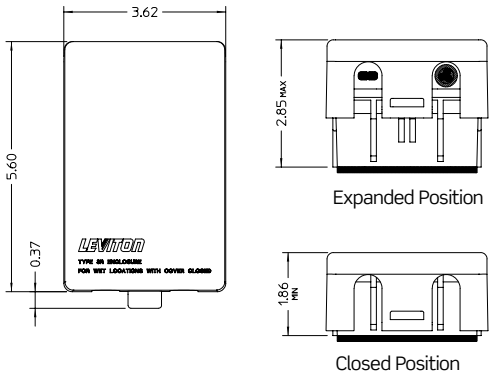
Vertical Mount Extra Deep



Horizontal Mount, Standard



Thermoplastic Telescoping



How to Order Custom Wallplates



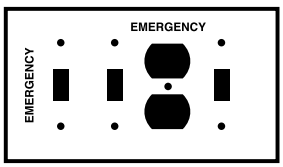
GENERAL INFORMATION

Custom wallplates, up to twelve gangs in size, made of brass, stainless steel, painted steel, aluminum or chrome, can be special ordered from Leviton. Any combination of the configurations shown can be specified to meet your needs. In addition, standard and custom metal wallplates can be engraved, and standard nylon wallplates can be hot stamped, with the message of your choice. Follow the steps below to fill out the Custom Wallplate Order Form completely and accurately. The finished order form must include:

1. The wallplate catalog number
2. The type of wallplate material desired (from the Material Code Chart)
3. The quantity of wallplates desired
4. The wallplate configurations in proper order (from the Configuration Code Chart)
5. The wallplate color, selected from the Wallplate Color Code Chart
6. Engraved or hot stamped message, if desired, with message location and letter size
7. Engraved or hot stamped message filler color, selected from the Fill-In Color Chart

Photocopy the blank Custom Wallplate Order Form at the back of this section and refer to the completed sample Custom Wallplate Order Form shown when filling out your order. Your Leviton representative can provide you with additional forms if needed. The sample order grid below shows the custom wallplate (example only), pictured at right:

NOTE: Messaging can be written horizontally or vertically. Please contact Leviton for examples of spacing and sizing.



Sample Grid

CAT. NO. **90004** MATERIAL CODE **S3** QTY. **1**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
EMERGENCY **01**	**01**	EMERGENCY **03**	**01**								

COLOR CODE _____ ENGRAVED ✔ HOT STAMPED _____ LETTER SIZE **3/8”**

FILLER CODE _____ PRICE _____

P.O. # **XR**

How to Fill Out the Custom Wallplate Order Form

STEP 1: DETERMINE THE WALLPLATE CATALOG NUMBER

The catalog number for a custom wallplate is determined as follows: a single-gang custom wallplate is Cat. No. 90001, a double-gang custom wallplate is Cat.No. 90002, a three-gang custom wallplate is Cat. No. 90003, and so on through the sequence to Cat. No. 90010 for the ten-gang custom wallplate. Enter the number in the space on the Order Form marked "CAT. NO." If you are ordering a standard metal wallplate for custom engraving, use the 90000 series number. If you are ordering a standard nylon wallplate for custom hot stamping, enter that wallplate's catalog number in the space on the Order Form marked "CAT. NO."

STEP 2: SELECT THE WALLPLATE MATERIAL

Choose the custom wallplate material desired from the Wallplate Material Chart below. Enter the Material Code for the material selected in the space marked "MATERIAL CODE" on the Order Form. When ordering Custom Hot Stamped wallplates, enter NYLON.

MATERIAL	MATERIAL CODE
Aluminum†	AL — No Engraving or Hot Stamping
Brass (Satin) Polished Brass	BR PB
Non-Magnetic Stainless Steel-Type 302/304	S3
Oversize Non-Magnetic Stainless Steel-Type 302/304*	S30
Painted Steel	S5
Oversize Painted Steel*	S50
Chrome	CRM
Raw Steel	RAW

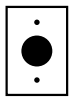
†6-Gang maximum size, standard size only
*4-Gang maximum size

STEP 3: DETERMINE THE QUANTITY OF THE WALLPLATE ORDER

Enter the quantity of wallplates needed in the space marked "QUANTITY" on the Order Form.

STEP 4: DETERMINE THE CUSTOM WALLPLATE CONFIGURATION

The Wallplate Configuration Chart below shows all the configurations that can be specified for Leviton custom metal wallplates. Each configuration has a specific Configuration Code number in the lower right-hand corner of its corresponding space on the chart. Enter this configuration code in the center of the corresponding square on the Order Form Grid to match its desired position on the finished custom wallplate. Refer to the Sample Order Form Grid for clarification on configurations and their placement, if necessary (page G43).

 Toggle Switch **01**	 Duplex Receptacle **03**	 Louvre Horizontal Mount **05**	 Louvre Vertical Mount* **07**	 Blank Box Mount **09**	 Blank Strap Mount **11**
 Decora/ GFCI **13**	 Single 1.406" dia. Receptacle **15**	 1.60" dia. Hole **17**	 2.15" dia. Hole** **19**	 2.647" dia. Hole** **21**	 .312" dia. Hole Strap Mount **23**
 .312" dia. Hole Box Mount **25**	 .406" dia. Hole Strap Mount **27**	 .406" dia. Hole Box Mount **29**	 .625" dia. Hole Strap Mount **31**	 .625" dia. Hole Box Mount **33**	 Interchangeable 1-Device Vertical **35**
 Interchangeable 1-Device Horizontal **37**	 Interchangeable 2-Device **39**	 Interchangeable 3-Device **41**	 2.460" dia. Hole 2-Gang Only** **47**	0.880" dia. Hole for Key Lock Power Switch**. Tamper-resistant screws and screwdriver included w/Key Lock configurations. Device mount unless specified otherwise. For 1-gang, order 84071-40.  **49**	

Enter the code number for the configurations you select in the center box on each desired wallplate position on the Custom Wallplate Order Form.

*3-Gang minimum
**2-Gang minimum

How to Fill Out the Custom Wallplate Order Form (continued)

STEP 5: SELECT THE WALLPLATE COLOR

For painted metal, select one of the following colors and enter its color code in the space marked "COLOR CODE" on the order form:

COLOR	WALLPLATE COLOR CODE
Almond	PA
Black	PE
Brown	PB
Gray	PG
Ivory	PI
Orange	PO
Red	PR
White	PW
Lt. Almond	PT

STEP 6: ENTER ENGRAVING INFORMATION

NOTE: WE CAN ENGRAVE NYLON AND PAINTED AND UNPAINTED METAL WALLPLATES. After completing steps 1-5:

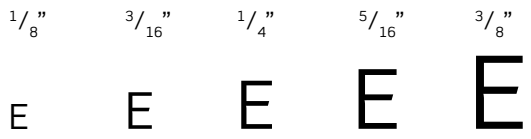
6A) Type or clearly print the message(s) (i.e., TURN OFF) as you wish it to appear on the lines provided in the appropriate Grid box(es). 6B) Select the size of the letters you desire for the wallplate message from the dimensions shown below and enter that size in the space marked "LETTER SIZE" on the Order Form. 6C) Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked "FILLER CODE."

NOTE: Nylon Plates — Engraving or Hot Stamping only on Stock Cat. Numbers.

FILLER COLOR CODES for Engraved Wallplates

COLOR	CODE
Black	XE
White	XW
Red	XR
No Filler	XX

LETTER SIZE GAUGE for Engraved Wallplates



STEP 7: ENTER HOT STAMPING INFORMATION

7A) Select the message(s) desired from the Message Library below. Enter the message on the lines provided in the appropriate Grid box(es) where they should appear. The message will be stamped in 3/16"-high text.

HOT STAMPING MESSAGE LIBRARY FOR CUSTOM NYLON WALLPLATES

1. SHOWER	7. HEAT	13. ON	19. ISOLATED	25. EQUIP
2. VANITY	8. DATA	14. PROTECTED	20. GROUND	26. FLUORESCENT
3. VOICE	9. COMPUTER	15. OFF	21. CONDITIONED	27. OIL
4. ONLY	10. GFCI	16. OIL BURNER	22. CONDITIONED POWER	28. POWER
5. ISOLATED GROUND	11. SURGE	17. PC	23. CRITICAL	29. UPS
6. EMERGENCY	12. FAN	18. DEDICATED	24. ELEC.	

7B) Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked "FILLER CODE."

COLOR	CODE
Black	XE
White	XW
Red	XR
No Filler	XX

To order nylon wallplates with custom hot stamped message, contact your Leviton salesman or customer service representative.

8) NOTE: Sequential engraving is available. Consult factory for ordering instructions.

LEVITON

CUSTOM WALLPLATE ORDER FORM

BILL TO:

SHIP TO:

CAT. NO._____ MATERIAL CODE_____ QTY._____

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COLOR CODE_____ ENGRAVED_____ HOT STAMPED_____ LETTER SIZE_____

FILLER CODE_____ PRICE_____ P.O. #_____

Engraving Information (Please print per corresponding gang number.)

(1) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (7) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(2) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (8) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(3) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (9) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(4) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (10) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(5) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (11) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(6) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐ (12) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐

DESCRIPTION
(Use this space to add additional information that may be helpful.)

TERMS

- Please take care to complete your order carefully. Custom wallplates cannot be returned
- Custom orders are shipped in three to four weeks
- All engraving shall be centered within its corresponding gang unless specifically instructed to span across multiple gangs
- All engravings on toggle configurations shall appear above the mounting screw holes unless specifically instructed otherwise
- All engravings on GFCI/Decora configurations shall appear below the mounting screw hole unless specifically instructed otherwise



Wire Mesh Safety Grips

INDEX

Industrial Grade

Introduction 754
Pulling Grips 761
- Fiber Optic Grips 762
- Bale Eye Grips 763
- Rotating Eye Grips 765
- Multi-Weave Grips 766
- High Strength Grips 767
- Slack Grips 768

Strain Relief Grips 769
- Cord Sealing Grips 770
- Deluxe Cord Grips 772
- Liquid Tight Grips 774

Support Grips 775

Industrial Grade

A large selection of wire mesh pulling, strain-relief and support grips

Leviton® Wire Mesh Safety Grips are built tough to provide the strength, reliability and gripping force required for today's demanding wire management applications. They are designed to distribute stress over a large area so they can securely hold, pull or support the wire, rope, tubing or fiber optic cable to which they are applied.

Leviton Wire Mesh Safety Grips are flexible holding devices used to pull cable, rope, or tubing into place; to support it after it has been installed, to prevent cable pullout; or to provide strain-relief that reduces the arc of bend at points of wire connections or terminations. Available in a wide selection of style, weave, attachment and wire options designed to meet the highest standards for strength, flexibility, durability and longevity.

Features and Benefits

Pulling Grips

Pulling Grips are reusable tools for pulling insulated conductors or bare wires, cable, nylon and wire rope, fiber optic cable etc. Both flexible eye and rotating eye attachments are available.

Strain-Relief Grips

Strain-Relief Grips are used to connect cable or flexible conduit to electrical enclosures and equipment. This prevents pullout and bending due to tension at the inner conductors at the point of termination.

Support Grips

Support Grips distribute the weight of the vertical or sloping runs of electrical and fiber optic cable, metal rods, tubing or hose over the entire length of the grip so that the cable is not subject to damage. A variety of hangers and bales are available. These grips are also available in stainless steel for additional corrosion-resistance.

Technical Reference

HAZARDOUS LOCATIONS

The following product categories are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 & 2; and Class III, Div. 1 & 2 requirements.

Product Category	Type
Deluxe Cord Grips	Aluminum fitting
	Nylon fitting
	Non-metallic

FLAMMABILITY

Non-metallic Deluxe Cord Grips will not support combustion. The ratings are listed below.

Component	Rating
Wire Mesh Grip	94HB[1]
Fitting	94V[2]

[1]A test method used by UL to determine a rate of burning and/or extent and time of burning of self-supporting plastics in a horizontal position (ASTM D 635-88, IEC 707-1981, ISO/DIS 1210.2).

[2]A test method used by UL for measuring the comparative extinguishing characteristics of solid plastics in a vertical position (IEC 707-1981, ISO/DIS 1210.2).

WET LOCATIONS

The strain-relief grips listed below are suitable for use in wet locations so long as a listed sealing ring is used between the box and the fitting (not included).

Product Category	Type
Deluxe Cord Grip	Aluminum fitting
	Nylon fitting
	Non-metallic

TYPES OF WIRE MESH SAFETY GRIPS

Product Group	Description	Material
Pulling Grips	Junior Duty	Galvanized steel wire
	Light Duty	Galvanized steel wire
	Medium Duty	Galvanized steel wire
	Heavy Duty	Galvanized steel wire
	Heavy Duty Swivel	Galvanized steel wire
	Multi-Weave, Rotating Eye	Galvanized steel wire
	Multi-Weave, Flexible Eye	Galvanized steel wire
	High Strength	Galvanized steel wire
	Slack, Offset Eye - Closed Mesh	Galvanized steel wire
	Slack, Offset Eye - Split Lace	Galvanized steel wire
	Slack, Offset Eye - Split Rod	Galvanized steel wire
Strain-Relief Grips	Wide Range (with Gasket)	Galvanized steel wire
	Nylon Cord Sealing Grips with Mesh	Nylon
	Deluxe Cord Grips	Stainless steel wire
	Liquid-Tight (metallic cond.)	Stainless steel wire
	Liquid-tight (Non-Metallic Cond.)	Stainless steel wire
	Connection Wire	Galvanized steel
Support Grips	Support Closed	Tinned bronze or stainless steel[1]
	Support Closed, Heavy Duty, Long	Tinned bronze or stainless steel[1]
	Support Split with Lace	Tinned bronze or stainless steel[1]
	Support Split Lace, Heavy Duty, Long	Tinned bronze or stainless steel[1]
	Support Split with Rod	Tinned bronze or stainless steel[1]
	Bus Drop Grips	Galvanized steel wire
	Safety Springs	Spring steel

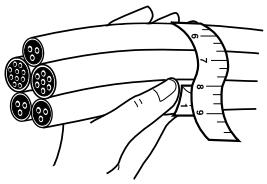
[1]Stainless steel available on request. Contact your Leviton Representative.

TESTING AND CODE COMPLIANCE

- UL Listed (Control #965U, File #E-173944, and Control #16G5, File # E-176347)
- CSA Certified (File #LR-702185)

STANDARDS

NEC 300-19—Supporting cables in vertical raceways
NEC 351-2—Liquid-tight flexible metal conduit installations
NEC 400-7—Flexible cord installations
NEC 400-10—Strain-relief at joints and terminals
JIC H 13.11—Prevention of flexible hose failure



Selecting Proper Sized Pulling and Support Grips

How to Select Proper Grip Size

Example: For five cables bundled together, each with a diameter of 0.42":

1) Locate "5 Cables" column
2) Read down column to range (0.38"-0.48")
3) Read across line to Grip Diameter Range (1.00-1.25)

Grip size is based on the outside diameter or circumference of the cable(s). Use Selection Table 1 to determine the Grip Diameter Range for one or more cables of equal diameter. Use Selection Table 2 to determine the Grip Diameter Range for cables of different diameters bundled together. (Note: In this case, the bundle must be measured.) For your convenience, the Reference Tables provide approximate values for flexible cord and AWG or MCM wire.

Grip Selection Table for One or More Cables of Equal Diameter

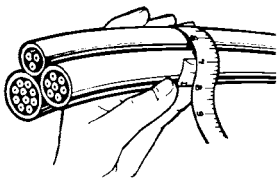
1) Read across top line for number of cables in one grip
2) Read down for diameter of each cable
3) Read across line to Grip Diameter Range column

TABLE 1: DECIMAL AND FRACTIONAL INCH CABLE DIAMETERS — FOR ONE OR MORE CABLES OF EQUAL DIAMETER

1 Cable		2 Cables		3 Cables		4 Cables		Grip Diameter Range
0.25-0.37	1/4-3/8	0.16-0.25	1/64-1/4	0.15-0.22	5/32-7/32	0.12-0.20	1/8-13/64	.250-.375
0.37-0.50	3/8-1/2	0.25-0.36	1/4-23/64	0.22-0.33	7/32-21/64	0.20-0.28	13/64-9/32	.375-0.50
0.50-0.62	1/2-5/8	0.27-0.36	17/64-23/64	0.26-0.33	17/64-21/64	0.24-0.28	15/64-9/32	0.50-0.75
0.62-0.75	5/8-3/4	0.36-0.45	23/64-29/64	0.33-0.36	21/64-23/64	0.28-0.31	9/32-5/16	0.62-0.75
0.75-1.00	3/4-1	0.45-0.60	29/64-39/64	0.36-0.49	23/64-31/64	0.31-0.42	5/16-27/64	0.75-1.00
1.00-1.25	1-1 1/4	0.60-0.76	39/64-49/64	0.49-0.63	3 31/64-5/8	0.42-0.54	27/64-35/64	1.00-1.25
1.25-1.50	1 1/4-1 1/2	0.76-0.91	49/64-29/32	0.63-0.76	5/8-49/64	0.54-0.65	35/64-21/32	1.25-1.50
1.50-1.75	1 1/2-1 3/4	0.91-1.08	29/32-1 5/64	0.76-0.89	49/64-57/64	0.65-0.77	21/32-49/64	1.50-1.75
1.75-2.00	1 3/4-2	1.08-1.23	1 5/64-1 5/64	0.89-1.02	57/64-1 1/64	0.77-0.88	49/64-7/8	1.75-2.00
2.00-2.50	2-2 1/2	1.23-1.54	1 5/64-1 35/64	1.02-1.28	1 1/64-1 9/32	0.88-1.00	7/8-1	2.00-2.50
2.50-3.00	2 1/2-3	1.54-1.84	1 35/64-1 27/32	1.28-1.53	1 9/32-1 17/32	1.10-1.32	1 3/32-1 21/64	2.50-3.00
3.00-3.50	3-3 1/2	1.84-2.15	1 27/32-2 5/32	1.53-1.79	1 17/32-1 51/64	1.32-1.54	1 21/64-1 35/64	3.00-3.50
3.50-4.00	3 1/2-4	2.15-2.45	2 5/32-2 29/64	1.79-2.05	1 51/64-2 3/64	1.54-1.76	1 35/64-1 49/64	3.50-4.00

TABLE 1: DECIMAL AND FRACTIONAL INCH CABLE DIAMETERS — FOR ONE OR MORE CABLES OF EQUAL DIAMETER

5 Cables		6 & 7 Cables		8 Cables		9 Cables		Grip Diameter Range
0.11–0.14	7/64–9/64	0.10–0.11	3/32–7/64	0.09–0.10	3/32–7/64	0.06–0.09	1/16–3/32	.250–.375
0.14–0.25	9/64–1/4	0.11–0.25	7/64–1/4	0.10–0.20	7/64–13/64	0.09–0.19	3/32–3/16	.375–0.50
0.21–0.25	7/32–1/4	0.19–0.22	3/16–7/32	0.17–0.20	11/64–13/64	0.15–0.19	5/32–3/16	0.50–0.75
0.25–0.29	1/4–19/64	0.22–0.26	7/32–17/64	0.20–0.23	13/64–15/64	0.19–0.22	3/16–7/32	0.62–0.75
0.29–0.38	19/64–3/8	0.26–0.34	17/64–11/32	0.23–0.31	15/64–5/16	0.22–0.31	7/32–5/16	0.75–1.00
0.38–0.48	3/8–31/64	0.34–0.43	11/32–7/16	0.31–0.39	5/16–25/64	0.29–0.36	19/64–23/64	1.00–1.25
0.48–0.58	31/64–37/64	0.43–0.52	7/16–33/64	0.39–0.46	25/64–15/32	0.36–0.43	23/64–7/16	1.25–1.50
0.58–0.67	37/64–43/64	0.52–0.60	33/64–39/64	0.46–0.54	15/32–35/64	0.43–0.49	7/16–31/64	1.50–1.75
0.67–0.77	43/64–49/64	0.60–0.69	39/64–11/16	0.54–0.62	35/64–5/8	0.49–0.57	31/64–37/64	1.75–2.00
0.77–0.96	49/64–31/32	0.69–0.86	11/16–55/64	0.62–0.77	5/8–49/64	0.57–0.72	37/64–23/32	2.00–2.50
0.96–1.16	31/32–1 5/32	0.86–1.03	55/64–1 1/32	0.77–0.93	49/64–15/16	0.72–0.86	23/32–55/64	2.50–3.00
1.16–1.35	1 5/32–1 23/64	1.03–1.20	1 1/32–1 13/64	0.93–1.08	15/16–1 5/64	0.86–1.00	55/64–1	3.00–3.50
1.35–1.54	1 23/64–1 35/64	1.20–1.37	1 13/64–1 3/8	1.08–1.24	1 5/64–1 15/64	1.00–1.14	1–19/64	3.50–4.00



Selecting Proper Sized Pulling and Support Grips

How to Select Proper Grip Size

Example: For three different diameter cables bundled together with a measured circumference of 6.35".

1) Read down Inches (Decimal) column for 6.35" (6.29-7.86 in.)
2) Read across line to Grip Diameter Range (2.00-2.50)

Grip Selection Table for Cables of Different Diameters

Grip Circumference Range refers to the circumference of all cables held together

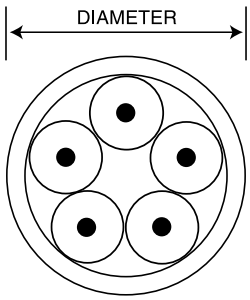
1) Determine Grip Circumference Range by measuring circumference of bundle of cables to be held (as shown in illustration)
2) Read down to locate correct range
3) Read across line to Grip Diameter Range Column

TABLE 2: GRIP CIRCUMFERENCE RANGE—FOR CABLES OF DIFFERENT DIAMETER

Inches (Fractional)	Inches (Decimal)	Grip Diameter Range
$2^{5}/_{32}$-$1^{11}/_{64}$	0.78-1.17	.250-.375
$1^{11}/_{64}$-$1^{37}/_{64}$	1.17-1.57	.375-0.50
$1^{37}/_{64}$-$1^{15}/_{16}$	1.57-1.94	0.50-.625
$1^{15}/_{16}$-$2^{3}/_{8}$	1.94-2.37	0.62-0.75
$2^{3}/_{8}$-$3^{5}/_{32}$	2.37-3.15	0.75-1.00
$3^{5}/_{32}$-$3^{15}/_{16}$	3.15-3.94	1.00-1.25
$3^{15}/_{16}$-$4^{23}/_{32}$	3.94-4.72	1.25-1.50
$4^{23}/_{32}$-$5^{33}/_{64}$	4.72-5.51	1.50-1.75
$5^{33}/_{64}$-$6^{19}/_{64}$	5.51-6.29	1.75-2.00
$6^{19}/_{64}$-$7^{55}/_{64}$	6.29-7.86	2.00-2.50
$7^{55}/_{64}$-$9^{7}/_{16}$	7.86-9.43	2.50-3.00
$9^{7}/_{16}$-$1^{11}/_{64}$	9.43-11.01	3.00-3.50
$1^{11}/_{64}$-$12^{37}/_{64}$	11.01-12.58	3.50-4.00

REFERENCE TABLE CORD DIAMETERS

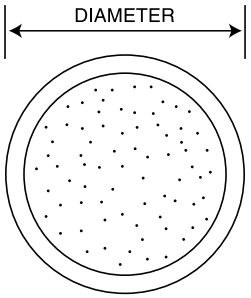
For your convenience, the following are nominal overall diameters (in inches) for flexible cord.



AT Wire Size And Type	Conductors 2	3	4	5
18 SO, STO	.36	.38	.41	.49
18 SJO, SJTO	.30	.32	.35	—
16 SO, STO	.39	.41	.44	.52
16 SJO, SJTO	.32	.34	.37	—
14 SO, STO	.52	.55	.59	.67
12 SO, STO	.60	.62	.68	.74
10 SO, STO	.65	.69	.74	.80
8 SO, STO	.83	.88	.99	1.08
6 SO, STO	.99	1.04	1.12	1.25

REFERENCE TABLE AWG OR MCM DIAMETERS

This table is to be used as a guide only. Sizes may vary by manufacturer.



AWG or MCM or MCM	Approx. Dia. (inches) THHN	Approx. Dia. (inches) THW
14	.105	.162
12	.122	.179
10	.153	.199
8	.201	.259
6	.257	.323
4	.328	.372
3	.356	.401
2	.388	.433
1	.450	.508
1/0	.491	.549
2/0	.537	.595
3/0	.588	.647
4/0	.646	.705
250	.716	.788
300	.771	.843
350	.822	.895
400	.869	.942
500	.955	1.03
600	1.06	1.14
700	1.13	1.21
750	1.16	1.25
1000	1.32	1.40

Industrial Grade

Selecting Proper Sized Pulling and Support Grips

Strength Information

The approximate breaking strength of any Leviton® Wire Mesh Safety Grip is based on working load information established by our engineering laboratories. In making these determinations, it is not possible to cover all applications and operating conditions. Variables such as diameter, gripping surface, number of items gripped, tension, movement, attachments, abrasion, corrosion, prior use and abuse must be assessed by the user. Greater safety factors should be utilized when the conditions of application are vague or unknown.

For specific applications where strength and holding power are important, consult Leviton's Technical Services Department. To determine the recommended working load safety factor for listed cable grips, divide the approximate breaking strength by 5 for pulling grips and by 10 for support grips. Leviton maintains a 6 Sigma Safety Factor for this recommended working load (using average break strengths obtained on new grips under lab test conditions).

Example: For pulling grips—33,000 ÷ 5 = 6,600 lbs. which is the workload factor.
Example: For support grips—10,080 ÷ 10 = 1,008 lbs. which is the workload factor.

All warranties concerning product quality or performance are based on wire mesh safety grips that are properly stored and handled by the user, and grips that are maintained and inspected at a proper frequency in keeping with their use and condition.

GRIP CABLE RANGE— FRACTION-DECIMAL-MILLIMETER CONVERSION

Inches (Fractional)	Inches (Decimal)	Metric (mm)
1/4-23/64	0.25-0.36	6.35-9.13
3/8-31/64	0.37-0.49	9.52-12.30
1/2-39/64	0.50-0.61	12.70-15.48
5/8-47/64	0.62-0.74	15.88-18.65
3/4-63/64	0.75-0.99	19.05-25.00
1-1 15/64	1.00-1.24	25.40-31.35
1 1/4-1 31/64	1.25-1.49	31.75-37.70
1 1/2-1 63/64	1.50-1.99	38.10-50.40
2-2 31/64	2.00-2.49	50.80-63.10
2 1/2-2 63/64	2.50-2.99	63.50-75.80
3-3 31/64	3.00-3.49	76.20-88.50
3 1/2-3 63/64	3.50-3.99	88.90-101.20

Pulling Grips

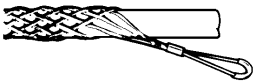
Leviton® Pulling Grips are reusable tools for pulling bare conductors, insulated wires, synthetic rope, wire rope, and fiber optic cable. These grips do not damage the cable, as the tension remains uniform throughout the length of the grip. The mesh responds to fit either a single cable or a bundle of cables. Leviton Pulling Grips may be used for pulling cable on overhead or underground applications, for stringing service or communication lines into factories, for pulling wire through conduit, and for underground electrical pulls. Leviton Pulling Grips are woven in galvanized steel for greater strength and longer life. Leviton also offers Pulling Kits that come in a vinyl mat with pockets that can be rolled and tied.



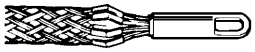
Bale Eye
Attachment flexes to follow line of pull with plastic tubing on bale.



Flexible Rope Eye
Bale has no plastic tubing for better flexibility.



Offset Flexible Eye
For easy attachment of the pulling line.



Rotating Eye
For use in changing wire rope in large cranes and derricks.

SINGLE WEAVE GRIPS

Flexible Eye, Junior Duty

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (inches)
L8500	0.25-0.36	1,700	5
L8501	0.37-0.49	1,700	7
L8502	0.50-0.61	1,700	8
L8503	0.62-0.74	2,800	10
L8504	0.75-0.99	4,100	10
L8505	1.00-1.24	4,100	12



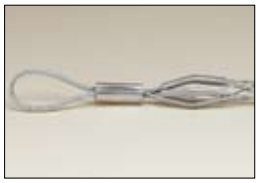
L8503
Junior Duty Series Grips are indispensable tools for electricians with small job requirements. They are used to connect insulated wire bundles to pulling tape or to pull wire rope through conduit.

Flexible Eye, Junior Duty—Kit

Kit Cat. No.	Kit includes one each of Cat. No.
L8510	L8500
	L8501
	L8502
	L8503
	L8504
	L8505

Flexible Rope Eye, Light Duty, Short

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (inches)
L8511	0.50-0.61	3,400	12
L8512	0.62-0.74	4,100	14
L8513	0.75-0.99	4,100	14
L8514	1.00-1.24	5,800	16.5
L8515	1.25-1.49	5,800	17
L8516	1.50-1.74	7,500	20
L8517	1.75-1.99	10,000	23
L8518	2.00-2.49	10,000	23
L8519	2.50-2.99	13,000	23



L8511
Light Duty Grips are the most economical pulling grips for many applications, such as industrial plant wiring, rewiring, and underground electrical pulls.

*To determine workload safety factor, divide approximate break strength by 5.

Industrial Grade

Flexible Rope Eye, Light Duty, Medium

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (inches)
L8523	0.50–0.61	3,400	16
L8524	0.62–0.74	4,100	16
L8525	0.75–0.99	4,100	20
L8526	1.00–1.24	7,500	20
L8527	1.25–1.49	7,500	22
L8528	1.50–1.99	7,500	25
L8529	2.00–2.49	10,000	26
L8530	2.50–2.9	13,000	28
L8531	3.00–3.49	16,200	30
L8532	3.50–3.99	19,400	32

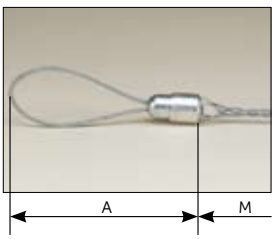
Flexible Rope Eye, Light Duty, Medium—Kit

Kit Cat. No.	Kit includes one each of Cat. No.
L8540	L8525
	L8526
	L8528
	L8529

*To determine workload safety factor, divide approximate break strength by 5.

Multi-Weave Fiber Optic Grips

Fiber Optic Pulling Grips are used for installation of fiber optic communication lines. They easily install on cables and are reusable. Applications include underground, overhead, through-conduit and/or enclosure type pulls.
Leviton fiber optic pulling grips are two-in-one reusable grips: the same tool features both a flexible eye and a swivel eye. The rounded, flexible eye attaches easily to pulling lines, and allows smoother passage through tight spaces than needle-eye designs.



L8801
Fiber Optic Grips are made to pull delicate communication and data lines that have a much smaller cable diameter.

MULTI-WEAVE FIBER OPTIC SERIES
Flexible/Swivel Eye

Cat. No.	Cable Dia. Range (inches)	Approx. Break Strength*	Length (inches) Bale (Dim. A)	Mesh (Dim. M)	Nose Dia.
L8801	.10–.20	1,000	4.75	9	.8
L8802	.21–.35	1,500	4.75	14	.8
L8803	.35–.48	2,200	5.00	18	.9
L8804	.42–.61	2,800	5.00	21	.9
L8805	.53–.74	3,300	5.00	24	1.2
L8806	.64–.87	4,700	5.00	27	1.2

*To determine workload safety factor, divide approximate break strength by 5.

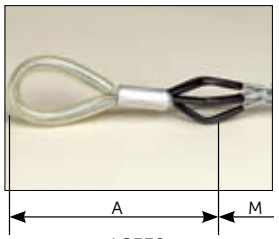
Single/Double Weave Bale Eye Grips

This series is recommended for heavy or rugged applications, and is ideally suited for overhead and underground installations. They are offered in short, standard or long mesh lengths.

SINGLE/DOUBLE WEAVE BALE EYE SERIES

Medium Duty, Short

Cat. No.	Cable Dia. Range (inches)	Nominal Grip Size	Approx. Break Strength*	Length (inches) Bale (Dim. A)	Mesh (Dim. M)	Eye Size (inches)
L8551	0.50-0.61	0.55	4,500	8	21	7/32
L8552	0.62-0.74	0.68	5,600	8	24	1/4
L8553	0.75-0.99	0.87	6,800	8	24	1/4
L8554	1.00-1.49	1.25	9,600	9	24	5/16
L8555	1.50-1.99	1.75	16,400	11	24	7/16
L8556	2.00-2.49	2.25	18,500	12	24	7/16
L8557	2.50-2.99	2.75	24,500	12	24	1/2
L8558	3.00-3.49	3.25	24,500	14	24	1/2
L8559	3.50-3.99	3.75	31,000	14	26	5/8



L8552

Medium Duty

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (inches)
L8541	0.37-0.49	2,500	12
L8542	0.50-0.74	3,400	14
L8543	0.75-0.99	5,500	18
L8544	1.00-1.24	8,100	22
L8545	1.25-1.49	8,100	24
L8546	1.50-1.99	8,100	26

Medium Duty—Kit

Kit Cat. No.	Kit includes one each of Cat. No.
L8550	L8541
	L8542
	L8543
	L8544
	L8545
	L8546


L8545
Single/Double Weave Pulling Grips are ideal for longer pull applications.

Medium Duty, Standard

Cat. No.	Cable Dia. Range (inches)	Nominal Grip Size	Approx. Break Strength*	Length (inches) Bale (Dim. A)	Mesh (Dim. M)	Eye Size (inches)
L8563	0.75-0.99	0.87	6,800	9	36	1/4
L8564	1.00-1.49	1.25	9,600	9	36	5/16
L8566	2.00-2.49	2.25	18,500	12	36	7/16
L8567	2.50-2.9	2.75	24,500	12	36	1/2
L8568	3.00-3.49	3.25	24,500	14	36	1/2
L8569	3.50-3.99	3.75	31,000	14	40	5/8

*To determine workload safety factor, divide approximate break strength by 5.

Medium Duty, Standard—KIt

Kit Cat. No.	Kit includes one each of Cat. No.
L8560	L8563
	L8564
	L8566

Heavy Duty, Long

Cat. No.	Cable Dia. Range (inches)	Nominal Grip Size	Approx. Break Strength*	Mesh Dim. M (inches)
L8572	0.75–0.99	0.87	8,100	48
L8573	1.00–1.49	1.25	11,600	48
L8574	1.50–1.99	1.75	19,400	48
L8575	2.00–2.49	2.25	19,400	48
L8576	2.50–2.99	2.75	25,900	48
L8577	3.00–3.49	3.25	25,900	48
L8578	3.50–3.99	3.75	32,400	48

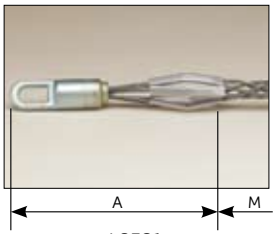
NOTE: See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.
*To determine workload safety factor, divide approximate break strength by 5.

Double Weave – Rotating Eye Grips

These grips feature a double weave of galvanized steel strands for greater strength and added mesh contact with the cable. Leviton Double Weave Pulling Grips are designed to handle longer or heavier pulling jobs such as installation of underground cables, communication lines, and service lines. Double Weave Pulling Grips have a forged steel compact rotating eye which can be attached to a swivel.

DOUBLE WEAVE, ROTATING EYE SERIES

Heavy Duty, Short



L8581

Cat. No.	Cable Dia. Range (Inches)	Nominal Grip Size	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Mesh (Dim. M)	Eye Size (Inches)
L8581	0.50-0.61	0.55	5,600	5	11	7/8
L8582	0.62-0.74	0.68	6,800	5	11	7/8
L8583	0.75-0.99	0.87	9,600	6	20	1
L8584	1.00-1.24	1.12	16,400	7	20	1 3/8
L8585	1.25-1.49	1.37	16,400	7	21	1 3/8
L8586	1.50-1.99	1.74	27,200	7	25	1 5/8
L8587	2.00-2.49	2.24	33,000	8	26	1 7/8
L8588	2.50-2.99	2.74	41,000	10	28	1 7/8
L8589	3.00-3.49	3.24	48,000	10	30	1 7/8
L8591	3.50-3.99	3.74	48,000	10	32	1 7/8
L8592	4.00-4.49	4.24	48,000	10	33	1 7/8

Heavy Duty, Standard

Cat. No.	Cable Dia. Range (Inches)	Nominal Grip Size	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Mesh (Dim. M)	Eye Size (Inches)
L8601	0.50-0.61	0.55	5,600	5	16	7/8
L8602	0.62-0.74	0.68	6,800	5	16	7/8
L8603	0.75-0.99	0.87	9,600	6	32	1
L8604	1.00-1.49	1.12	16,400	7	33	1 3/8
L8605	1.50-1.99	1.74	16,400	7	34	1 3/8
L8606	2.00-2.49	2.24	27,200	9	36	1 5/8
L8607	2.50-2.99	2.74	33,000	10	38	1 7/8
L8608	3.00-3.49	3.24	41,000	10	39	1 7/8
L8609	3.50-3.99	3.74	48,000	10	41	1 7/8
L8611	4.00-4.49	4.24	48,000	10	42	1 7/8
L8612	4.50-4.99	4.74	48,000	10	58	1 7/8
L8613	5.00-5.99	5.49	48,000	10	60	1 7/8
L8614	6.00-6.99	6.49	48,000	10	66	1 7/8

Heavy Duty, Standard—Kit

Kit Cat. No.	Kit Includes One Each of Cat. No.
L8600	L8603
	L8604
	L8605
	L8606

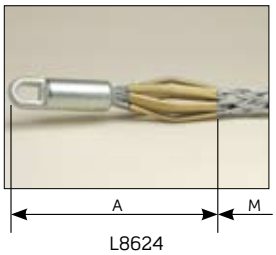
NOTE: See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.
*To determine workload safety factor, divide approximate break strength by 5.

LEVITON

Industrial Grade

Multi-Weave Grips

Leviton® Multi-Weave Pulling Grips are constructed of high strength galvanized steel strands and are designed for pulling aluminum or copper bare conductor, wire rope and insulated cables. These grips are used in applications such as distribution line stringing and overhead transmission. Multi-Weave Pulling Grips are available with a flexible or rotating eye which can be attached to a swivel. The forged steel flexible eye will thread through sheaves and blocks without binding, but is not a swivel and will not turn under tension. The rotating eye can turn to relieve pulling torque when tension is relaxed.

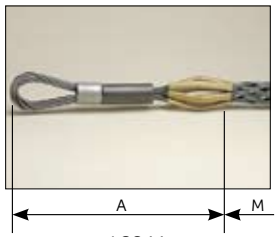


L8624

MULTI-WEAVE SERIES

Rotating Eye

Cat. No.	Cable Dia. Range (Inches)	Nominal Grip Size	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)	Color Code	Eye Size (Inches)
L8621	0.25–0.49	3/8	6,800	5	26	Dk. Green	7/8
L8622	0.50–0.74	5/8	10,000	6	32	Brown	1
L8623	0.75–0.99	7/8	14,400	6	41	Lt. Blue	1
L8624	1.00–1.24	1 1/8	24,600	8	52	Gold	1 3/8
L8625	1.25–1.49	1 3/8	30,600	8	56	Black	1 5/8
L8626	1.50–1.74	1 5/8	30,600	9	60	Red	1 7/8
L8627	1.75–1.99	2	48,000	10	70	Dk. Blue	1 7/8
L8628	2.00–2.49	2 1/4	48,000	10	50	Yellow	1 7/8
L8629	2.50–2.99	2 3/4	48,000	10	52	Orange	1 7/8
L8631	3.00–3.49	3 3/4	48,000	10	54	Alum.	1 7/8
L8632	3.50–3.99	3 3/4	48,000	10	56	Lt. Green	1 7/8



L8644

Flexible Eye

Cat. No.	Cable Dia. Range (Inches)	Nominal Grip Size	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)	Color Code	Eye Size (Inches)
L8641	0.25–0.49	3/8	6,800	9	26	Dk. Green	1/4
L8642	0.50–0.74	5/8	10,000	9	32	Brown	5/16
L8643	0.75–0.99	7/8	14,400	11	41	Lt. Blue	3/8
L8644	1.00–1.24	1 1/8	24,600	12	52	Gold	1/2
L8645	1.25–1.49	1 3/8	30,600	12	56	Black	1/2
L8646	1.50–1.74	1 5/8	30,600	12	60	Red	1/2
L8647	1.75–1.99	2	48,000	15	70	Dk. Blue	5/8
L8648	2.00–2.49	2 1/4	48,000	18	50	Yellow	5/8
L8649	2.50–2.99	2 3/4	48,000	18	52	Orange	5/8
L8651	3.00–3.49	3 1/4	48,000	18	54	Alum.	5/8
L8652	3.50–3.99	3 3/4	48,000	18	56	Lt. Green	5/8

NOTE: It is recommended that a swivel be used for release of torque during a pull. Use a connecting link when a swivel is not needed. Do not run grips or swivels over bullwheels while under tension. Do not use Multi-Weave for pulling rope. When higher loads are required, use Leviton's high strength-style pulling grips. See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.
*To determine workload safety factor, divide approximate break strength by 5.

High Strength Grips

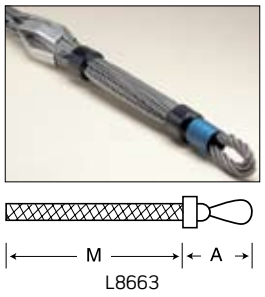
High Strength Pulling Grips are designed for situations where load and safety considerations require an extra high strength grip. They are most commonly used for attaching pulling lines to conductors, conductors to running boards, and conductor-to-conductor connections. These grips can be used for pulling bare or insulated conductor, wire rope or synthetic rope. A feed tube is used when assembling synthetic rope[1] into the High Strength Pulling Grip and is required on the two largest grip sizes.

HIGH-STRENGTH SERIES

Multi-weave Flexible Eye

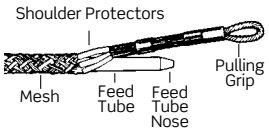
Cat. No.	Grip Range O. D. (Inches) Rope 1	Conductor	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Mesh (Dim. M)	Color Code	Flexible Eye Size (inches)
L8661	0.50–0.90	0.38–0.62	14,000	13	26	Dk. Green	.375
L8660	0.25–0.65	0.19–0.37	6,500	10	24	Black	.218
L8662	0.75–1.10	0.63–0.87	20,000	14	48	Red	.437
L8663	1.00–1.50	0.88–1.12	30,600	15	60	Dk. Blue	.500
L8664	1.25–1.70	1.13–1.37	46,800	18	76	Yellow	.625
L8665	1.50–2.10	1.38–1.90	66,500	24	89	Aluminum	.750

[1]For rope, select smallest size grip which meets required workload.
*To determine workload safety factor, divide approximate break strength by 5.



Recommended Rope Assembly Using High Strength Feed Tube

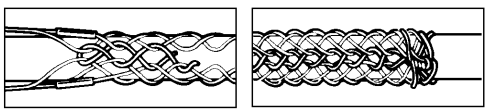
1) Insert feed tube into High Strength Pulling Grip
2) Insert rope end fully into feed tube
3) Hold rope in feed tube by pinning rope to the ground with end of tube. Pull mesh down onto feed so feed tube nose is protruding through shoulder protectors as shown
4) Push mesh to end of feed tube and pull feed tube through mesh. When tube is pulled, the mesh gripping action will hold rope in place
5) Position rope so that its end is inside the shoulder protectors. Remove slack from mesh by smoothing mesh tight to rope
6) Apply clamps to mesh end



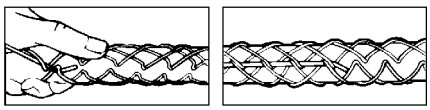
Split-Lace/Split-Rod Attachments (for use where end of cable is not accessible—applies to slack grips only)

Beginning at the end of the grip closest to the bale fitting, thread the lacing through the first two loops of the split, pulling the lace through until the ends are centered evenly. Cross the laces and thread them through the next two loops, and so on down the grip, being careful not to pull the lacing too tight. Spacing of the laced closure should be approximately the same as the mesh weave. When the end of grip is reached, twist the lacing strands tightly together, wrapping the ends of the lace around the grip, and twisting again to secure. Excess length may be cut off. Split grips with rod closing are economical, since they are quickly installed, and are reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out, and the grip is ready for re-use.

Split-Lace



Split-Rod



LEVITON

Industrial Grade

Slack Grips

Slack Grips are reusable grips used for pulling slack in underground cable preparatory to final placement. They may also be used for cable removal. Slack Grips feature an offset eye for easy attachment to the pulling line.



L8671

SLACK GRIPS SERIES

Closed Mesh, Double Weave, Offset Eye, Heavy Duty, Medium

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (Inches)
L8671	0.75–0.99	3,000	13
L8672	1.00–1.24	4,200	16
L8673	1.25–1.49	5,500	17
L8674	1.50–1.74	7,400	18
L8675	1.75–1.99	11,000	19
L8676	2.00–2.49	11,000	20
L8677	2.50–2.99	11,000	21
L8678	3.00–3.49	16,000	22
L8679	3.50–3.99	16,000	23

Closed Mesh, Double Weave, Offset Eye, Heavy Duty, Long

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (Inches)
L8681	0.75–0.99	3,000	21
L8682	1.00–1.24	5,500	21
L8683	1.25–1.49	5,500	24
L8684	1.50–1.99	7,400	26
L8685	2.00–2.49	11,000	27
L8686	2.50–2.99	11,000	30
L8687	3.00–3.49	16,000	33
L8688	3.50–3.99	16,000	36

Split Lace, Double Weave, Offset Eye, Heavy Duty, Medium

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (Inches)
L8691	0.75–0.99	3,000	13
L8692	1.00–1.24	4,100	16
L8693	1.25–1.49	4,100	17
L8694	1.50–1.74	5,500	18
L8695	1.75–1.99	7,300	19
L8696	2.00–2.49	7,300	20
L8697	2.50–2.99	7,300	21
L8698	3.00–3.49	9,200	22
L8699	3.50–3.99	11,000	23



L8703

Split Lace, Double Weave, Offset Eye, Heavy Duty, Long

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (Inches)
L8701	0.75–0.99	3,000	21
L8702	1.00–1.24	4,100	21
L8703	1.25–1.49	4,100	24
L8704	1.50–1.99	5,500	25

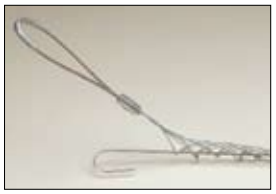
*To determine workload safety factor, divide approximate break strength by 5.

Cat. No.	Cable Dia. Range (inches)	Approximate Break Strength*	Mesh Length (Inches)
L8705	2.00-2.49	7,300	27
L8706	2.50-2.99	7,300	30
L8707	3.00-3.49	9,200	33

Split Rod, Single Weave, Offset Eye, Heavy Duty, Medium

Cat. No.	Cable Dia. Range (Inches)	Approximate Break Strength*	Mesh Length (Inches)
L8711	0.50-0.61	1,800	7
L8712	0.62-0.74	1,900	9
L8713	0.75-0.99	3,000	11
L8714	1.00-1.24	4,100	12
L8715	1.25-1.49	5,700	14
L8716	1.50-1.74	5,800	16
L8717	1.75-1.99	7,700	17
L8718	2.00-2.49	9,300	20
L8719	2.50-2.99	11,300	21
L8721	3.00-3.49	15,100	22
L8722	3.50-3.99	15,100	25

*To determine workload safety factor, divide approximate break strength by 5.



L8711

Strain-Relief Grips

Strain-Relief Grips are used to connect cord or cable to electrical enclosures and equipment. These grips prevent pullout due to tension and limit the arc of bend at the point of entry; strain is distributed over the length of mesh rather than concentrated at one point or transferred to the internal termination.

Wide-Range Grips

Wide-Range Grips are recommended for use in the wiring of enclosures, power boxes, machine tools, and power centers. They include an insulated bushing (dust-tight).

SINGLE WEAVE GALVANIZED STEEL MESH

Cat. No.	Cable Dia. Range (Inches)	NPT Size (Inches)	Mesh Length @ Nominal Dia. (Inches)	Minimum Distance Between Grips (Inches)
L7501	0.22-0.32	1/2	4	1 1/4
L7502	0.30-0.43	1/2	4 1/2	1 1/4
L7503	0.40-0.54	1/2	5 1/2	1 1/4
L7504	0.52-0.73	3/4	5 1/2	1 1/2
L7505	0.70-0.97	1	8	1 7/8
L7506	0.94-1.25	1 1/4	9	2 3/8
L7507	1.20-1.50	1 1/2	11	2 5/8
L7508	1.40-1.75	2	13	3 1/4
L7509	1.62-2.00	2 1/2	13 1/2	3 5/8
L7511	2.00-2.45	2 1/2	13 1/2	3 5/8



L7504
Galva. Steel mesh

LEVITON

Industrial Grade

Cord Sealing Grips *

Cord Sealing Grips with Mesh are nylon devices used to connect electrical cables to boxes, cabinets, pushbuttons, enclosures, etc. They are liquid-tight devices that are highly resistant to impact and corrosion. Non-metallic cord sealing grips will not support combustion. The ratings are: Wire Mesh Grip-94 HB and Fitting-94V-2.
Cord Sealing Grip products are suitable for use in wet locations so long as a listed sealing ring is used between the box and the fitting (sealing ring not included).



L7521
Straight—SS mesh



L7527
90°—SS mesh



L7553
Straight—nylon mesh

NYLON CORD SEALING GRIPS WITH MESH—STRAIGHT AND 90°

Cat. No. Stainless Steel Mesh		Cat. No. Non-Metallic Mesh		Cable Dia. Range	NPT (Form
Straight	90°	Straight	90°	(Inches)	Size)
L7521	—	L7522	L7524	.187-.250	1/2"
—	L7527	—	L7528	.250-.312	1/2"
—	L7532	—	L7533	.312-.375	1/2"
—	L7536	—	—	.375-.437	1/2" (F2)
L7538	L7541	L7539	L7542	.437-.500	1/2"
L7543[1]	L7544[1]	—	—	.500-.562	1/2"
L7545[1]	L7546[1]	—	—	.562-.625	1/2"
L7601	—	L7602	L7604	.187-.250	3/4"
L7605	—	—	—	.250-.375	3/4"
—	L7612	—	—	.375-.437	3/4"
—	—	—	L7551	.437-.562	3/4"
L7552	L7554	L7553	L7555	.500-.625	3/4" (F3)
L7556	—	—	L7559	.562-.687	3/4"
L7561	L7563	L7562	—	.625-.750	3/4"
L7565[1]	L7566[1]	—	—	.687-.812	3/4"
L7567	—	L7568	L7569	.437-.562	1"
—	L7573	—	L7574	.500-.625	1"
—	L7582	—	L7583	.625-.750	1"
L7584	—	—	L7587	.687-.812	1" (F4)
L7588	—	—	L7592	.750-.875	1"
L7597	—	—	—	.875-1.000	1"

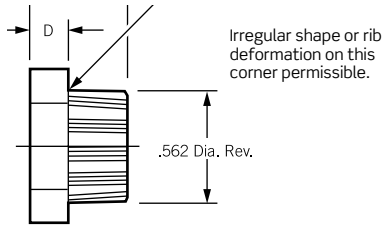
[1]Cable jacket may have to be stripped for clearance. NOTE: F2, F3 and F4 are fitting form sizes.
*Cord Sealing Grips with non-metallic mesh are UL Listed and CSA Certified. Cord Sealing Grips with stainless steel mesh are CSA Certified only.

STRAIN-RELIEF GRIPS—DIMENSIONS

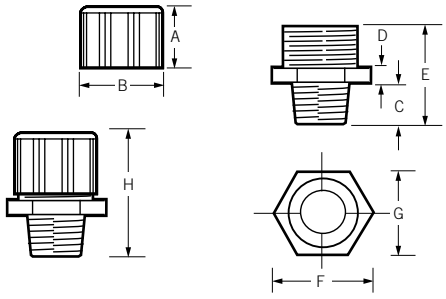
Dimensions for Nylon Cord-Sealing Fittings, Straight Body

Form	NPT	A	B	C	D	E	F	G	H (Ref.)
0	1/4"	.500	.778	.370	.187	.921	.778	.687	1.25
1	3/8"	1.000	1.150	.500	.250	1.250	1.115	1.000	1.85
2	1/2"	1.000	1.300	.500	.300	1.450	1.250	1.100	2.00
3	3/4"	1.000	1.500	.550	.375	1.700	1.578	1.375	2.00
4	1"	1.000	1.850	.687	.375	1.800	1.900	1.650	2.12
5	1 1/4"	1.000	2.050	.687	.375	1.800	2.100	1.850	2.12

Form 0

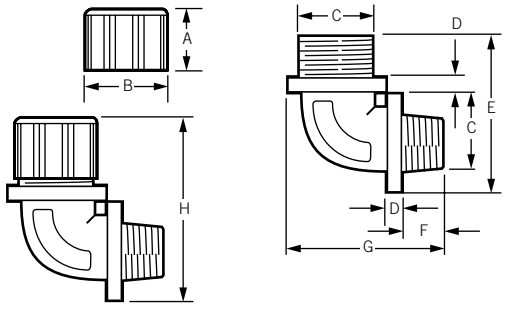


Forms 1–5



Dimensions for Nylon Cord-Sealing Fittings, 90° Body

Form	NPT	A	B	C	D	E	F	G	H (Ref.)
1	3/8"	1.000	1.150	1.100	.187	1.812	.450	1.687	2.35
2	1/2"	1.000	1.300	1.165	.187	1.900	.578	1.820	2.40
3	3/4"	1.000	1.500	1.600	.187	2.421	.593	2.218	2.75
4	1"	1.000	1.850	1.850	.187	2.656	.800	2.700	3.00
5	1 1/4"	1.000	2.050	1.965	.187	2.859	.750	2.812	3.25



LEVITON

Industrial Grade

Deluxe Cord Grips

Deluxe Cord Grips are woven of stainless steel mesh with an anodized aluminum body for corrosion resistance. They are offered in Single/Double Weave construction to help absorb direct pull, resist flexing and binding, and eliminate strain. Aluminum fittings are offered in a variety of NPT thread sizes. They are recommended for indoor or outdoor use where moisture may be present in the wiring of pendant stations, processing equipment, hand tools, and extension cord sets. They are UL Listed and CSA Certified. Deluxe Cord Grips are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 and 2; and Class III, Div. 1 and 2. They are also suitable for use in wet locations as long as a listed sealing ring is used between the box and the fitting (not included).



L7701
Straight—Male



L7761
90°—Male



L7802
45°—Male

SINGLE/DOUBLE WEAVE

Cat. No. Straight Male	Cat. No. 90° Male	Cat. No. 45° Male	Cat. No. Straight Female	Cable. Dia. Range (Inches)	NPT Size
L7701	—	—	—	.187-.250	3/8"
L7702	—	—	—	.250-.312	3/8"
L7703	—	—	L7822	.312-.375	3/8"
L7704	—	—	—	.375-.437	3/8"
L7705	L7761	—	—	.187-.250	1/2"
L7706	—	L7802	—	.250-.375	1/2"
L7707	L7763	L7803	L7826	.375-.500	1/2"
L7708	L7764	L7804	L7827	.500-.625	1/2"
L7709	—	—	—	.625-.750	1/2"
L7711	L7765	L7805	—	.250-.375	3/4"
L7712	—	L7806	—	.375-.500	3/4"
L7700	L7767	L7807	L7831	.500-.625	3/4"
L7713	L7768	L7808	—	.625-.750	1"
L7714	—	—	—	.750-.875	1"
L7715	L7769	—	—	.437-.562	1"
L7716	—	—	L7833	.562-.687	1"
L7717	L7772	—	L7834	.625-.750	1"
L7718	—	—	—	.750-.875	1"
L7719	—	—	L7836	.875-1.000	1"
L7721	—	—	—	1.000-1.125	1"
L7722	—	—	—	1.125-1.250	1"
L7723	—	—	—	.750-.875	1 1/4"

Cat. No. Straight Male	Cat. No. 90° Male	Cat. No. 45° Male	Cable. Dia. Range (Inches)	NPT Size
L7724	—	—	.875-1.000	
L7725	—	L7810	1.000-1.125	1 1/4"
L7726	L7778		1.125-1.250	
L7727	—	L7820	1.250-1.375	
L7728	L7781	—	.750-.875	
L7729	L7782	—	.875-1.000	
L7731	—	—	1.000-1.125	1 1/2"
L7732	L7784	—	1.125-1.250	
L7733	L7785	—	1.250-1.375	
L8011	—	—	1.312-1.437	
L7770	—	—	1.437-1.562	
L7750	—	—	1.562-1.687	
L7760	—	—	1.687-1.812	
L7734	—	—	1.250-1.375	
L7736	—	—	1.500-1.625	2"
L7737	L7789	—	1.625-1.750	
—	L7791	—	1.750-1.875	
L7730	—	—	2.187-2.312	
L7739	—	—	1.75-1.875	
L7742	—	—	1.937-2.062	2 1/2"
L7743	—	—	2.062-2.187	
L7744	—	—	2.187-2.312	
L7745	—	—	1.688-1.812	3"
L7746	—	—	1.812-1.937	
L7747	—	—	1.937-2.062	
L7748	—	—	2.062-2.187	
L7751	—	—	2.312-2.437	
L7752	—	—	2.437-2.625	
L7754	—	—	2.812-3.000	
L7755	—	—	3.000-3.250	

Industrial Grade

Liquid-Tight Grips

Liquid-Tight Grips are woven stainless steel mesh with an anodized aluminum body for corrosion-resistance. They are used to connect liquid-tight flexible metal conduit to electrical enclosures to prevent conduit pullout. Each fitting is supplied with an insulated throat to ensure conductor insulation and protect against damage caused by flexing, heat expansion or contraction. Liquid-Tight Grips are recommended in the wiring of motors and any electrical enclosure where liquid-tight conduit is subject to motion or strain. UL Listed and CSA Certified.



L7902 Straight—Male



L7922 90°—Male



L7951 Straight—Female



L7990 90°—Male



L7965 Straight—Male

LIQUID-TIGHT GRIPS

Cat. No. Straight Male	Cat. No. 90° Male	Cat. No. 45° Male	Cat. No. Straight Female	Fitting Size (Inches)	Mesh Length (Inches)
—	—	L7931	L7951	3/8	2 5/8
L7902	L7916	L7932	—	1/2	3 7/8
L7903	L7917	—	L7953	3/4	4 3/8
L7904	L7918	—	L7954	1	5 1/4
L7905	L7919	—	—	1 1/4	5 5/8
L7906	L7921	—	—	1 1/2	5 3/4
L7907	L7922	—	—	2	7 1/2
L7908	—	—	—	2 1/2	9 5/8
L7911	L7924	L7939	—	3	10 5/8
L7912	—	—	—	4	12

for Non-Metallic Type "A" Flexible Conduit

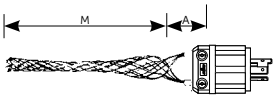
Cat. No. Straight Male	Cat. No. 90° Male	Fitting Size (Inches)	Mesh Length (Inches)
—	L7999	3/8	9
L7962	L7990	1/2	10
—	L7967	3/4	10 1/2
—	L7968	1	12
L7965	L7969	1 1/4	17
—	L7971	1 1/2	21 1/2
L7970	L7972	2	24

Connection Wire Mesh Grips

Connection Wire Mesh Grips provide additional strain-relief for plugs and connectors used on portable equipment in commercial and institutional applications, and industrial plant and construction site areas which incur abnormally high abuse. Grips are made of galvanized steel.



L8003

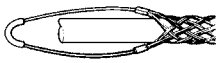


CONNECTION WIRE MESH GRIPS

Cat No.	Cable Dia. Range (Inches)	Eye Dimensions (A) (Inches)	Mesh Length (M) (inches)
L8001	.30-.43	1 11/16	4 3/4
L8002	.40-.56	1 11/16	6
L8003	.52-.73	1 11/16	7
L8004	.70-.85	1 15/16	8 1/2
L8005	.82-1.00	1 15/16	8 1/2
L8006	.94-1.25	1 15/16	10 1/2

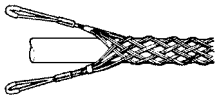
Support Grips

Support Grips are designed to hold the weight of cable on vertical or sloping runs. They may be used indoors or outdoors to support electrical and fiber optic cable, metal rods and tubing. Leviton® Support Grips are woven with tinned bronze wire. For applications requiring a greater degree of corrosion resistance, stainless steel wire is available on special order.



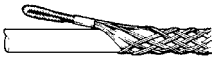
SINGLE "U" EYE

For use when cable is vertical and for applications where cable bends or where a single attachment is more advantageous for positioning.



DOUBLE "U" EYE

For use when cable is vertical and extends through the grip without bending. Eyes may be fastened to open hooks, but should not be more than 15° from the axis of vertical cable. When eyes are supported equally, this attachment offers a fully balanced load.



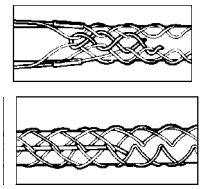
OFFSET EYE

Similar to single eye applications, but for use when offset positioning is required.



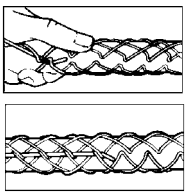
LOCKING (UNIVERSAL) BALE

Adjustable and self-locking, this attachment fits around a beam, pipe or other continuous structural object. The bale wraps around the object and is securely anchored in the bar.



SPLIT LACE

Beginning at the lead end of the grip, thread the lacing through the first two loops of the split, pulling the lace through until the ends are centered evenly. Cross laces and thread through the next two loops, and so on down the grip, being careful not to pull the lacing too tight. The spacing of the lace closure should be approximately the same as that of the mesh weave. When the end of grip is reached, twist the lacing strands tightly together; wrap the ends of the lace around the grip and twist again to secure. Excess length may be cut off.



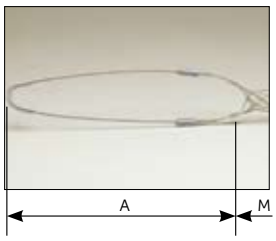
SPLIT ROD

Split grips with rod closing install quickly and they are economical and reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out, and the grip is ready for re-use.

Industrial Grade

Support Grips—Standard Closed Mesh

Standard Closed Mesh Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. Heavy-duty closed mesh support grips are designed for loads in excess of 500 lbs. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Closed mesh support grips are used when the end of the cable is accessible. Mesh is made of tinned bronze material.

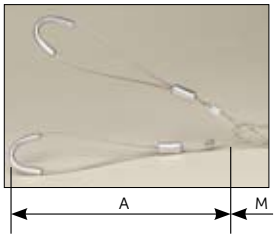


L9502
Single Eye

STANDARD CLOSED MESH SERIES

Single Eye, Single Weave

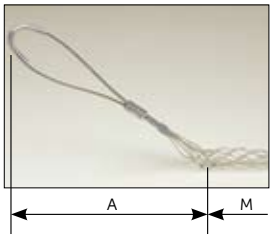
Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9501	0.50-0.61	770	7	10
L9502	0.62-0.74	960	8	10
L9503	0.75-0.99	1,300	8	12
L9504	1.00-1.24	1,680	9	12
L9505	1.25-1.49	1,680	10	16
L9506	1.50-1.74	1,680	12	17
L9507	1.75-1.99	2,640	14	18
L9508	2.00-2.49	3,760	16	18
L9509	2.50-2.99	3,760	18	21
L9511	3.00-3.49	5,040	21	26
L9512	3.50-3.99	5,040	24	28



L9515
Double Eye

Double Eye, Single Weave

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9515	0.50-0.61	770	4	11
L9516	0.62-0.74	1,150	4	11
L9517	0.75-0.99	1,320	4	14
L9518	1.00-1.24	1,920	5	15
L9519	1.25-1.49	1,920	5	16
L9521	1.50-1.74	1,920	6	18
L9523	1.75-1.99	3,360	6	20
L9524	2.00-2.49	3,360	6	22
L9525	2.50-2.99	3,360	6	24
L9526	3.00-3.49	5,280	8	26
L9527	3.50-3.99	5,280	8	28



L9531
Offset Eye

Offset Eye, Single Weave

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9531	0.50-0.61	770	4	11
L9532	0.62-0.74	960	4	11
L9533	0.75-0.99	960	4	14
L9534	1.00-1.24	1,680	5	15
L9535	1.25-1.49	1,680	5	16
L9536	1.50-1.74	1,680	5	18
L9537	1.75-1.99	2,640	6	20
L9538	2.00-2.49	3,760	6	21
L9539	2.50-2.99	3,760	8	24
L9541	3.00-3.49	5,040	9	26
L9542	3.50-3.99	5,040	9	28

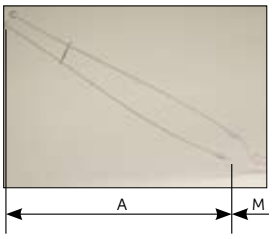
NOTE: Support grips are also available in stainless steel—contact your Leviton Representative.
*To determine workload safety factor, divide approximate break strength by 10.

SUPPORT GRIPS—STANDARD CLOSED MESH

Locking Bale, Single Weave

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9551	0.50–0.61	770	11	10
L9552	0.62–0.74	1,150	11	10
L9553	0.75–0.99	1,320	14	12
L9554	1.00–1.24	1,920	15	12
L9555	1.25–1.49	1,920	16	13
L9556	1.50–1.74	1,920	18	17
L9557	1.75–1.99	3,150	20	18
L9558	2.00–2.49	3,360	21	18
L9559	2.50–2.99	3,360	24	21
L9561	3.00–3.49	5,280	26	23
L9562	3.50–3.99	5,280	28	23.5

*To determine workload safety factor, divide approximate break strength by 10.



L9551
Locking Bale

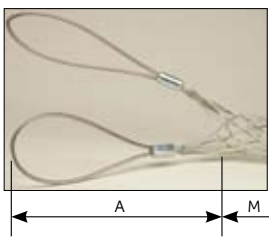
Support Grips—Heavy Duty

Heavy Duty Support Grips handle continuous loads of over 500 lbs. in vertical runs greater than 100 ft. for cable diameters from 3/4" to 4 1/2".

DOUBLE WEAVE - CLOSED MESH SERIES

Single Eye, Heavy Long

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9701	0.75–0.99	2,700	10	26
L9702	1.00–1.24	4,720	10	29
L9703	1.25–1.49	4,720	10	31
L9704	1.50–1.99	4,720	10	35



L9715
Double Eye

Double Eye, Heavy Long

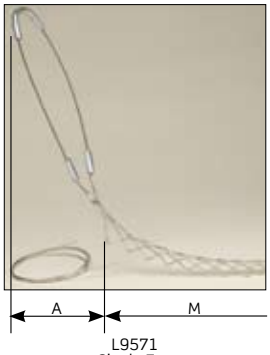
Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9711	0.75–0.99	2,700	10	26
L9712	1.00–1.25	4,720	10	29
L9713	1.25–1.49	4,720	10	31
L9714	1.50–1.99	4,720	10	35
L9715	2.00–2.49	10,080	10	37
L9716	2.50–2.99	10,080	10	39
L9717	3.00–3.49	10,080	10	41
L9718	3.50–3.99	13,120	10	45
L9719	4.00–4.49	13,120	10	47

*To determine workload safety factor, divide approximate break strength by 10.

Industrial Grade

Support Grips—Standard Split Lace

Split Lace Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Split lace grips are utilized when the end of the cable cannot be feasibly accessed and the support grip is intended for permanent installation. Mesh is made of tinned bronze material.



L9571
Single Eye

SINGLE WEAVE SERIES

Single Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9571	0.50-0.61	770	7	11
L9572	0.62-0.74	960	8	11
L9573	0.75-0.99	1,320	8	14
L9574	1.00-1.24	1,680	9	15
L9575	1.25-1.49	1,680	10	16
L9576	1.50-1.74	1,680	12	18
L9577	1.75-1.99	2,640	14	20
L9578	2.00-2.49	3,760	16	22
L9579	2.50-2.99	3,760	18	24
L9581	3.00-3.49	5,040	21	26
L9582	3.50-3.99	5,040	24	28



L9585
Double Eye

Double Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9585	0.50-0.61	770	4	11
L9586	0.62-0.74	1,150	4	11
L9587	0.75-0.99	1,320	4	14
L9588	1.00-1.24	1,920	5	15
L9589	1.25-1.49	1,920	5	16
L9591	1.50-1.74	1,920	5	18
L9592	1.75-1.99	3,150	6	20
L9593	2.00-2.49	3,360	6	22
L9594	2.50-2.99	3,360	6	24
L9595	3.00-3.49	5,280	8	26
L9596	3.50-3.99	5,280	8	28



L9601
Offset Eye

Offset Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9601	0.50-0.61	770	4	11
L9602	0.62-0.74	960	4	11
L9603	0.75-0.99	960	4	14
L9604	1.00-1.24	1,680	5	15
L9605	1.25-1.49	1,680	5	16
L9606	1.50-1.74	1,680	5	18
L9607	1.75-1.99	2,640	8	20
L9608	2.00-2.49	3,760	8	22
L9609	2.50-2.99	3,760	8	24
L9611	3.00-3.49	5,040	9	26
L9612	3.50-3.99	5,040	9	28

Note: Support grips are also available in stainless steel—contact your Leviton Representative.
*To determine workload safety factor, divide approximate break strength by 10.

SUPPORT GRIPS—STANDARD SPLIT LACE

Locking Bale

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9621	0.50–0.61	770	18	11
L9622	0.62–0.74	1,150	18	11
L9623	0.75–0.99	1,320	18	14
L9624	1.00–1.24	1,920	18	15
L9625	1.25–1.49	1,920	18	16
L9627	1.75–1.99	3,150	18	20
L9628	2.00–2.49	3,360	18	22
L9629	2.50–2.99	3,360	18	24

*To determine workload safety factor, divide approximate break strength by 10.



L9621
Locking Bale

Support Grips—Heavy Duty Split Lace

Heavy Duty Support Grips handle continuous loads of over 500 lbs. in vertical runs greater than 100 ft. for cable diameters from 3/4" to 4 1/2".

DOUBLE WEAVE SERIES

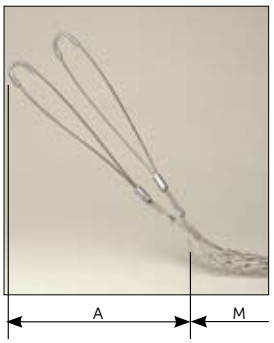
Single Eye, Heavy Long

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9722	0.75–0.99	2,700	10	26
L9723	1.00–1.24	4,720	10	29
L9724	1.25–1.49	4,720	10	31
L9725	1.50–1.99	4,720	10	35

Double Eye, Heavy Long

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Mesh (Dim. M)
L9731	0.75–0.99	2,700	10	26
L9732	1.00–1.24	4,720	10	29
L9733	1.25–1.49	4,720	10	31
L9734	1.50–1.99	4,720	10	35
L9735	2.00–2.49	10,080	10	37
L9736	2.50–2.99	10,080	10	39
L9737	3.00–3.49	10,080	10	41
L9738	3.50–3.99	13,120	10	45
L9739	4.00–4.49	13,120	10	47

*To determine workload safety factor, divide approximate break strength by 10.



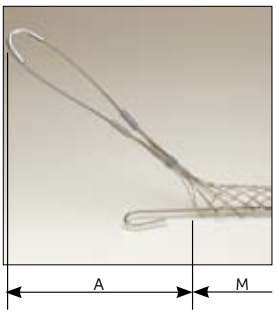
L9731
Double Eye

Industrial Grade

Support Grips—Standard Split Rod

Split Rod Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Split rod support grips are utilized when the end of the cable cannot be feasibly accessed and the installation is temporary.

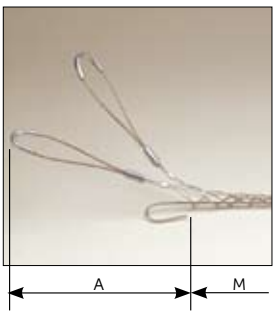
SINGLE WEAVE SERIES



L9632
Single Eye

Single Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9631	0.50-0.61	770	7	9
L9632	0.62-0.74	960	8	9
L9633	0.75-0.99	1,320	8	11
L9634	1.00-1.24	1,680	9	13
L9635	1.25-1.49	1,680	10	15
L9636	1.50-1.74	1,680	12	16
L9637	1.75-1.99	2,640	14	17
L9638	2.00-2.49	3,760	16	20
L9639	2.50-2.99	3,760	18	22
L9641	3.00-3.49	6,560	21	24
L9642	3.50-3.99	6,560	24	26



L9651
Double Eye

Double Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9651	0.50-0.61	770	4	9
L9652	0.62-0.74	1,150	4	9
L9653	0.75-0.99	1,320	4	11
L9654	1.00-1.24	1,920	5	13
L9655	1.25-1.49	1,920	5	15
L9656	1.50-1.74	1,920	5	16
L9657	1.75-1.99	3,150	6	17
L9658	2.00-2.49	3,360	6	20
L9659	2.50-2.99	3,360	6	22
L9661	3.00-3.49	7,520	8	24
L9662	3.50-3.99	7,520	8	26



L9671
Offset Eye

Offset Eye

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9671	0.50-0.61	770	4	9
L9672	0.62-0.74	960	4	9
L9673	0.75-0.99	960	4	11
L9674	1.00-1.24	1,680	5	13
L9675	1.25-1.49	1,680	5	15
L9676	1.50-1.74	1,680	5	16
L9677	1.75-1.99	2,640	6	17
L9678	2.00-2.49	3,760	6	20
L9679	2.50-2.99	3,760	6	22
L9681	3.00-3.49	5,040	8	24
L9682	3.50-3.99	5,040	8	26

*To determine workload safety factor, divide approximate break strength by 10.

SUPPORT GRIPS - STANDARD SPLIT ROD - SINGLE WEAVE SERIES

Locking Bale

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L9688	0.50–0.61	770	10	9
L9689	0.62–0.74	1,150	10	9
L9691	0.75–0.99	1,320	10	11
L9692	1.00–1.24	1,920	14	13
L9693	1.25–1.49	1,920	14	15
L9694	1.50–1.74	1,920	14	16
L9695	1.75–1.99	3,150	14	17
L9696	2.00–2.49	3,360	18	20
L9697	2.50–2.99	3,360	18	22
L9698	3.00–3.49	7,520	18	24
L9699	3.50–3.99	7,520	18	26

*To determine workload safety factor, divide approximate break strength by 10.



L9689
Locking Bale

Support Grips—Bus-Drop

Bus-Drop Grips are used as cable support. They relieve any direct tension from the critical connection and absorb vibration and flexing. Bus-Drop Grips are woven of galvanized steel wire. They are offered with either locking bale or single eye attachments.

LOCKING BALE & SINGLE EYE

Cat. No. Single "U" Eye	Cat. No. Locking Bale	Cable Dia. Range (Inches)	Approx. Break Strength*
L7981	—	.220–.320	1,100
L7982	—	.300–.430	1,100
L7983	L7992	.410–.560	1,100
L7984	L7993	.530–.730	1,100
L7985	L7994	.700–.850	1,900
L7986	L7995	.820–1.00	1,900
L7987	—	.960–1.25	1,900


L7984
Single "U" Eye


L7992
Locking Bale

Support Grips—Bus-Drop Accessories

Safety Springs are used with Bus-Drop Grips to relieve sudden strains on the cable system. To use with single eye-type grips, disassemble drawbar from coil, place through the eye and replace the drawbar.

SAFETY SPRINGS

Description	Cat. No.	Length (Inches)
Zinc Plated Max. Load 40 Lbs.	L7997	7.50
Zinc Plated Max. Load 80 Lbs.	L7998	8.50


L7998
Safety Spring

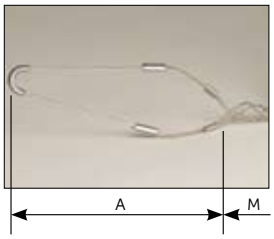
LEVITON

Industrial Grade

Support Grips—Fiber Optic Grips

All Leviton® Fiber Optic Support Grips are designed to wrap securely around fiber optic cable without damaging it. They are designed to reduce stress on cable in vertical, sloping, or horizontal positions. Single-eye or locking-bale style grips afford lasting support for a wide variety of applications where fiber optic cable is used.

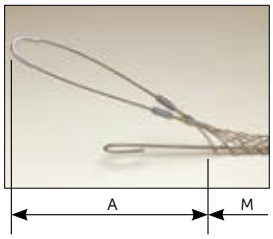
FIBER OPTIC - SINGLE WEAVE SERIES



L8807
Single Eye—closed mesh

Single Eye, Closed Mesh

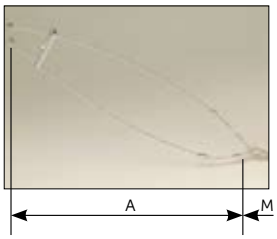
Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L8807	.18–.25	300	3	1.7
L8808	.23–.32	300	3	2.5
L8809	.30–.39	300	4	2.5
L8811	.37–.48	300	5	4
L8812	.46–.58	400	6	4
L8813	.56–.71	600	7	5.5
L8814	.69–.88	800	8	6



L8821
Single Eye—split rod

Single Eye, Split Rod

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L8815	.18–.25	300	3	2.5
L8816	.23–.32	300	3	2.5
L8817	.30–.39	300	4	2.5
L8818	.37–.48	300	5	4
L8819	.46–.58	400	6	5
L8821	.56–.71	600	7	5
L8822	.69–.88	800	8	6



L8823
Locking Bale

Locking Bale, Closed Mesh

Cat. No.	Cable Dia. Range (Inches)	Approx. Break Strength*	Length (Inches) Bale (Dim. A)	Length (Inches) Mesh (Dim. M)
L8823	.18–.25	300	9	2.5
L8824	.23–.36	300	9	2
L8825	.30–.39	300	9	2.5
L8826	.37–.48	300	10	4
L8827	.46–.58	400	10	4
L8828	.56–.71	600	10	5.5
L8829	.69–.88	800	10	6

*To determine workload safety factor, divide approximate break strength by 10.



Technical Information

INDEX

List of Abbreviations 784
National Electrical Code
(NEC) Requirements 785
Associations, Organizations & Standards 786
Certification Agencies & Markings 787
UL, CSA & NEMA Standards 788
Glossary 790
Switches, Dimmers, Receptacles, GFCIs 794
Enclosure Designations & Classifications 796
Materials Used In Wiring Devices 800
ANSI Architectural Symbols 801
NEMA Configurations, Horsepower Ratings &
Wiring Diagrams 802
Diameter Ranges of Jacketed Cords 811
Wallplate Dimensions 812
Telephone and Wiring Devices
Codes & Standards 814
Wire Color Codes & Jack Pin Designations 815
FAQs 816
Warranty Information 820
International Electricity Guide 822

INDUSTRY STANDARDS, RELEVANT DEFINITIONS, PERTINENT PRODUCT DATA, REPRESENTATIVE DIMENSIONAL DRAWINGS AND GENERAL PRODUCT REFERENCES ARE INCLUDED IN THIS SECTION.

List of Abbreviations used in Leviton Catalogs

ANSI — American National Standards Institute, Inc.
25 West 43rd St., New York, NY 10036
www.ansi.org
An independent organization that identifies industrial and public requirements for national consensus standards and coordinates and manages their development, resolves national standards problems, and ensures effective participation in international standardization. Various U.S. Government Agencies often adopt ANSI Standards. For example, the Department of Defense has made mandatory the use of ANSI Standard Y32.9-1972, "Graphic Symbols for Electrical Wiring and Layout Diagrams used in Architecture and Building Construction." Such Standards are often developed by specialized technical societies for ANSI. The Standard referred to above was prepared by the Institute of Electrical and Electronics Engineers (IEEE) and the American Society of Mechanical Engineers (ASME).

CSA International —
Montreal, QC, Canada; Cleveland, OH; Los Angeles, CA
www.csa-international.org
CSA International is a leading provider of product testing and certification services. "We test products for compliance to national and international standards, and issue certification marks for qualified products. Certification marks tell potential customers and users that a product has been evaluated by a formal process — involving examination, testing and follow-up inspection — and that it complies with applicable standards for safety and performance. CSA International is accredited by the Occupational Health and Safety Administration (OSHA) as a Nationally Recognized Testing Laboratory (NRTL). In Canada CSA International is accredited as a Certification Organization (CO) and as a Testing Organization (TO) by the Standards Council of Canada (SCC).

GSA — General Services Administration Federal Supply Service
1800 F Street NW, Washington, D.C. 20406
www.gsa.org
The U.S. Government administration responsible for the approval of Federal Specifications used in the purchase of products by all Federal Agencies.
The two most relevant Federal Specifications for Electrical Wiring Devices are:
W-C-596, for Electrical Power Connector, Plug, Receptacle and Cable Outlet
W-S-896, for Toggle and Lock, Flush Mounted Switches
Leviton devices that comply with these specifications, as verified by Underwriters Laboratories Inc., are also listed in this catalog.

NEC — National Electrical Code
Published by the NFPA (see listing)
The purpose of the Code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This Code is sponsored by NFPA under the auspices of ANSI. It is revised every three years. OSHA (see listing) has adopted the NEC as the code to follow in order to comply with OSHA requirements.

NEMA —National Electrical Manufacturers Association
1300 North 17th Street, Suite 1752, Rosslyn, VA 22209
www.nema.org
An organization of electrical manufacturers that establishes standards for manufacture and tests for performance and reliability of electrical products. NEMA tests are often the basis or prerequisite for approval by the Federal Government and/or by Underwriters Laboratories, Inc.

NFPA — National Fire Protection Association
1 Battery March Park, Quincy, MA 02269
www.nfpa.org
An organization devoted to promoting the science and improving the methods of Fire Protection. Membership is open to anyone interested. Every three years, the NFPA produces a new edition of the NEC (see listing). The NFPA also provides many other useful publications dealing with fire prevention.

OSHA — Occupational Safety and Health Administration
(U.S. Department of Labor), 200 Constitution Ave.
Washington D.C. 20210
www.osha.org
That part of the U.S. Department of Labor responsible for assuring that employers provide safe and healthful working conditions and equipment for employees, and that employees properly avail themselves of these conditions. In addition to specific regulations published in the Federal Register, OSHA has also adopted the National Electrical Code in part for existing installations and equipment and completely for new construction.

Note: OSHA does not approve products. Compliance with OSHA regulations is contingent on two factors: The approval or listing of the product by an authorized testing laboratory, such as UL (see listing), and the proper installation and/or use of the product in accordance with OSHA guidelines.

UL — Underwriters Laboratories Inc.
Northbrook, IL; Melville, NY; Santa Clara, CA
www.ul.com
"An independent, not-for-profit organization testing for public safety." Tests by UL are the basis for acceptance by various government agencies. Listing by UL denotes initial testing and periodic retesting to assure continuing conformance to standards.

NOM — Norma Official Mexicana
(Mexican Official Standard) SECOFI
Avenida Puent de Tecamachalco #6
Col. Lomas de Tecamachalco 53950
Naucalpan, Edomex Mexico

INDUSTRY STANDARDS FOR ELECTRICAL WIRING DEVICES — National Electrical Code Requirements for Wiring Devices

National Electrical Code NFPA No. 70-1996 (Selected Articles)

Article 90 — Introduction

Article 100 — Definitions

Article 110 — Requirements for Electrical Installations
- 110-18 Arcing Parts
- 110-21 Marking

Article 200 — Use and Identification of Grounded Conductors
- 200-9 Means of Identification of Terminals
- 200-10 Identification of Terminals

Article 210 — Branch Circuits
- 210-4 Multiwire Branch Circuits
- 210-6 Branch Circuit Voltage Limitations
- 210-7 Receptacles and Cord Connectors
- 210-8 Ground Fault Protection for Personnel
- 210-21 Outlet Devices
- 210-24 Branch Circuit Requirements
- 210-50 Required Outlets, General
- 210-52 Dwelling Unit Receptacle Outlets
- 210-60 Guest Rooms
- 210-63 Rooftop Heating, Air Conditioning and Refrigeration Equipment Outlet
- 210-70 Lighting Outlets Required

Article 220 — Branch Circuit, Feeder and Service Calculations
- 220-4 Branch Circuits Required

Article 250 — Grounding
- 250-45 Equipment Connected by Cord and Plug
- 250-50 Equipment Grounding Conductor Connections
- 250-51 Effective Grounding Path
- 250-59 Cord and Plug Connected Equipment
- 250-74 Connecting Receptacle Grounding Terminal to Box

Article 310 — Conductors for General Wiring
- 310-15 Ampacities

Article 380 — Switches
- 380-1 Scope
- 380-2 Switch Connections
- 380-8 Accessibility and Grouping
- 380-9 Faceplates for Flush-Mounted Snap Switches
- 380-14 Rating and Use of Snap Switches
- 380-15 Marking

Article 410 — Lighting Fixtures, Lampholders, Lamps, Receptacles
- 410-29 Cord-Connected Showcases
- 410-56 Receptacles, Cord Connectors and Attachment Plugs
- 410-57 Receptacles in Damp or Wet Locations
- 410-58 Grounding-Type Receptacles, Adapters, Cord Connectors and Attachment Plugs

Article 422 — Appliances
- 422-22 Disconnection of Cord- and Plug-Connected Appliances

Article 511 — Commercial Garages, Repair and Storage
- 511-10 Ground Fault Circuit Interrupter Protection for Personnel

Article 517 — Health Care Facilities
- 517-3 Definitions
- 517-12 Wiring Methods
- 517-13 Grounding of Receptacles and Fixed Electric Equipment
- 517-16 Receptacles with Insulated Grounding Terminals
- 517-18 General Care Areas
- 517-19 Critical Care Areas
- 517-19(e) Additional Protective Techniques
- 517-20 Wet Locations
- 517-21 Ground Fault Circuit Interrupter Protection for Personnel
- 517-31 Emergency System
- 517-44 Sources of Power
- 517-61 Wiring and Equipment
  - (a) Within Hazardous (Classified) Anesthetizing Locations
  - (b) Above Hazardous (Classified) Anesthetizing Locations
  - (c) Other-Than-Hazardous (Classified) Anesthetizing Locations
- 517-62 Grounding
- 517-64 Low-Voltage Equipment and Instruments

Article 518 — Places of Assembly
- 518-3(b) Temporary Wiring Receptacles

Article 550 — Mobile Homes and Mobile Home Parks
- 550-5(c) Attachment Plug Cap
- 550-8 Receptacle Outlets

Article 555 — Marinas and Boatyards
- 555-3 Receptacles
- 555-7 Grounding

Article 625 — Electrical Vehicle Charging System Equipment
- 625-22 (New Article) GFCI Protection for Cord- and Plug-Connected Electric Vehicle Supply Equipment

Article 680 — Swimming Pools, Fountains and Similar Installations
- 680-4 Definitions
- 680-5 Transformers and Ground Fault Circuit Interrupters
- 680-6(a) Receptacles
- 680-6(b) Lighting Fixtures, Lighting Outlets, Switching Devices and Ceiling Fans
- 680-7 Cord- and Plug-Connected Equipment
- 680-40 Outdoor Installations
- 680-41 Indoor Installations
- 680-51 Lighting Fixtures, Submersible Pumps and Other Submersible Equipment
- 680-62 Cord- and Plug-Connected Equipment
- 680-62 Therapeutic Tubs (Hydrotherapeutic Tanks)
- 680-62(a) Ground Fault Circuit Interrupter
- 680-62(c) Methods of Bonding

ASSOCIATIONS, ORGANIZATIONS AND STANDARDS

The following listings define the common acronyms used for a variety of organizations.

Standards Development Organizations

Primarily involved in the development and/or promulgation of standards

NFPA	National Fire Protection Agency
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
ANSI	American National Standards Institute
CANENA	Consejo de Armonizacion de Normas Electrotecnicas de Norte America (Council for Harmonization of Electrotechnical Standardization of North America)
SAE	Society of Automotive Engineers
ISA	Instrument Society of America
SME	Society of Manufacturing Engineers
ISO	International Standards Organization
ASME	American Society of Mechanical Engineers

Codes and Standards

Installation codes and product safety, performance and interchangeability standards.

NEC	National Electrical Code
NOM	Normas Oficiales de Mexicanas (Official Mexican Standard)
NMX	Normas Mexicanas
CEC	Canadian Electrical Code
CEE	European Electrotechnical Committee

Industry Associations

For the purpose of standardization, trade, and professional development, etc.

NMDA	National Marine Distributor Association
NEMA	National Electrical Manufacturers Association
ABYC	American Boat and Yacht Council
EIA/TIA	Electronics Industry Association/ Telecommunications Industry Association
NAED	National Association of Electrical Distributors
NAW	National Association of Wholesalers
BICISI	Building Industry Consulting Services International
IBI	Intelligent Building Institute
EPRI	Electric Power Research Institute
NEMRA	National Electrical Manufacturers Representative Association
IAEI	International Association of Electrical Inspectors
IFMA	International Facilities Management Association
BOMA	Building Owners Management Association
SEMI	Semi-Conductor Equipment and Material International
CEMRA	Canadian Electrical Manufacturers Representatives Association
NMRA	National Marine Representative Association
EFI	Electro-Federation Incorporated
NECA	National Electrical Contractors Association
IECA	Independent Electrical Contractors Association
ECOC	Electrical Contractors of Canada
CANAME	Camara Nacional de Manufacturas Electricas (Mexico)

Certification Agencies

Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

UL	Underwriters Laboratories Inc.
CSA	Canadian Standards Association
ANCE	National Association of Normalization and Certification of the Electrical Sector (Mexico)
TUV	TUV Rheinland of N.A., Inc.
VDE	Verband Deutscher Elektrotechniker (Germany)
BSI	British Standards Institute
FM	Factory Manual
NRTL	National Recognized Testing Laboratories
OSHA	Occupational Safety and Health Administration
FCC	Federal Communications Commission
DESC	Defense Electronic Supply Center
IAPA	Independent Accident and Protection Association (Canada)
CE	European Compliance (This is not a certification agency, but CE is the European Compliance Mark)
ETL	ETL Testing Laboratories

California Energy Commission (CEC) Title 24 Energy Efficiency Standards
www.energy.ca.gov/title24

Recognizing the need to reduce the state's energy consumption, the CEC established in 1978 tough energy efficiency standards for residential and nonresidential buildings in California. The Title 24 standards are updated periodically to incorporate new energy efficiency technologies, with 2008 standards in effect January 1, 2010. Title 24 provisions are important guidelines for energy conservation in any state.

New Single and Low-Rise Residential Structures (2008 Standard):

Bathroom, attached and detached garage, laundry room, utility room in single residences as well as lighting in common areas of low-rise residential buildings with four or more dwelling units must be from high efficacy lighting (fluorescent, compact fluorescent or high intensity (HID) lamps:

- All installed lighting must be high efficacy, or controlled by a vacancy sensor certified to CEC

For all other rooms (Any room that is not a Kitchen, Bathroom, Garage, Laundry Room, or Utility Room):

- All hardwired lighting must be high efficacy, or controlled by a vacancy sensor, or controlled by a dimmer
- All outdoor lighting attached to buildings must be high efficacy, or controlled by a motion sensor in addition to one of the following methods:
- Photocontrol not having an override or bypass switch, or Astronomical time clock not having an override or bypass switch, or Energy management control system (EMCS) not having an override or bypass switch that allows the luminaire to be always on.

Leviton Residential CEC compliant products:
IPP15 Manual-On Occupancy Sensor
OSS10 Manual-On Occupancy Sensor with nightlight

Nonresidential Buildings (2008 Standard):

- Occupant Sensors, Motion Sensors, and Vacancy Sensors...and shall have a visible status signal that indicates the device is operating properly or has failed. Visible status signal may have override switch that turns the signal off.
- Multi-Level Lighting Controls...shall have at least one control step that is between 30% and 70%...allow the power of all lights to be manually turned off.
- Shut-off Controls...Occupancy sensor required as compliance method for: Offices ≤ 250 sq ft; Multipurpose room < 1000 sq ft; Classrooms any size; Conference rooms any size...Shall allow lights to be manually shut off regardless of sensor status.
- Demand Responsive Lighting Controls... Retail buildings with sales floor areas > 50,000 sq ft: Require automatic demand responsive lighting controls; uniformly reduce lighting power consumption ≥ 15%; EXCEPTION: Buildings where > 50% lighting power controlled by daylighting controls.
- PAF- Multi-Level Occupancy Sensor...shall 1st stage activate 30-70% of lighting power

Leviton Nonresidential CEC compliant products:
WSC04/WSC15 LevNet RF™ Wireless Self-Powered PIR Occupancy Sensor.
OSCxx-M0W Multi-Tech Ceiling Mount Occupancy Sensors
ODC0S Self-Contained Ceiling Mount Occupancy Sensors

For more Title 24 compliant products, see Energy Management Section

EUROPEAN AGENCIES: IEC AND CEE

The IEC

The IEC is the International Electrotechnical Commission. Formed in 1906, it is a worldwide organization primarily involved in the international standardization of electrical standards and equipment. As of 1994, 48 countries are represented in the IEC. IEC member countries produce and consume the majority of the world's electrical energy. They also manufacture and use the majority of the world's electrical products.

The IEC works towards standardization of the following areas:

- Universal technical language; including definitions, and electrical symbols
- Systems for ratings, testing requirements and methods of testing
- Electrical system characteristics; including voltages, frequencies and tolerances
- Dimensional requirements and tolerances
- Universal electrical safety requirements

The CEE

The CEE is the European Electrotechnical Committee. The CEE works on safety standards, definitions for conformity and certifications for electrical equipment. Cooperation between the CEE and the IEC has led to worldwide publications for standards pertaining to electrical equipment.

CERTIFICATION AND MARKINGS

Certification marks indicate a product has been tested to the requirements of a specific certification agency. Manufacturers may choose a particular product identity (e.g. Specification Grade) even though no outside certification agency is involved. The following table illustrates the variety of certification markings typically used for 15A and 20A Straight Blade Receptacles.

Typical Product Certification Marks —

15 & 20 Amp Straight Blade Receptacles. Products with these markings must meet the specific testing standards indicated.

Certification Mark	UL498	CSA, C22.2, No. 42M	UL 498 Hospital Grade	CSA, C22.2, No. 42M, Hosp. Grade	DESC W-C-596F	Certification Agency
Spec Grade*	No Product Testing Required — Manufacturer's Term Only					Manufacturer Only
ETL	X	X				
RU	X					Underwriters Laboratories Inc. Recognized Component for OEM use.
UL	X					Underwriters Laboratories Inc.
CSA		X				Canadian Standards Association
UL ● Hospital Grade	X		X			Underwriters Laboratories Inc.
CSA ● Hospital Grade		X		X		Canadian Standards Association
FULS Fed. Spec	X				X	Underwriters Laboratories Inc. and Defense Electronic Supply Center
FULS Fed. Spec ●Hospital Grade	X		X		X	Underwriters Laboratories Inc. and Defense Electronic Supply Center

*Includes variations such as Industrial Spec. Grade, Premium Spec. Grade, etc.
NOTE: The C-UL listing mark is applied to products for the Canadian market evaluated by UL to Canadian safety standards. The C-UL US listing mark indicates compliance with both U. S. and Canadian safety standards.

Cross References/Related Products

The cross-reference guides supplied by manufacturers are convenient for determining compatible devices but they are not official confirmation of compliance to any standard or testing criteria. Similarly, common catalog numbers used by different manufacturers in no way imply compliance to any standard or testing criteria.

UL, CSA AND NEMA STANDARDS PERTAINING TO LEVITON DEVICES

UL Standards Pertaining to Leviton Devices

UL20	General-use switches
UL50	Enclosures for electrical equipment
UL94	Flammability testing for materials
UL486E	Equipment and wiring terminals
UL498	Plugs, connectors, receptacles, inlets, outlets, taps and adapters
UL508	Industrial equipment (including motor control switches)
UL514A	Metallic boxes/covers/wallplates
UL514C	Non-metallic boxes/covers/wallplates
UL817	Cordsets
UL943	GFCI's
UL1363	Temporary power taps
UL1436	Outlet circuit testers
UL1449	Surge suppression devices
UL1567	Switches and receptacles used with AL wire
UL1682 & 1686	Pin & Sleeve devices
UL1776	High-pressure cleaning equipment
FSWC596F	Federal Spec receptacles
FSWS896	Federal Spec switches

Note: Straight blade and locking NEMA configurations are defined by UL 1681 and NEMA WD 6.

Each UL standard consists of requirements that cover three characteristics of the product being reviewed:

1. Construction	Material properties and general design
2. Performance	Mechanical and electrical testing
3. Markings	Identification of manufacturer, applicable ratings, etc.

CSA Standards Pertaining to Leviton Devices

C22,2, No. 0.17	Polymeric materials
C22.2, No. 42	General-use receptacles, attachment plugs
C22.2, No. 55	Special-use switches
C22.2, No. 111	General-use switches
C22.2, No. 182.1	Industrial-type, special-use attachment plugs, receptacles and connectors. Pin and sleeve devices
C22.2, No. 182.2	Industrial locking type

NEMA Standards Pertaining To Leviton Devices — In Accordance With NEMA Standard WD-1

WD 1-1.01 CORD CONNECTOR

A cord connector is a portable receptacle which is provided with means for attachment to a flexible cord and which is not intended for permanent mounting. NEMA Standard 7-13-1967

WD 1-1.02 GROUNDED CONDUCTOR (SYSTEM GROUND)

A grounded conductor is a circuit conductor (normally current carrying) which is intentionally connected to earth ground. (It is identified as the white conductor.) NEMA Standard 7-13-1967

WD 1-1.03 GROUNDING CONDUCTOR (EQUIPMENT GROUND)

A grounding conductor is a conductor which connects noncurrent-carrying metal parts of equipment to earth ground to provide an intentional path for fault current to ground (It is bare, or, when covered, is identified as the green or green with yellow stripes conductor.) NEMA Standard 7-13-196

WD 1-1.04 LAMPHOLDER

A lampholder is a device which is intended to support an electric lamp mechanically and to connect it electrically to a circuit. NEMA Standard 7-13-1967

WD 1-1.05 MALE BASE (INLET)

A male base is a plug which is intended for flush or surface mounting on an appliance or equipment and which serves to connect utilization equipment to a connector. NEMA Standard 7-13-1967

WD 1-1.06 OUTLET

An outlet is a point on the wiring system at which current is taken to supply utilization equipment. NEMA Standard 7-13-1967

WD 1-1.07 PLUG

A plug is a device with male blades which, when inserted into a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected to the receptacle. NEMA Standard 7-1-1967

WD 1-1.08 POLARIZATION (PLUGS AND RECEPTACLES)

Polarization is a means of assuring the mating of plugs and receptacles of the same rating in only the correct positon. NEMA Standard 7-1-1967

WD 1-1.09 POLE

The term "pole" as used in designating plugs and receptacles refers to a terminal to which a circuit conductor (normally current carrying) is connected. In switches, the number of poles indicates the number or conductors being controlled. NEMA Standard 7-1-1967

WD 1-1.10 RECEPTACLE

A receptacle is a device with female contacts which is primarily installed at an outlet or on equipment and which is intended to establish electrical connection with an inserted plug. NEMA Standard 7-1-1967

WD 1-1.11 SLANT SYMBOL (/)

The "slant" line (/) as used in wiring device ratings indicates that two or more voltage potentials are present simultaneously between different terminals of a wiring device. NEMA Standard 7-1-1967

WD 1-1.12 SWITCH

A switch is a device for making, breaking, or changing the connections in an electric circuit.

A. Single-pole Switch (Single-pole, Single-throw)

A switch which makes or breaks the connection of one conductor.

B. Double-pole Switch (Double-pole, Single-throw)

A switch which makes or breaks the connection of two conductors of a single branch circuit.

C. Three-way Switch (Single-pole, Double-throw)

A switch which changes the connection of one conductor and which is normally used in pairs to control one utilization equipment from two locations.

D. Four-way Switch (Double-pole, Double-throw Reversing)

A form of double-pole switch which is used in conjunction with two three-way switches to control one utilization equipment from three or more locations. NEMA Standard 7-13-1967

WD 1-1.13 TERMINAL (ON A WIRING DEVICE)

A terminal is a fixed location on a wiring device where a conductor is intended to be connected. NEMA Standard 7-13-1967

WD 1-1.14 WIRE (PLUGS AND RECEPTACLES)

The term "wire" as used in designating plugs and receptacles indicates the number or either normally current-carrying or equipment grounding connected conductors. NEMA Standard 7-13-1967

HIGH-ABUSE WIRING DEVICES — UL LISTED HOSPITAL GRADE

Why was it developed?

Hospital Grade Listed devices were developed to provide maximum safety in high-abuse applications where constant strenuous use of the device is common. These highest reliability devices are built to protect against possible human negligence and keep the devices safe and functional.

What are the applications for Hospital Grade, High Abuse Devices?

Rough use occurs not just in hospitals, but every place where people can't or won't be cautious with devices...the cleaning person who yanks the floor waxer plug down the hall, the mechanic who pulls the drill plug from the wall, or the child who removes the electric lawnmower plug from 40 feet away! In addition, Leviton realized that devices in rough use situations are often exposed to many corrosive liquids, such as cleaning fluids, rug shampoos, chlorinated water, sprays, salt air and chemical fumes. Our corrosion resistant devices permit use in environments where these conditions are common.

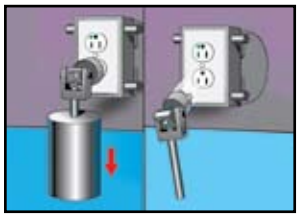
Demanding Tests for UL Hospital Grade Listing

Leviton has designed a line of wiring devices that withstand impact, wear, crushing, and corrosive environments that would destroy ordinary heavy-duty devices. Leviton's comprehensive line of Hospital Grade and Industrial Grade plugs, connectors and receptacles include devices that have passed a series of demanding UL Hospital Grade tests. This assures the end-user of top performance in the harshest industrial environments. Here are examples of how Leviton devices meet or exceed the requirements of the most rigorous testing!

Receptacles

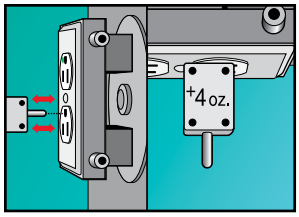
Abrupt Removal of Plug Test

A steel-bodied test plug with brass blades is inserted into the receptacle. A 10-pound weight dropped from at least 24 inches yanks the plug out of the receptacle. This test is done eight times with the receptacle rotated into different positions to create the greatest stress on its face and contact. After this, the grounding contact must retain a four ounce, 0.184" diameter grounding pin, with the receptacle face down, for one minute. "There shall be no breakage of the receptacle that interferes with the receptacle function or the integrity of the enclosure. The receptacle shall maintain the grounding path integrity through the receptacle."



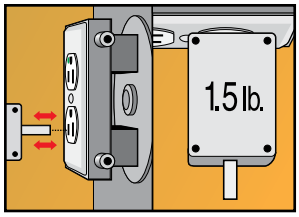
Ground Pin Test

The grounding contact of the receptacle is conditioned by 20 insertions with a 0.204" diameter oversized pin. "After conditioning, a 0.184" diameter pin shall be inserted in the grounding contact and shall be capable of supporting at least four ounces for one minute."



Power Blade Retention Test

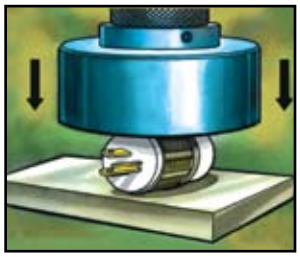
A test plug with oversized blades of .075" is inserted into the current-carrying opening of the connector for 20 conditioning cycles. After the conditioning cycles, "the contact shall be capable of supporting for one minute $1\frac{1}{2}$ lbs., secured to a single .055" thick solid steel blade without holes."



Plugs and Connectors

500 lb. Crush Test

A wired plug or connector is placed between two steel plates and subjected to a force which is steadily increased to 500 pounds. "There shall be no breakage, deformation or other effect that may interfere with the function of the device." Leviton knows that in real industrial environments, plugs and connectors are crushed by forces exceeding 500 lbs. Leviton performs the crush test with force of 2500 lbs. to ensure that our devices withstand the really heavy hits on the job.



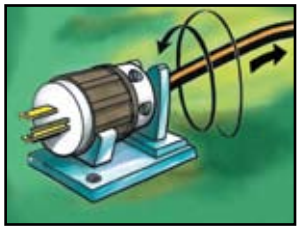
Impact Test

A wired plug or connector is subjected to impact from a 10 lb. weight dropped from a height of 18 inches. "There shall be no breakage, deformation or other effect that may interfere with the function of the device." Plugs and connectors are subjected to severe impacts in industrial settings. Therefore, Leviton exceeds the UL requirement by dropping the weight from a height of 36 inches.



Cord Pull Test

The cord must remain securely fastened after straight pulls of 30 pounds, and rotating pulls (in a 3-inch circle) of 10 pounds for two hours. "Displacement of conductors, insulation, and outer jacket of the flexible cord AWG 18 SVT shall not exceed $\frac{1}{32}$ inch. There shall be no cuts, rips, or tears in cord insulation." Heavy-duty cord stress is typical abuse for industrial plugs and connectors. Leviton increases the weight in the straight cord pull test to 175 lbs. with AWG 14 ST and in the rotating pull test to 20 lbs., ensuring positive strain relief under industrial conditions.



Mechanical Drop Test

A sample wired plug or connector is suspended horizontally by its attached cord and released so that it impacts a hard wood surface 45 inches below the point of suspension — repeated for 1300 cycles. "There shall be no breakage, deformation or other damage which would interfere with the functioning of the device."



GLOSSARY OF ELECTRICAL WIRING DEVICE TERMS

General Terms

Adapter — An accessory used for interconnecting non-mating devices or converting an existing device for modified use.

Ballast — A transformer that steps down AC line voltage to voltage that can be used by fluorescent or other types of lighting. Ballasts may be electromagnetic or electronic.

Cord Connector — A portable receptacle designed for attachment to or provided with flexible cord, not intended for fixed mounting.

Flanged Inlet — A plug intended for flush mounting on appliances or equipment to provide a means for power connection via a cord connector.

Flanged Outlet — A receptacle intended for flush mounting on appliances or equipment to provide a means for power connection via an inserted plug.

Fluorescent Starter — A device with a voltage-sensitive switch and a capacitor that provides a high-voltage pulse to start a fluorescent lamp. Rated in watts.

Lampholder — A device with contacts that establishes mechanical and electrical connection to an inserted lamp.

Plug — A device with male contacts intended for insertion into a receptacle to establish electrical connection between the attached flexible cord and the conductors connected to the receptacle.

Receptacle — A device with female contacts designed for fixed installation in a structure or piece of equipment and which is intended to establish electrical connection with an inserted plug.

Switch — A device for making, breaking, or changing the connections in an electric circuit.

Wallplate — A plate designed to enclose an electrical box, with or without a device installed within the box.

Adapter Variations

Cube Tap — An adapter that converts one receptacle opening into multiple openings.

Current Tap — An adapter designed for medium base lampholders which has one or two receptacle openings. Available with or without integral switch.

Duplex — An adapter that provides two female receptacle openings when plugged into a single receptacle opening.

Grounding — An adapter that converts a two-wire receptacle opening into a two-pole, three-wire grounding receptacle opening.

Lampholder — A threaded adapter that converts the thread size of the lampholder in which it is inserted so that the lampholder can accept an incandescent lamp bulb of a different size thread.

Molded-On — An adapter that is factory molded to a length of flexible cord.

Series — An adapter wired in series to a flexible cord containing an in-line switch used to control electrical equipment plugged into the adapter.

"W" Type — Same as "Y" type, except having three cord connectors arranged in the form of the letter "W".

"Y" Type — An adapter in the form of a letter "Y", having two cord connectors on one end and a male plug on the other end.

Cord Connectors

Angle —A connector that allows the attached flexible cord to exit at right angles.

Corrosion Resistant — A connector constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Dust Proof — A connector designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A connector constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Hospital Grade — A connector designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These connectors are tested to the Hospital Grade requirements of Underwriters Laboratories Inc. Standard 498.

Locking — A connector designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Midget — A connector designed with a smaller body diameter than standard connectors with a similar rating.

Molded On — A connector that is factory molded to a length of flexible cord.

Pin and Sleeve — A connector with hollow, cylindrical sleeve-type contacts.

Straight Blade — A non-locking connector into which mating plugs are inserted at a right angle to the plane of the connector face.

Weatherproof — A connector specially constructed so that exposure to weather will not interfere with its operation.

Flanged Inlets

Corrosion Resistant — An inlet constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Flush-Mounted — An inlet intended to be installed flush with the surface of a panel or a piece of equipment.

Locking — An inlet designed to lock an inserted matching connector when the connector is rotated in a clockwise direction. The connector can only be removed by first turning it in a counter-clockwise direction.

Midget — An inlet designed with a smaller body diameter than standard connectors with a similar rating.

Pin and Sleeve — An inlet with round pin-type contacts intended to mate with a connector having hollow cylindrical female contacts.

Straight Blade — A non-locking inlet into which mating connectors are inserted at a right angle to the plane of the connector face.

Surface-Mounted — An inlet designed to be surface mounted on a panel or piece of equipment.

Watertight — An inlet specially constructed so that water will not enter under specified test conditions. The IP Suitability Rating designates the degree of protection a device offers against the ingress of moisture and water (e.g. IP 55, IP 44).

Weatherproof — An inlet specially constructed to protect it from the effects of weather in outdoor locations.

Flanged Outlets

Corrosion Resistant — An outlet constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B17-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Flush-Mounted — An outlet intended to be installed flush with the surface of a panel or a piece of equipment.

Locking — An outlet designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Midget — An outlet designed with a smaller body diameter than standard devices with a similar rating.

Pin and Sleeve — An outlet with hollow cylindrical female contacts intended to mate with a plug having round pin contacts.

Straight Blade — A non-locking outlet into which mating straight-blade plugs are inserted at a right angle to the plane of the outlet face.

Surface-Mounted — An outlet designed to be surface mounted on a panel or piece of equipment.

Watertight — An outlet specially constructed so that water will not enter under specified test conditions. The IP Suitability Rating designates the degree of protection a device offers against the ingress of moisture and water (e.g. IP 55, IP 44).

Weatherproof — An outlet specially constructed so that exposure to weather will not interfere with its operation.

GLOSSARY OF ELECTRICAL WIRING DEVICE TERMS

Fluorescent Starters

Automatic Reset — A starter that automatically restarts a new replacement fluorescent lamp after the circuit is energized.

Direct Current — A thermal-type starter designed for use on direct current (DC) circuits.

Glow Discharge — A starter that provides a rapid lamp start-up and will continue to try to start a failed fluorescent lamp, causing the lamp to flicker until it is replaced.

Manual Reset — A starter that automatically deactivates a failed fluorescent lamp to eliminate flickering. A reset button provides a means of activating the circuit after lamp replacement.

Lampholders

Bayonet — Designed for incandescent lamps having an unthreaded metal shell with two diametrically opposite keyways that mate with the keyways on the lampholder. Pushing down on the bulb and turning it clockwise in the lampholder locks the bulb in place.

Candelabra — A small screw-base threaded lampholder designed for candelabra-base incandescent lamps commonly used in chandeliers, night lights, and ornamental lighting.

Circline — A four-contact, double-ended lampholder designed for use with tubular, circular fluorescent lamps.

Compact Fluorescent — A lampholder designed for the Compact Fluorescent Lamps (CFLs) that are increasingly being used to replace incandescent lamps for energy efficiency.

Dimmer — An electronic device with either a round knob, slide lever or finger-tip controlled buttons used to dim/brighten incandescent lighting. Available in a variety of wattages; fluorescent version also available.

Double-Contact Recessed — Designed for high-output fluorescent lamps.

Edison Base — An internally-threaded lampholder, with the inner shell approx. 1" in diameter. Designed for widely-used standard medium base lamps.

Electrolier — Similar to the Edison Medium Base lampholder, but with a smaller outer diameter.

Incandescent — Designed for use with all manufactured incandescent lamps, most of which have threaded bases.

Intermediate — A lampholder with a threaded screw shell designed for intermediate base lamps that have a $^{13}/_{32}$" threaded base (smaller than the standard 1" dia. medium base). Mostly used in decorative lighting.

Key — A lampholder with a flat or round "key" knob that operates an internal switching mechanism ("Keyless" lampholders do not provide an internal switching mechanism).

Lumiline — A specially designed lampholder for tubular Lumiline-type incandescent lamps, typically used in bathrooms and retail display cases.

Medium Base — Same as the Edison base lampholder. An internally-threaded lampholder, with the inner shell approx. 1" in diameter. Designed for widely-used standard medium base lamps.

Miniature — Designed for the smallest available incandescent lamps with a screw-in base, approx. $^{3}/_{8}$" dia. Widely used in flashlights and toys, etc.

Mogul — The largest screw-in type lampholder, designed for mogul incandescent lamps with a screw base of approx. $1^{1}/_{2}$" dia. Used in street lights and numerous commercial/industrial applications.

Medium Bi-Pin — A fluorescent lampholder with two contacts, used in pairs. For type T-8 tubular fluorescent lamps, approx. 1" in diameter.

Miniature Bi-Pin — Similar to medium bi-pin lampholders, but designed for type T-5 tubular fluorescent lamps, approx. $^{5}/_{8}$" in diameter.

Outlet Box — Medium-base incandescent lampholder designed for mounting in $3^{1}/_{4}$" or 4" electrical boxes. Available with or without pull-chain mechanism, and with or without built-in receptacle.

Pull-Chain — An incandescent lampholder with an internal switching mechanism that is activated by pulling down on a beaded chain or cord.

Push-Through — An incandescent lampholder with an insulated lever that is pushed from either side to activate an internal ON/OFF switching mechanism.

Slimline Single-Pin — A fluorescent lampholder with a single contact designed for Slimline fluorescent lamps such as the T-12 ($1^{1}/_{2}$" dia.), T-8 (1" dia.), and the smaller version T-6 ($^{3}/_{4}$"" dia.).

Snap-In — An incandescent or compact fluorescent lampholder with factory-assembled spring clips that securely snap into a panel cutout without requiring additional fasteners.

Surface-Mounted — A lampholder of any type that mounts on a flat or plane surface.

Plugs

Angle — A plug that allows the attached flexible cord to exit at right angles.

Corrosion Resistant — A plug constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Dust Proof — A plug designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A plug constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Hospital Grade — A plug designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These plugs are tested to the Hospital Grade requirements of Underwriters Laboratories Inc. Standard 498.

Locking — A plug designed to lock into a matching connector or receptacle configuration when the plug is rotated in a clockwise direction. The plug can only be removed by turning it in a counter-clockwise direction.

Midget — A plug designed with a smaller body diameter than standard plugs with a similar rating.

Molded On — A plug that is factory molded to a length of flexible cord.

Pin and Sleeve — A plug with round pin contacts.

Straight Blade — A non-locking plug that is inserted at a right angle to the plane of the matching device face.

Weatherproof — A plug specially constructed so that exposure to weather will not interfere with its operation.

Receptacles

AL/CU — 30A, 50A or 60A receptacles designated for use with aluminum or copper circuit conductors, identified by "AL/CU" stamped on the device. Receptacles without this designation must never be used with aluminum circuit conductors.

Clock Hanger — A single, recessed receptacle with a specialized cover plate that provides a hook or other means of supporting a wall clock.

CO/ALR — 15A or 20A receptacles designated for use with aluminum or copper circuit conductors, identified by "CO/ALR" stamped on the device. Receptacles without this designation must never be used with aluminum circuit conductors.

Corrosion Resistant — A receptacle constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Display — Receptacle with a special cover plate intended for flush mounting on raised floors or walls.

Duplex — Two receptacles built with a common body and mounting means; accepts two plugs.

Dust Proof — A receptacle designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A receptacle constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Fan Hanger — A single receptacle with a specialized cover plate that provides a hook or other means of supporting a wall fan.

Four-In-One or "Quad" — A receptacle in a common housing that accepts up to four plugs. Four-In-One receptacles can be installed in place of duplex receptacles mounted in a single-gang box, providing a convenient means of adding receptacles without rewiring.

GLOSSARY OF ELECTRICAL WIRING DEVICE TERMS

GFCI (Ground Fault Circuit Interrupter) — A receptacle with a built in circuit that will detect leakage current to ground on the load side of the device. When the GFCI detects leakage current to ground, it will interrupt power to the load side of the device, preventing a hazardous ground fault condition. GFCI receptacles must conform to UL Standard 943 Class A requirements, and their use is required by the National Electric Code NFPA-70 in a variety of indoor and outdoor locations.

Hospital Grade — A receptacle designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These receptacles are tested to the Hospital Grade requirements of Underwriters Laboratories Inc. Standard 498.

Interchangeable — A receptacle or combination of receptacles with a common mounting dimension that may be installed on a single or multiple-opening mounting strap.

Isolated Ground — Receptacles intended for use in an Isolated Grounding system where the ground path is isolated from the facility grounding system. The grounding connection on these receptacles is isolated from the mounting strap.

Lighted (Illuminated) — A receptacle with a face that becomes illuminated when the device is connected to an energized electrical circuit.

Locking — A receptacle designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Pin and Sleeve — A receptacle with cylindrical sleeve-type contacts.

Safety or Tamper-Resistant — A receptacle specially constructed so that access to its energized contacts is limited. Tamper-resistant receptacles are required by the National Electric Code NFPA-70 in specific pediatric care areas in health care facilities. They are also required in new or renovated residential construction. Please contact your local building inspector's office for more information on code acceptance in your area.

Single — A receptacle that accepts only one plug.

Snap-In — A receptacle with factory-assembled spring clips that securely snap into a panel cutout without requiring additional fasteners.

Split-Circuit — A duplex receptacle that allows each receptacle to be wired to separate circuits. Most duplex receptacles provide break-off tabs that allow them to be converted into split-circuit receptacles.

Straight Blade — A non-locking receptacle into which mating plugs are inserted at a right angle to the plane of the receptacle face.

Surface-Mounted — Any receptacle that mounts on a flat or plane surface.

Surge-Suppression — A receptacle with built-in circuitry designed to protect its load side from high-voltage transients and surges. The circuitry will limit transient voltage peaks to help protect sensitive electronic equipment such as PC's, modems, audio/video equipment, etc.

Triplex — A receptacle with a common mounting means which accepts three plugs.

Weatherproof — A receptacle specially constructed so that exposure to weather will not interfere with its operation.

Switches

AC/DC — A switch designated for use with either Alternating Current (AC) or Direct Current (DC)

AC Only — A switch designated for use with Alternating Current (AC) only.

Dimmer — A switch with electronic circuitry that provides DIM/BRIGHT control of lighting loads.

Door — A momentary contact switch, usually installed on a doorjamb, that is activated when the door is opened or closed.

Double-Pole, Single-Throw (DPST) — A switch that makes or breaks the connection of two circuit conductors in a single branch circuit. This switch has four terminal screws and ON/OFF markings.

Double-Pole, Double-Throw (DPDT) — A switch that makes or breaks the connection of two conductors to two separate circuits. This switch has six terminal screws and is available in both momentary and maintained contact versions, and may also have a center OFF position.

Feed-Through — An in-line switch that can be attached at any point on a length of flexible cord to provide switching control of attached equipment.

Flush-Mounted — A switch designed for flush installation with the surface of a panel or equipment.

Four-Way — A switch used in conjunction with two 3-Way switches to control a single load (such as a light fixture) from three or more locations. This switch has four terminal screws and no ON/OFF marking.

Horsepower Rated — A switch with a marked horsepower rating, intended for use in switching motor loads.

Interchangeable — A switch or combination of switches with a common mounting dimension that may be installed on a single or multiple-opening mounting strap.

Lighted Handle — A switch with an integral lamp in its actuator (toggle, rocker or push button) that illuminates when the switch is connected to an energized circuit and the actuator is in the OFF position.

Locking — A switch equipped with a locking mechanism that requires a key to operate the switching functions.

Low-Voltage — A switch rated for use on low-voltage circuits of 50 volts or less.

L-Rated — A switch specially designated with the letter "L" in its rating that is rated for controlling tungsten filament lamps on AC circuits only.

Maintained Contact — A switch where the actuator (toggle, rocker, pushbutton or key mechanism) makes and retains circuit contact when moved to the ON position. The contacts will only be opened when the actuator is manually moved to the OFF position. Ordinary light switches are maintained contact switches.

Manual Motor Controller — A switch designed for controlling small DC or AC motor loads, without overload protection.

Mercury — A type of switch that uses mercury as the contact means for making and breaking an electrical circuit.

Momentary Contact — A switch that makes circuit contact only as long as the actuator (toggle, rocker, pushbutton or key mechanism) is held in the ON position, after which it returns automatically to the OFF position. This is a "Normally Open" switch. A "Normally Closed" switch will break circuit contact as long as it is held in the OFF position, and then automatically return to the ON position. Available in "Center OFF" versions with both Momentary ON and Momentary OFF positions.

Pendant — A type of switch designed for installation at the end of a length of portable cord or cable,

Pilot Light — A switch with an integral lamp in its actuator (toggle, rocker or pushbutton) that illuminates when the switch is connected to an energized circuit and the actuator is in the ON position.

Pull — A switch where the making or breaking of contacts is controlled by pulling downward or outward on the actuator mechanism.

Push Button — A switch with an actuator mechanism that is operated by depressing a button.

Rotary — A switch where rotating the actuator in a clockwise direction makes the circuit connection, and then rotating the actuator in either the same or opposite direction breaks the connection.

Single-Pole, Double-Throw (SPDT) — A switch that makes or breaks the connection of a single conductor with either of two other single conductors. This switch has 3 terminal screws, and is commonly used in pairs and called a "Three-Way" switch.

Single-Pole, Single-Throw (SPST) — A switch that makes or breaks the connection of a single conductor in a single branch circuit. This switch has two screw terminals and ON/OFF designations. It is commonly referred to as a "Single-Pole" Switch.

Slide — A switch with a slide-action actuator for making or breaking circuit contact. Dimmer switches and fan speed controls are also available with slide-action mechanisms for lighting and fan speed control

Surface-Mounted — Any switch that mounts on a flat or plane surface.

Three-Position, Center OFF — A two circuit switch, either maintained or momentary contact, where the OFF position is designated as the center position of the actuator.

Three-Way — A switch, always used in pairs, that controls a single load such as a light fixture from two locations. This switch has three terminal screws and has no ON/OFF marking.

Time Delay — A switch with an integral mechanism or electronic circuit that will automatically switch a load OFF at a predetermined time interval.

GLOSSARY OF ELECTRICAL WIRING DEVICE TERMS

Timer — A switch with an integral mechanism or electronic circuit that can be set to switch an electrical load ON at a predetermined time.

Toggle — A switch with a lever-type actuator that makes or breaks switch contact as its position is changed.

T-Rated — A switch specially designated with the letter "T" in its rating that is rated for controlling tungsten filament lamps on direct current (DC) or alternating current (AC) circuits.

Wallplates

Combination — A multiple- gang wallplate with openings in each gang to accommodate different devices.

Decora® — Wallplates with Decora-size openings for compatibility with Leviton's entire line of Decora devices. Available in a variety of multiple-gang configurations. Screwless-design snap-on versions also available.

Flush — A wallplate designed for flush-mounting with wall surfaces or the plane surfaces of electrical equipment.

Gang — A term that describes the number of devices a wallplate is sized to fit (i.e. "2- gang" designates two devices).

Midway — Wallplates that are approx. $^{3}/_{8}$" higher and wider than the standard size that can be mounted onto larger volume outlet boxes and/or used to hide wall surface irregularities. These wallplates are approx. $^{1}/_{4}$" deep to ensure a proper fit when used with protruding devices.

Oversized — Wallplates that are approx. $^{3}/_{4}$" higher and wider than the standard size and are used to conceal greater wall irregularities than those hidden by Midway wallplates. These wallplates are approx. $^{1}/_{4}$" deep to ensure a proper fit when used with protruding devices.

Modular — Individual-section wallplates with different openings that can be configured into a multi-gang plate.

Multi-Gang — A wallplate that has two or more gangs.

Tandem — A wallplate with individual gangs arranged vertically one above the other.

Weatherproof (with Cover Closed) — A UL Listed cover that meets specific test standards for use in wet and damp locations with the cover closed.

Weatherproof (with Cover Open) — A UL Listed cover that meets specific test standards for use in wet and damp locations with the cover open or closed.

Surge Suppression

Clamping Voltage — The peak voltage that can be measured after a Surge Protective Device has limited or "clamped" a transient voltage surge.
Clamping voltage must be determined by using IEEE Standard C62 testing and evaluated by UL Standard 1449.

Joule Rating — The measurement of a Surge Protective Device's ability to absorb heat energy created by transient surges. Note that the Joule rating is not a part of IEEE or UL Standards. It is not as significant a specification as Clamping Voltage, Maximum Surge Current and other parameters recognized by these agencies.

Transient Voltage Surges — High-speed, high-energy electrical disturbances present on AC power lines and data and communication lines, generated by utility switching, motor-load switching and lightning strikes.

Response Time — The interval of time it takes for a surge protective device to react to a transient voltage surge. Note that this parameter is not a part of IEEE or UL Standards and is only based on estimations made by manufacturers.

Surge Protective Device — See "Transient Voltage Surge Suppressor (TVSS)" definition.

Transient Voltage Surge Suppressor (TVSS) — A device designed to protect sensitive electronic equipment such as computers and computer peripherals, logic controls, audio/video equipment and a wide range of microprocessor-based (computer chip) equipment from the harmful effects of transient voltage surges. Also referred to as a Surge Protective Device (SPD).

Maximum (Peak) Surge Current — The peak surge current a Surge Protective Device can withstand, based on IEEE Standard C62.45 test waveforms.

MOV (Metal Oxide Varistor) — The primary component used in most Surge Protective Devices to clamp down transient voltages.

UL 1449 Listing — The industry standard for Surge Protective Devices. A Surge Protective Device must have a UL 1449 Surge Suppression rating on its label in order to verify that the device has been tested with IEEE standardized waveforms. Devices without this identification should not be considered reliable surge protective devices.

SWITCHES

Types of Switches

Switches used in branch circuit wiring are rated in two general categories: AC ONLY and AC/DC. Originally, the electrical power furnished to residences and businesses by utility companies was Direct Current or DC. Because DC current was always flowing at full value, the making or breaking of a circuit created a rather strong arc during switch operation. For this reason, the contacts had to be widely gapped and the operation had to be "quick make, quick break" to avoid excessive pitting or welding of the contact points. Alternating current operates between zero and full power 120 times per second. Because of the oscillating characteristic of AC power, the arc from an AC circuit is self-extinguishing on the "break" of the current. This means a slower breaking action is possible on an AC switch, as opposed to the breaking action required of a switch made for use with continuous full-power DC. The pulsating nature of AC can, however, cause a "chattering" or very fast series of "makes" and "breaks" if the circuit is closed too quickly. For this reason an AC ONLY switch works with a somewhat slower "fast make" and "break" than an AC/DC switch. Because the make and break actions of an AC/DC switch must be fast, it can be rather noisy, and must use contact metals capable of enduring such comparatively violent action while still offering acceptable electrical conductivity. An alloy of copper is most often used. Silver and its oxides are better conductors than copper and its oxides. Silver is much softer than copper and therefore cannot be used in the AC/DC switch. However, silver can be used in the AC ONLY switch because of its gentler "fast make" characteristic, especially when silver is alloyed with cadmium oxide, a good conductor that's quite hard.

Switch Ratings

AC ONLY switches are often called AC Quiet switches because they can be made to operate very quietly, unlike AC/DC switches. AC ONLY switches are rated at their full current value for lighting, including tungsten filament, quartz metal-halide, and fluorescent; and 80% current value or full horsepower rating value for motor (inductive) loads. AC/DC switches used for incandescent lighting should have a "T" rating (tungsten-filament rating). The "T" rating assures end-users of the longevity of the switch through the surge currents of a "make" action across a tungsten filament. Such capacity is already inherent in the design of AC Quiet switches. AC/DC switches are rated at only 50% of their current capacity for motor loads. A 20 amp AC/DC switch could be used to control a 10 amp motor load, while a 20 amp AC Quiet switch can operate a 16 amp motor load.

In the past, MERCURY switches were available that operated by making and breaking contact within a hermetically sealed capsule containing a pool of mercury. MERCURY switches were actually silent in operation. However, due to health concerns about mercury, these switches are no longer manufactured and sold. MERCURY switches may still be in service in some installations.

Horsepower Ratings

Switches marked with Horsepower (HP) Ratings are suitable for controlling the motor loads of the HP ratings shown on the switch, as well as loads with a lower HP rating. To qualify for an HP rating, a switch is tested at six times the full motor load current corresponding the HP rating marked on the switch. For DC motor load controllers, the test is made at 10 times the full motor load current corresponding to the DC HP rating marked on the switch. The test is conducted on six samples and consists of 50 On-Off operations at the load. For a 3/4 HP rating at 120/240 VAC, two sets of six samples each are tested in addition to the regular overload endurance, heating and insulation tests. The test circuit characteristics are:

	For 3/4 HP Rating @ 120 VAC	For 3/4 HP @ 240 VAC
Closed Circuit Volts	120 VAC	240 VAC
Current	82.8 amps	41.4 amps
Power-Factor	0.40 – 0.50	0.40 – 0.50

Note: The current at 240 VAC is 1/2 that at 120 VAC.
All switches must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to ground (the switch frames are grounded during the Stalled Rotor Test).

DIMMERS

A common misconception about box-mounted dimmers is that they are simply variable resistors (rheostats) that absorb power to dim the lights. In fact, a rheostat would be too bulky, inefficient and heat producing to ever be practical as a wall-mounted dimmer. In the 1950's, the advent of solid state technology and a type of semi-conductor called the TRIAC fostered the development of full-range dimmers and fan speed controls that were versatile, efficient and compact enough to fit in a standard wallbox.

Leviton has always taken an active role in the development of lighting control technologies. Leviton introduced the Trimatron™ Rotary Dimmer that was only half as deep as conventional dimmers, allowing easier installation and wiring in a crowded wallbox. Today, Leviton offers innovative all-digital lighting controls that feature scene lighting and multi-location control capabilities for sophisticated residential and commercial installations. Leviton's complete line of controls for incandescent, low-voltage and fluorescent lighting includes Decora® and architectural specification grade devices, as well as traditional rotary devices. There is also a wide selection of Fan Speed Controls

See Page 223 for information on Leviton's comprehensive line of Lighting and Fan Speed Controls.

RECEPTACLES

Types of Receptacles

Receptacles generally are made to accommodate either of two types of plugs. *Straight-Blade* plugs are pushed in and pulled straight out. *Locking* plugs are pushed in and rotated slightly in a clockwise direction to a position were they cannot be pulled straight out. They must be rotated counterclockwise back to the insertion position in order to be withdrawn. This locking action is intended to prevent accidental disconnection of the circuit by pulling the plug straight out unintentionally.

Grounding

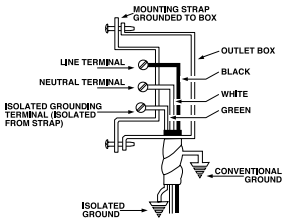
Originally, residential electrical circuitry was "2-pole, 2-wire" and did not have an equipment grounding means at the receptacle. The only grounding point was at the service entrance, where the neutral (white) conductor was grounded. The receptacle slot for the neutral wire, according to NEMA configuration 1-15R, must be longer than the slot for the phase or hot wire (typically black or red). This enables certain items of equipment, like TV sets and home appliances, to have their external metal parts or casing grounded through the white neutral connection. Such equipment uses a polarized plug where the neutral plug blade is wider than the hot plug blade, ensuring that it mates properly with the NEMA 1-15R configuration receptacle. Receptacles designed for 2-pole, 2-wire circuits do not have mounting straps that are connected to a grounding terminal. Leviton still offers 2-pole, 2-wire receptacles for replacement use only in existing non-grounding systems.

Experience proved that a single grounding point through the neutral conductor was not sufficiently safe. Conditions could occur where fault currents and differences in potential lead to shocks, overheating, equipment burnout and fire. Therefore, the 2-pole, 3-wire circuit was developed. A third conductor, called the grounding conductor, does not carry current during normal circuit operation. It is connected to the neutral bus bar at the service entrance and runs along with the current-carrying neutral and hot conductors. The grounding conductor is connected only to outlet boxes, chassis and other non-current carrying components that may carry current in case of damage or defects in the wiring system. It is sometimes referred to as the "equipment grounding conductor."

The grounding contacts on the 2-pole, 3-wire receptacles are most commonly shaped like a "U", which is how the term "U-ground" evolved. The grounding contacts on these receptacles are securely fastened to the mounting strap. In Leviton receptacles, the grounding contacts are permanently riveted to the mounting strap, and in most Leviton Hospital Grade and Industrial Grade receptacles they are an integral part of the strap. Many Leviton receptacles offer dual ground connection options to help ensure that the receptacle is properly connected to the grounding system: An integral green grounding screw for direct connection to the green or bare grounding wire, and a patented Groundamatic® self-grounding clip riveted to the strap to provide automatic ground connection when the receptacle is mounted in a properly grounded metal wallbox.

Isolated-Ground Receptacles

Although the conventional grounding system provides safety for personnel and equipment, it may be a source of electrical interference that can cause problems in modern electronic equipment. Because the conventional grounding network runs through an entire facility, it can unintentionally function as a pick-up of transient electrical signals or "noise." These transient signals will then be introduced to equipment through the ground connection. Microprocessor-based equipment, including computers, cash registers, medical equipment and audio/video equipment, may malfunction as a result of this noise. Isolated-Grounding Receptacles can help eliminate problems caused by electrical interference in a conventional ground system. The ground contacts on Isolated-Ground Receptacles are electrically isolated from the mounting strap and therefore they are isolated from the conventional ground system. The green ground screw is connected to a pure ground path that is separate from a facility's grounding network. The isolated ground network is relatively free of electrical noise because it is not a facility-wide grounding path and it's connected to ground at a single point.



ISOLATED-GROUNDING RECEPTACLES

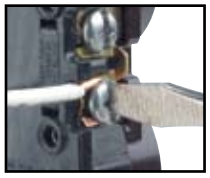
Mounting Straps

There are basically two kinds of mounting straps for receptacles. The "through" type passes between the receptacle body and cover. The "wrap-around" type acts as a cradle for the receptacle, surrounding its side, ends and bottom surfaces.

Power Contact Design

The "contact" does more than make contact with the plug blade — it must grip the plug blade for maximum electrical conductivity and mechanical strength. Leviton receptacles feature double-wipe contacts that grip both sides of each blade, including the U-ground contacts that are often single-wipe in receptacles made by other manufacturers. Leviton Hospital Grade and Industrial Grade receptacles feature triple-wipe contacts for added strength and durability in high-abuse applications. Leviton contacts are made of the copper alloys that offer maximum strength and electrical conductivity.

Wiring of Leviton Receptacles



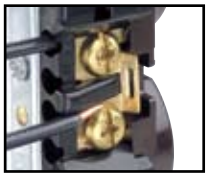
Side Wiring
Loop wire around terminal screw. Screw head locks wire against terminal. For copper or copper/clad aluminum conductors.



Quickwire™ Connection
Insert wire into wire well. Wire is automatically clamped by spring action, insuring good electrical connection. For copper conductors only.



Quickwire™ and Screw
Option of
(1) side wiring or
(2) Quickwire connection.
NOTE: For continuous wiring, both sets of terminals (screw and Quickwire) can be used together.



Back & Side Wiring
Option of (1) side wiring or (2) back wiring: Insert wire into well. Tighten screw, thus clamping wire against terminal. Back wiring for copper or copper/clad aluminum conductors.



Two-Circuit Conversion
To power each outlet of a duplex receptacle separately, simply break off the tab between the two terminals.

GROUND FAULT CIRCUIT INTERRUPTERS (GFCIs)

The Need for Ground Fault Protection

Circuit breakers and fuses protect equipment and building structures from overheating and fire caused by short circuits and high-current overloads. However, the current level needed to trip a breaker is many times greater than the amount of current needed to deliver a powerful, and possibly lethal electrical shock. For example, the hot conductor in an electrical device can become exposed through a break in its insulation, and it may end up touching the device's metal enclosure. The leakage current that now flows through the metal enclosure will be conducted to ground through any available path — including the body of a human being that happens to touch the faulty device. This condition is called a Ground Fault, and the current flowing through the person to ground can be life threatening, though there is usually nowhere near enough current to trip a circuit breaker.

How a GFCI Works

When there is a ground fault condition, all of the current flowing through the "hot" conductor is not returning through the neutral conductor. A Ground Fault Circuit Interrupter (GFCI) monitors the difference in current flow between hot and neutral conductors. If the GFCI senses even a very tiny difference in current flow between the conductors (a ground fault), it interrupts the flow of electrical current through the device by opening its internal double-pole contacts. According to UL Standard 943 Class A, the GFCI must trip when there is a ground fault of 5 milliamps (±1mA). The GFCI must also trip within approximately 25 milliseconds. GFCI receptacles are rated for 15 or 20 amp circuits. They are used in place of standard box-mounted duplex receptacles. GFCI receptacles can also be feed-through wired to provide ground fault protection to feed-through wired receptacles downstream.

See Page 149 for information on Leviton's comprehensive line of Ground Fault Circuit Interrupter Devices.

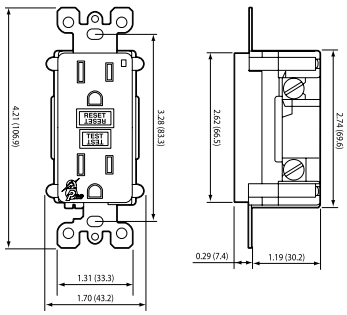
UL 2006 Code Requirements (Effective July 28, 2006)

- If a miswiring (line-load reversal) occurs during installation, the GFCI must not be capable of supplying power to either the GFCI's face or to feed-through terminals
- GFCIs must provide a visual and/or audible indication OR be able to render themselves incapable of delivering power when they no longer offer ground fault protection based on a failure to pass their internal test

Note that the National Electrical Code strongly recommends monthly testing of all GFCIs.

Leviton SmartlockPro® GFCI with Lockout Action

The TEST and RESET functions on Leviton's SmartlockPro® GFCI work together so that a tripped GFCI cannot be reset if the GFCI circuit is no longer providing ground fault protection. The RESET button is blocked if GFCI protection has been compromised, eliminating the possibility of end-users incorrectly assuming that a reset GFCI is providing ground fault protection when it actually is not.



SmartlockPro® GFCI RECEPTACLE 7599 Series

ENCLOSURE TYPE DESIGNATIONS

Enclosures serve the dual purpose of protecting personnel from incidental contact with the enclosed electrical equipment and protecting the enclosed equipment against specified environmental conditions. Enclosures are rated for use in specific environmental conditions by NEMA, UL, CSA and the IEC. The major rating systems used are the NEMA Type Numbers and the IEC Enclosure Classification Designation.

The IEC Enclosure Classification Designation — IP Suitability Ratings

The IP Suitability Ratings are a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number in the rating, the greater the degree of protection provided by the enclosure. Note that the rating will ONLY apply to properly installed equipment. The chart below defines the numerals in the IP Code.

1. The First Numeral indicates the degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. The Second Numeral indicates the degree of protection of equipment inside enclosures against damage from the ingress of water.

Elements of the IP Code

	Meaning for the Protection of Equipment	
Code Letters	First Number	Second Number
Ingress Protection	Against Ingress of Solid Foreign Objects	Against Ingress of Water with Harmful Effects
IP	0 - Non protected	0 - Non protected
	1 - ≥ 50 mm diameter	1 - Vertically dripping
	2 - ≥ 12.5 mm diameter	2 - Dripping (15° tilted)
	3 - ≥ 2.5 mm diameter	3 - Spraying
	4 - ≥1.0 mm	4 - Splashing
	5 - Dust-protected	5 - Jetting
	6 - Dust-tight	6 - Power jetting
		7 - Temporary immersion
		8 - Continuous immersion

Note: > denotes greater than or equal to. **Example:** IP 54 Suitability Rating = Ingress Protection/Dust-protected/Splashing.

ENCLOSURE TYPES FOR NON-HAZARDOUS LOCATIONS

National Electrical Manufacturers Association
NEMA Standards Publication No. 250-1991
Enclosures for Electrical Equipment (1000 Volts max.)

Type Designation	Intended Use and Description
	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to enclosed equipment against the specified environmental conditions.
Type 1	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
Type 2	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling water or dirt.
Type 3	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and damage from external ice formation.

Underwriters Laboratories Inc.
UL50 Standard for Enclosures for Electrical Equipment (10th Edition)

Type Designation	Intended Use and Description
	Enclosure — A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions. A complete enclosure shall be provided for all live parts that may be housed in it. The enclosure shall be tight and, unless designed for a specific installation, such as a cast metal junction or pull box intended to be installed in poured concrete, shall be provided with means for mounting.
Type 1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
Type 2	Indoor use primarily to provide a degree of protection against limited amounts of falling water or dirt.
Type 3	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.

Canadian Standards Association
CAN/CSA C22.2 No. 94-M91 Special Purposes Enclosures

Type Designation	Intended Use and Description
	Enclosures — provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment against specified environmental conditions.
Type 1	No CSA equivalent.
Type 2	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of noncorrosive liquids, and falling dirt.
Type 3	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosures.

National Electrical Manufacturers Association
NEMA Standards Publication No. 250-1991
Enclosures for Electrical Equipment (1000 Volts max.)

Type Designation	Intended Use and Description
Type 3R	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
Type 3S	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.
Type 4	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
Type 4X	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water, and damage from external ice formation.
Type 5	Enclosures are intended for indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
Type 6	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.
Type 6P	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.
Type 12	Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 12K	Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, fallling dirt, and dripping noncorrosive liquids.
Type 13	Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolants.

TESTING STANDARDS

About PSI Ratings

PSI is an abbreviation for pounds per square inch. With respect to water washdowns in processing plants and industrial marinas, a PSI value should specify the distance from the nozzle at which the value was taken. Consider the following situation: 1,000 PSI measured 2 inches from the plug/connector or 2 ft. from the plug/connector will deliver dramatically different forces.



Leviton Wetguard devices are tested and exceed IEC and UL watertight standards. These independent tests have defined parameters as noted below:

IEC IP Water Penetration Test:

Water is sprayed from a distance of 3 meters and at a rate of 100 liter/minute on a joined plug and connector using a 12.5mm diameter nozzle. The water spray is directed at the connector/plug joint and cable entries.



Result: Wetguard Plugs and Connectors are rated to IP67 when connected.

UL NEMA Water Penetration Test:

Water is sprayed from a distance of 12 ft. and at a rate of 65 gallons/minute on a joined plug and connector using a 1 inch diameter nozzle. The water spray is directed at the connector/plug joint and cable entries.

Result: Wetguard Plugs and Connectors are rated to NEMA 4X, 6, and 6P when connected.

ENCLOSURE TYPES FOR NON-HAZARDOUS LOCATIONS

Underwriters Laboratories Inc.
UL50 Standard for Enclosures for Electrical Equipment (10th Edition)

Type Designation	Intended Use and Description
Type 3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
Type 3S	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.
Type 4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
Type 4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.
Type 5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
Type 6	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.
Type 6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.
Type 12	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorosive coolant.

Canadian Standards Association
CAN/ CSA C22.2 No. 94-M91 Special Purposes Enclosures

Type Designation	Intended Use and Description
Type 3R	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3S	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 4	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 5	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of noncorrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamaged by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; dripping and light splashing of noncorrosive liquids; not provided with knockouts.
Type 12K	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; dripping and light splashing of noncorrosive liquids; and provided with knockouts.
Type 13	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of noncorrosive liquids including oils and coolants.

NEMA AND IEC ENCLOSURE CLASSIFICATIONS

Comparing NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations (IP Suitability Rating)

IEC

IEC Publication 529, "Classification of Degrees of Protection Provided by Enclosures," defines the IP (Ingress Protection) Suitability Rating. The IP Suitability Rating is a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number in the rating, the greater the degree of protection provided by the enclosure. The first numeral of the code indicates the degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects. The second numeral indicates the degree of protection of equipment inside enclosures against damage from the ingress of water. The IP Suitability Rating defined by IEC 529 does not specify any degree of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (i.e. condensation), corrosive vapors, fungus, or vermin.

NEMA

NEMA Standards Publication 250 defines the NEMA Enclosure Type Numbers. Unlike the IEC Enclosure Classification Designations, NEMA Standards Publication 250 does tests for environmental conditions such as corrosion, rust, icing, oil and coolants. For this reason and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers. The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. Note that the NEMA Types meet or exceed the test requirements for the associated IEC Classifications. Therefore, this table cannot be used to convert from IEC Classifications to NEMA Types.

Converting NEMA Type Numbers to IEC Classification Designations

(**Note:** This table cannot be used to convert IEC classification designations to NEMA type numbers).

NEMA Enclosure Type Number Designation	Equivalent IEC Enclosure Classification
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

Materials Used in Wiring Devices

The following is an overview of the materials commonly used in wiring devices. Note that specific brand names of materials used in Leviton devices are subject to change due to a variety of factors. These changes will never compromise the quality, performance and durability features of our wiring devices. Leviton is committed to maintaining the positive qualities of the materials being replaced and choosing new materials with superior qualities as they become available.

Brass

The type of brass commonly used in wiring devices is referred to as standard or "70/30" brass. It is an alloy of 70% copper and 30% zinc that provides the strength and conductivity needed for power and ground contacts, wiring terminals and terminal screws. It is also used for some mounting straps and wallplates.

The Olin Corporation offers a series of alloys sometimes referred to as High Performance Brass or "Olin Brass." Olin brass is a copper alloy consisting of more than 90% copper. It is more resilient than 70/30 brass and used by Leviton to form the power contacts in some Industrial Grade and Hospital Grade devices.

Phosphor Bronze

Phosphor Bronze, an alloy of copper and tin, is superior in strength to 70/30 brass. The advantage of using phosphor bronze parts is that they can be thinner than comparable parts made of standard brass without any loss in strength. For example, Leviton uses a phosphor bronze alloy of 95% copper and 5% tin to form power contacts in some Industrial Grade receptacles. Phosphor bronze power contacts at .031" outperform brass power contacts of a thicker gauge.

Beryllium Copper

An alloy of copper and .5% beryllium is used to form some of the components in Leviton Industrial Grade devices. Beryllium Copper provides excellent strength, durability, electrical conductivity. It also retains its resiliency at elevated temperatures. These properties make Beryllium Copper ideal for the contact arm in heavy-duty switches.

Silver-Cadmium Oxide

Although pure silver is an excellent conductor (superior to copper), it cannot be used for switch contacts. Over time, arcing caused by actuation would weld the silver contacts together. Silver-cadmium oxide, an alloy of 90% silver and 10% cadmium oxide, is widely used by Leviton to form switch contacts. Microscopic particles of cadmium oxide in the silver will decompose due to the heat buildup, preventing the contacts from welding together.

Zinc-Plated Steel

In additon to being strong and durable, zinc-plated steel provides a higher degree of corrosion resistance than standard cold-rolled steel. Leviton uses zinc-plated steel mounting straps in many of its devices. Leviton also offers zinc-plated steel wallplates for power receptacles, available with either a brass or aluminum finish.

Nickel-Plated Metals

Nickel-plating adds a high degree of corrosion resistance to either brass or steel. All the metal parts in Leviton Corrosion Resistant devices (blades, contacts, terminals, mounting straps and screws) are nickel-plated for maximum corrosion resistance. In some cases, cupronickel screws are used, which provide a high degree of corrosion resistance.

Leviton uses an electroless nickel-plating process. The standard plating process uses an electrical charge to coat the metal with nickel. This can produce uneven results, leaving some areas of the metal more coated than others. The more effective electroless process involves submerging the metal in a chemical bath where salts decompose and deposit nickel on the metal substrate. Every surface of the metal is evenly coated. Leviton uses this electroless process to ensure that its Corrosion Resistant wiring devices provide maximum performance in extremely damp and corrosive environments.

Stainless Steel

Type 430 Standard Stainless Steel

Type 430 stainless steel is resistant to the corrosive effects of moisture. Leviton offers a wide selection of wallplates made from this material. Leviton's Raintight-While-In-Use Covers are supplied with stainless-steel mounting screws to help ensure a long service life in wet applications. Note that Type 430 Stainless Steel does have magnetic properties that may interfere with magnetic-sensitive equipment.

Type 302/304 Non-Magnetic Stainless Steel

Type 302/304 Non-Magnetic Stainless Steel is suitable for applications where sensitive equipment may be affected by magnetic material. For example, navigational equipment in marine applications and MRI equipment in health care environments are susceptible to magnetic interference. In addition to being non-magnetic, Type 302/304 stainless Steel is more corrosion resistant than Type 430 stainless steel. Types 302 and 304
differ in composition, but there is virtually no difference between them in terms of non-magnetic and corrosion-resistant properties.

NEMA AND IEC ENCLOSURE CLASSIFICATIONS

Leviton offers a complete selection of wallplates made of Type 302/304 Non-Magnetic Stainless Steel. These wallplates are ideal for any application where magnetic interference must be avoided. Leviton's Corrosion Resistant wiring devices feature non-magnetic stainless steel assembly screws to ensure their suitability in marine applications. For health care applications where non-magnetic devices are desired, Leviton's Corrosion Resistant devices should also be used.

CO/ALR Devices

Aluminum is used for residential wiring in Europe because it is a good conductor and considerably cheaper than copper. Houses with aluminum wiring were built in the United States, but the practice stopped at least twenty years ago. It was discovered that poor connections between aluminum wire and steel or brass terminal screws led to serious fires. There are still homes with aluminum wiring, and the National Electrical Code stipulates that only CO/ALR devices are to be used in these applications.

Aluminum wire tends to oxidize over time, and the oxide layer does not conduct electricity. This results in a poor connection with the wiring device terminal screws, particularly if they are steel. The connections gradually heat up to the point where fires are started inside the walls. For this reason, all standard wiring devices contain the warning, "For use with copper or copper-clad wire ONLY. Do not use with aluminum wire." The only exception to this are CO/ALR wiring devices.

Leviton offers a selection of CO/ALR devices for use with aluminum wire. In CO/ALR devices, the terminal screws are plating with the element Indium. Indium is an extremely soft metal that forms a gas-sealed connection with the aluminum wire, eliminating problems caused by oxidation.

Thermoset and Thermoplastic Material

There are significant benefits in using thermoplastics in wiring devices instead of thermosets. Each type of thermoplastic also has particular characteristics that may make it ideally suited for a specific application.

Thermosets

Thermoset components are manufactured by compression molding, where powdered material is molded by heat and pressure. Thermoset materials cannot be remolded. The major types of thermoset materials are Phenolic, Urea and Melamine. Phenolic is primarily used for dark colors, while Urea is used for lighter colors.

All thermoset materials provide dimensional stability when used in wiring devices. Phenolic is also a flame-resistant material. Thermosets do not provide a high degree of resistance to impacts, chemicals and solvents, and therefore they are not suitable for heavy-duty applications. Thermosets are not used in Leviton Industrial Grade devices. Urea is still widely used to manufacture wallplates.

Thermoplastics

Thermoplastic components are manufactured by injection molding where pellets of the material are heated to a liquid which can flow into a mold. Unlike thermosets, thermoplastics can be remolded. These materials are the preferred choice for heavy-duty applications because they provide superior resistance to impacts, chemicals
and solvents compared to thermosets. The following is a list of the major types of thermoplastic materials, along with some well-known brand names.

- Nylon: Zytel® 101 Type 66 and Zytel Supertough ST 801 Type 66
- Polycarbonate: Lexan®, Calibre®, Makrolon®
- Polyester: Valox®, Rynite®
- ABS
- Acrylic
- Polypropylene

Zytel® and Rynite® are registeredtrademaks of the DuPont Co.
Lexan® and Valox® are registeredtrademaks of the General Electric Co.
Calibre® is a registered trademark of the Dow Chemical Co.
Makrolon® is a registered trademark of Bayer, Inc.

CHEMICAL RESISTANCE OF MATERIALS COMMONLY USED IN WIRING DEVICES*

CHEMICALS	Nylon	Melamine	Phenolic	Urea	Polyvinyl Chloride	Poly-carbonate	Rubber	Polyester	Poly-propylene
Acids	C	B	B	B	A	B	B	A	A
Alcohol	A	A	A	A	A	A	B	A	A
Caustic Bases	A	B	B	B	A	C	C	B	A
Gasoline	A	B	A	C	A	B	B	A	A
Grease	A	A	A	A	A	B	B	A	A
Kerosene	A	A	A	A	A	B	A	A	A
Oil	A	A	A	A	A	B	A	A	A
Solvents	A	A	A	A	C	C	C	B	B
Water	A	A	A	A	A	A	B	A	A

A – Completely resistant — Good to excellent for general use.
B – Resistance is fair to good — Recommended for limited service.
C – Slow attack. No recommended for use.
***This chemical resistance code applies to general applications. Additonal testing is performed to determine resistivity to chemicals in specific environments.**

Thermoplastic Enhancements

UV Stability

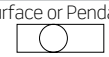
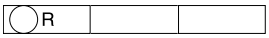
Thermoplastics provide varying degrees of UV (Ultraviolet Light) stability. For example, standard grade nylon will lose tensile strength and durability when exposed to sunlight and weathering. Discoloring will also occur. There are additives that will increase the UV stability of thermoplastics. UV Stabilized thermoplastics should be used when a device is intended for extensive outdoor use. For example, Leviton uses UV- stabilized Lexan in its Raintight-While-In-Use Cover, with excellent results.

Glass-Reinforced Thermoplastics

Several types of thermoplastics are available in glass-reinforced versions, including Rynite®, Lexan®, Valox® and nylon. Glass reinforcement increases the rigidity of the material and also raises the operating temperature.
For example, Leviton Momentary and Maintained Contact Switches feature glass-reinforced thermoplastic construction, making these switches ideally suited for rugged applications.

ANSI ARCHITECTURAL SYMBOLS

1. LIGHTING OUTLETS

		Ceiling	Wall
1.1	Surface or Pendant Incandescent, Mercury-Vapor, or Similar Lamp Fixture		
1.2	Recessed Incandescent, Mercury-Vapor, or Similar Lamp Fixture		
1.3	Surface or Pendant Individual Fluorescent Fixture		
1.4	Recessed Individual Fluorescent Fixture		
1.5	Surface or Pendant Continuous Row Fluorescent Fixture		
1.6	Recessed Continuous Row Fluorescent Fixture		
1.7	Bare-Lamp Fluorescent Strip		
1.8	Surface or Pendant Exit Light		
1.9	Recessed Exit Light		
1.10	Blanket Outlet		
1.11	Junction Box		
1.12	Outlet Controlled by Low-Voltage Switching when Relay is Installed in Outlet Box		

2. RECEPTACLE OUTLETS

		Grounded	Ungrounded
2.1	Single Receptacle Outlet		
2.2	Duplex Receptacle Outlet		
2.3	Triplex Receptacle Outlet		
2.4	Quadruplex Receptacle Outlet		
2.5	Duplex Receptacle Outlet — Split Wired		
2.6	Triplex Receptacle Outlet — Split Wired		
2.7	Single Special-Purpose Receptacle Outlet		
2.8	Duplex Special-Purpose Receptacle Outlet		
2.9	Range Outlet (typical)		

		Grounded	Ungrounded
2.10	Special Purpose Connection or Provision for Connection		
2.11	Multi-outlet assembly		
2.12	Clock Hanger Receptacle		
2.13	Fan Hanger Receptacle		
2.14	Floor Single Receptacle Outlet		
2.15	Floor Duplex Receptacle Outlet		
2.16	Floor Special-Purpose Outlet		

3. SWITCH OUTLETS

3.1	Single-Pole Switch	**S**
3.2	Double-Pole Switch	**S2**
3.3	Three-Way Switch	**S3**
3.4	Four-Way Switch	**S4**
3.5	Key-Operated Switch	**SK**
3.6	Switch and Pilot Lamp	**SP**
3.7	Switch for Low-Voltage Switching System	**SL**
3.8	Maser Switch for Low-Voltage Switching System	**SLM**
3.9	Switch and Single Receptacle	
3.10	Switch and Double Receptacle	
3.11	Door Switch	**SD**
3.12	Time Switch	**ST**
3.13	Circuit Breaker Switch	**SCB**
3.14	Momentary Contact Switch or Pushbutton for Other Than Signaling System	**SMC**
3.15	Ceiling Pull Switch	

4. RESIDENTIAL OCCUPANCIES

4.1	Pushbutton	
4.2	Buzzer	
4.3	Bell	
4.4	Combination Bell-Buzzer	
4.5	Chime	CH
4.6	Annunciator	

NEMA STRAIGHT BLADE CONFIGURATIONS

For General-Purpose Nonlocking Plugs and Receptacles

2-Pole, 2-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125V	1	1-15R 	1-15P 								
250V	2		2-15P 	2-20R 	2-20P 	2-30R 	2-30P 				
277V AC	3	Reserved For Future Configurations									
600V	4	Reserved For Future Configurations									

2-Pole, 3-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125V	5	5-15R 	5-15P 	5-20R 	5-20P 	5-30R 	5-30P 	5-50R 	5-50P 		
250V	6	6-15R 	6-15P 	6-20R 	6-20P 	6-30R 	6-30P 	6-50R 	6-50P 		
277V AC	7	7-15R 	7-15P 	7-20R 	7-20P 	7-30R 	7-30P 	7-50R 	7-50P 		
347V AC	24	24-15R 	24-15P 	24-20R 	24-20P 	24-30R 	24-30P 	24-50R 	24-50P 		
480V AC	8	Reserved For Future Configurations									
600V	9	Reserved For Future Configurations									

3-Pole, 3-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125/250V	10			10-20R 	10-20P	10-30R	10-30P	10-50R	10-50P		
3Ø 250V	11	11-15R	11-15P	11-20R	11-20P	11-30R	11-30P	11-50R	11-50P		
3Ø 480V	12	Reserved For Future Configurations									
3Ø 600V	13	Reserved For Future Configurations									

3-Pole, 4-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125/250V	14	14-15R	14-15P	14-20R	14-20P	14-30R	14-30P	14-50R	14-50P	14-60R	14-60P
3Ø 250V	15	15-15R	15-15P	15-20R	15-20P	15-30R	15-30P	15-50R	15-50P	15-60R	15-60P
3Ø 480V	16	Reserved For Future Configurations									
3Ø 600V	17	Reserved For Future Configurations									

NEMA STRAIGHT BLADE CONFIGURATIONS

For General-Purpose Nonlocking Plugs and Receptacles

4-Pole, 4-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
3ØY 120/208V	18	18-15R 	18-15P 	18-20R 	18-20P 	18-30R 	18-30P 	18-50R 	18-50P 	18-60R 	18-60P 
3ØY 277/480V	19	Reserved For Future Configurations									
3ØY 347/600V	20	Reserved For Future Configurations									

4-Pole, 5-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
3ØY 120/208V	21	Reserved For Future Configurations									
3ØY 277/480V	22	Reserved For Future Configurations									
3ØY 347/600V	23	Reserved For Future Configurations									

NEMA LOCKING CONFIGURATIONS

For Locking Type Plugs and Receptacles

2-Pole, 2-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125V	L1	L1-15R 	L1-15P 				
250V	L2			L2-20R 	L2-20P 		
277V AC	L3	Reserved For Future Configurations					
600V	L4	Reserved For Future Configurations					

2-Pole, 3-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125V	L5	L5-15R 	L5-15P 	L5-20R 	L5-20P 	L5-30R 	L5-30P 
250V	L6	L6-15R 	L6-15P 	L6-20R 	L6-20P 	L6-30R 	L6-30P 
277V AC	L7	L7-15R 	L7-15P 	L7-20R 	L7-20P 	L7-30R 	L7-30P 
347V AC	L24			L24-20R 	L24-20P 		
480V AC	L8			L8-20R 	L8-20P 	L8-30R 	L8-30P 
600V AC	L9			L9-20R 	L9-20P 	L9-30R 	L9-30P 

3-Pole, 3-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125/250V	L10			L10-20R 	L10-20P 	L10-30R 	L10-30P 
3Ø 250V	L11	L11-15R 	L11-15P 	L11-20R 	L11-20P 	L11-30R	L11-30P
3Ø 480V	L12			L12-20R	L12-20P	L12-30R	L12-30P
3Ø 600V	L13					L13-30R	L13-30P

3-Pole, 4-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125/250V	L14			L14-20R	L14-20P	L14-30R	L14-30P
3Ø 250V	L15			L15-20R	L15-20P	L15-30R	L15-30P
3Ø 480V	L16			L16-20R	L16-20P	L16-30R	L16-30P
3Ø 600V	L17					L17-30R	L17-30P

NEMA LOCKING CONFIGURATIONS
For Locking Type Plugs and Receptacles

4-Pole, 4-Wire

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
3ØY 120/208V	L18			L18-20R 	L18-20P 	L18-30R 	L18-30P 
3ØY 277/480V	L19			L19-20R 	L19-20P 	L19-30R 	L19-30P 
3ØY 347/600V	L20			L20-20R 	L20-20P 	L20-30R 	L20-30P 

4-Pole, 5-Wire Grounding

Voltage	No.	15 AMPERE		20 AMPERE		30 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
3ØY 120/208V	L21			L21-20R 	L21-20P 	L21-30R 	L21-30P 
3ØY 277/480V	L22			L22-20R 	L22-20P 	L22-30R 	L22-30P 
3ØY 347/600V	L23			L23-20R 	L23-20P 	L23-30R 	L23-30P 

HORSEPOWER RATINGS FOR NEMA CONFIGURATIONS —
For Plugs and Receptacles Only

STRAIGHT BLADE CONFIGURATIONS

NEMA	AC HP Rating	Rating
1-15	0.5	15A-125V
2-15	1.5*	15A-250V
2-20	2*	20A-250V
2-30	2*	30A-250V
5-15	0.5	15A-125V
5-20	1	20A-125V
5-30	2	30A-125V
5-50	2	50A-125V
6-15	1.5*	15A-250V
6-20	2*	20A-250V
6-30	2*	30A-250V
6-50	3*	50A-250V
7-15	2	15A-277V AC Only
7-20	2	20A-277V AC Only
7-30	3	30A-277 V AC Only
7-50	5	50A-277V AC Only
10-20	2 L-L*/1 L-N	20A-125/250V
10-30	2 L-L*/2 L-N	30A-125/250V
10-50	3 L-L*/2 L-N	50A-125/250V
11-15	2	15A-250V 3Ø
11-20	3	20A-250V 3Ø
11-30	3	30A-250V 3Ø
11-50	7.5	50A-250V 3Ø
14-15	1.5 L-L*/0.5 L-N	15A-125/250V
14-20	2 L-L*/1 L-N	20A-125/250V
14-30	2 L-L*/2 L-N	30A-125/250V
14-50	3 L-L*/2 L-N	50A-125/250V
14-60	3 L-L*/2 L-N	60A-125/250V
15-15	2	15A-250V 3Ø
15-20	3	20A-250V 3Ø
15-30	3	30A-250V 3Ø
15-50	7.5	50A-250V 3Ø
15-60	10	60A-250V 3Ø
18-15	2	15A-120/208V 3ØY
18-20	2	20A-120/208V 3ØY
18-30	3	30A-120/208V 3ØY
18-50	7.5	50A-120/208V 3ØY
18-60	7.5	60A-120/208V 3ØY

L-L Denotes phase-to-phase HP rating.
L-N Denotes phase-to-neutral HP rating.
*Suitable for 208V motor applications at HP rating.

LOCKING CONFIGURATIONS

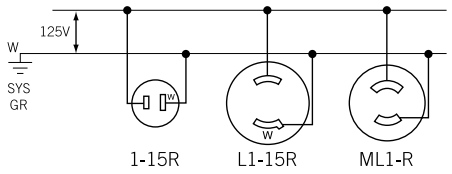
NEMA	AC HP Rating	Rating
L1-15	0.5	15A-125V
L2-20	2*	20A-250V
L5-15	0.5	15A-125V
L5-20	1	20A-125V
L5-30	2	30A-125V
L6-15	1.5*	15A-250V
L6-20	2*	20A-250V
L6-30	2*	30A-250V
L7-15	2	15A-277V AC Only
L7-20	2	20A-277V AC Only
L7-30	3	30A-277V AC Only
L8-20	3	20A-480V AC Only
L8-30	5	30A-480V AC Only
L9-20	NA	20A-600V AC Only
L9-30	NA	30A-600V AC Only
L10-20	2 L-L*/1 L-N	20A-125/250V
L10-30	2 L-L*/2 L-N	30A-125/250V
L11-15	2	15A-250V 3Ø
L11-20	3	20A-250V 3Ø
L11-30	3	30A-250V 3Ø
L12-20	5	20A-480V 3Ø
L12-30	10	30A-480V 3Ø
L13-30	NA	30A-600V 3Ø
L14-20	2 L-L*/1 L-N	20A-125/250V
L14-30	2 L-L*/2 L-N	30A-125/250V
L15-20	3	20A-250V 3Ø
L15-30	3	30A-250V 3Ø
L16-20	5	20A-480V 3Ø
L16-30	10	30A-480V 3Ø
L17-30	NA	30A-600V 3Ø
L18-20	2	20A-120/208V 3ØY
L18-30	3	30A-120/208V 3ØY
L19-20	5	20A-277/480V 3ØY
L19-30	10	30A-277/480V 3ØY
L20-20	NA	20A-347/600V 3ØY
L20-30	NA	30A-347/600V 3ØY
L21-20	2	20A-120/208V 3ØY
L21-30	3	30A-120/208V 3ØY
L22-20	5	20A-277/480V 3ØY
L22-30	10	30A-277/480V 3ØY
L23-20	NA	20A-347/600V 3ØY

L-L Denotes phase-to-phase HP rating.
L-N Denotes phase-to-neutral HP rating.
*Suitable for 208V motor applications at HP rating.

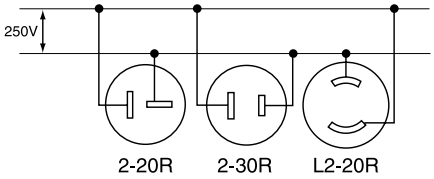
CIRCUIT WIRING DIAGRAMS

Wiring Diagrams for NEMA Configurations

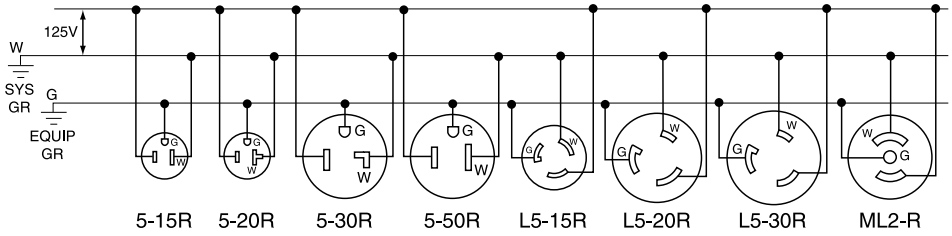
125V — 2-POLE, 2-WIRE



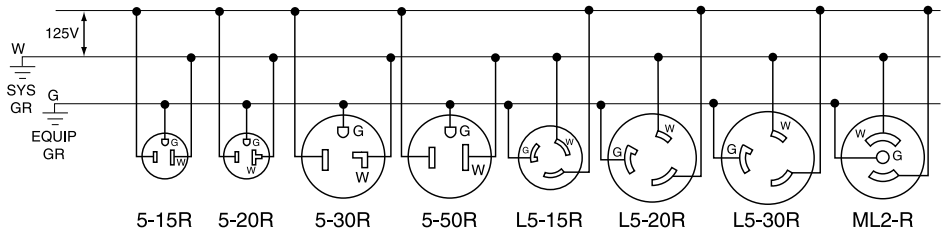
250V — 2-POLE, 2-WIRE



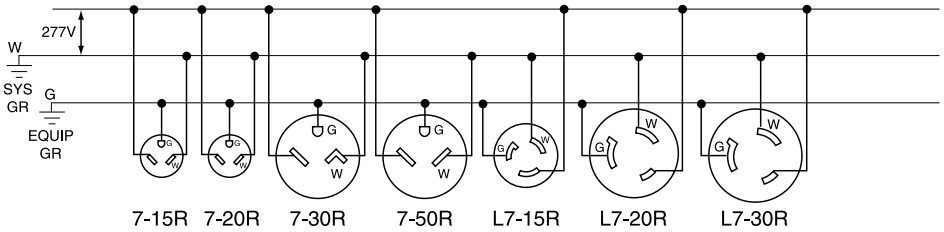
125V — 2-POLE, 3-WIRE GROUNDING



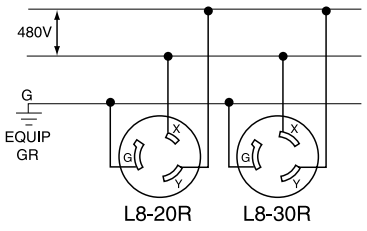
250V — 2-POLE, 3-WIRE GROUNDING



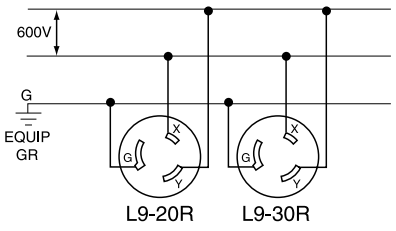
277V AC — 2-POLE, 3-WIRE GROUNDING



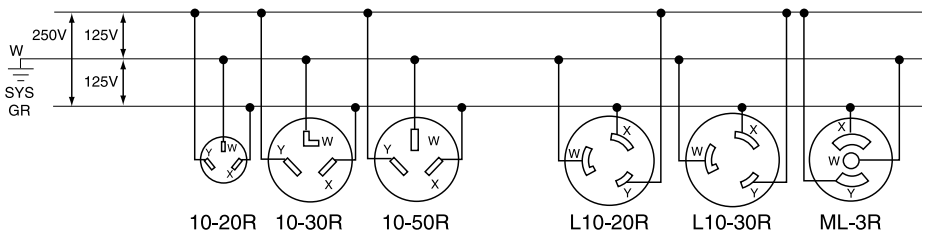
480V AC — 2-POLE, 3-WIRE GROUNDING



600V AC — 2-POLE, 3-WIRE GROUNDING



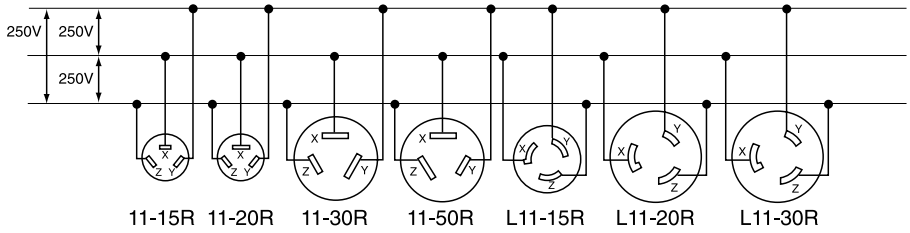
125/250V — 3-POLE, 3-WIRE



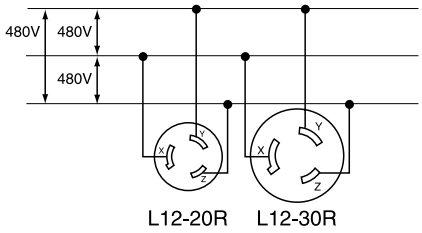
CIRCUIT WIRING DIAGRAMS

Wiring Diagrams for NEMA Configurations

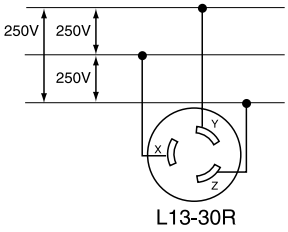
3Ø 250V — 3-POLE, 3-WIRE



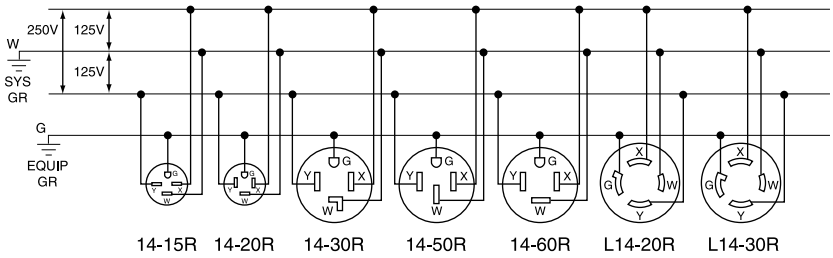
3Ø 480V — 3-POLE, 3-WIRE



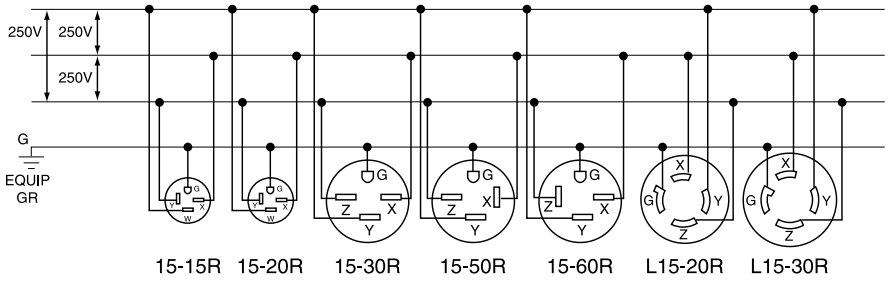
3Ø 600V — 3-POLE, 3-WIRE



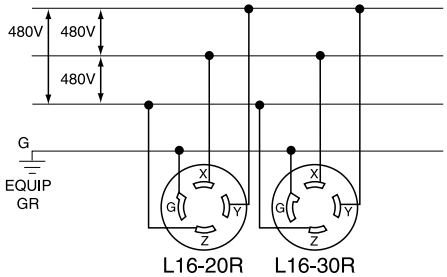
125/250V — 3-POLE, 4-WIRE GROUNDING



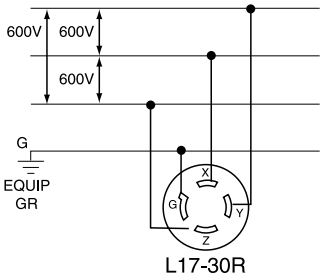
3Ø 250V — 3-POLE, 4-WIRE GROUNDING



3Ø 480V — 3-POLE, 4-WIRE GROUNDING



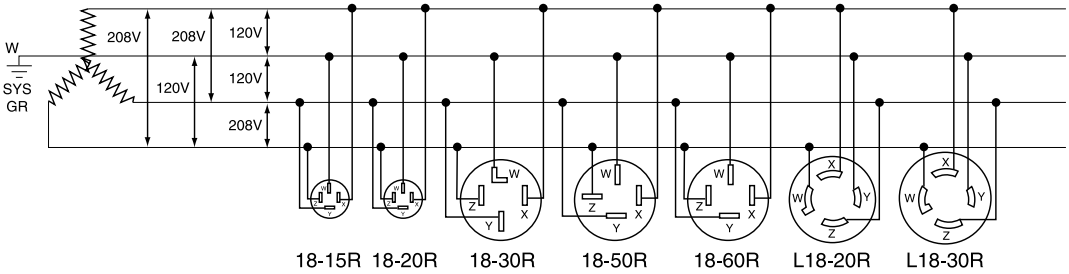
3Ø 600V — 3-POLE, 4-WIRE GROUNDING



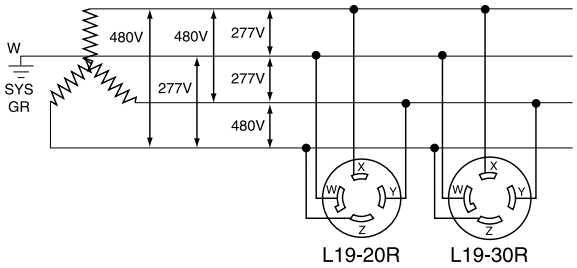
CIRCUIT WIRING DIAGRAMS

Wiring Diagrams for NEMA Configurations

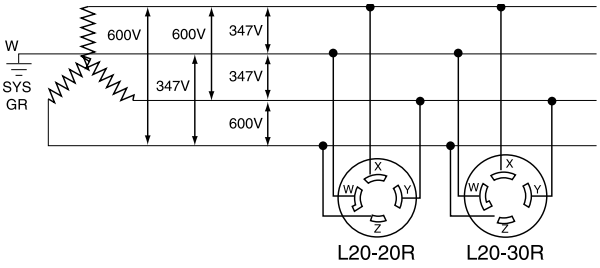
3ØY 120/208V — 4-POLE, 4-WIRE



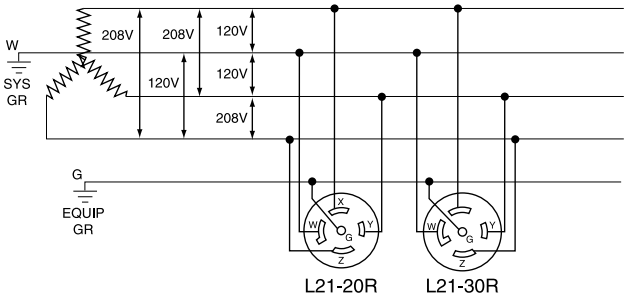
3ØY 277/480V — 4-POLE, 4-WIRE



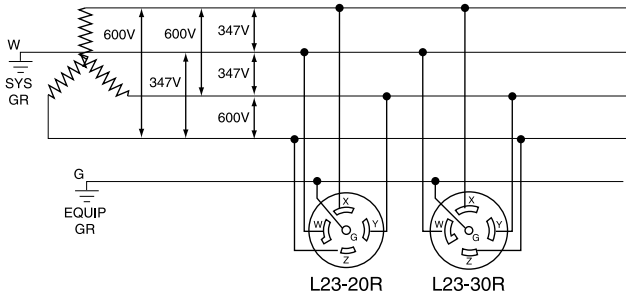
3ØY 347/600V — 4-POLE, 4-WIRE



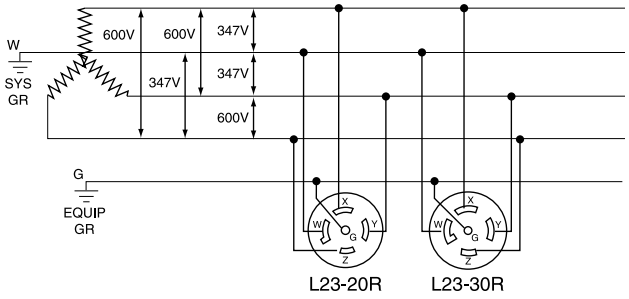
3ØY 120/208V — 4-POLE, 5-WIRE GROUNDING



3ØY 277/480V — 4-POLE, 5-WIRE GROUNDING

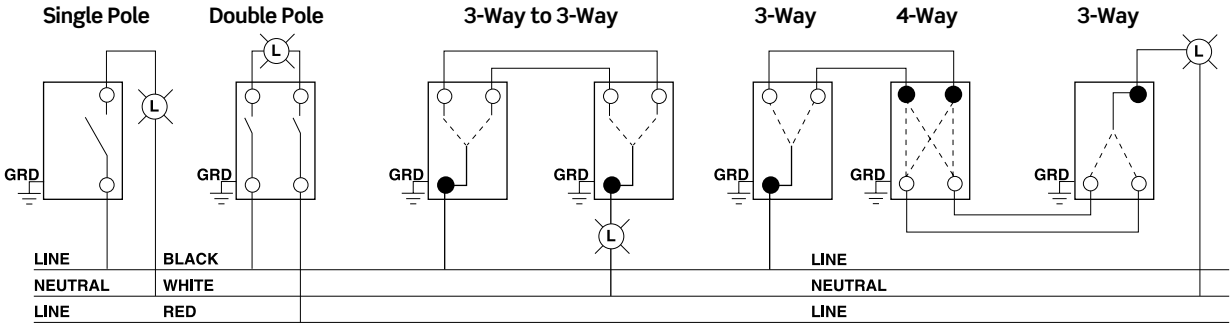


3ØY 347/600V — 4-POLE, 5-WIRE GROUNDING

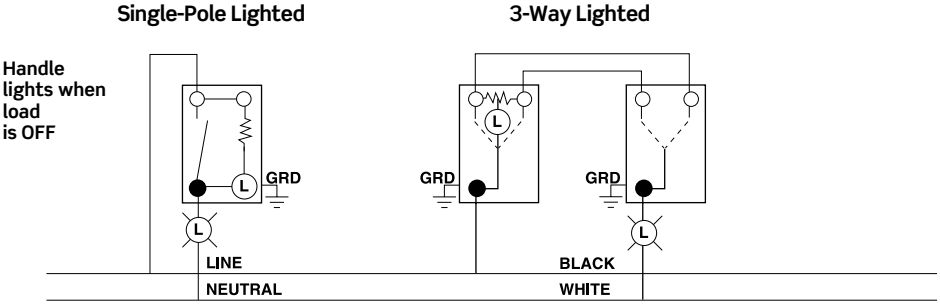


SWITCH WIRING DIAGRAMS

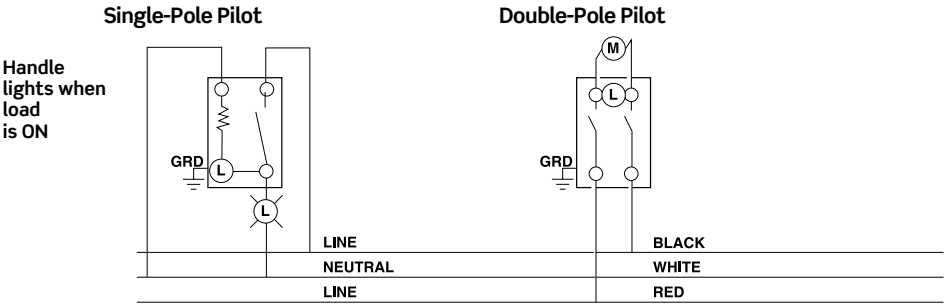
STANDARD TOGGLE TYPE SWITCHES



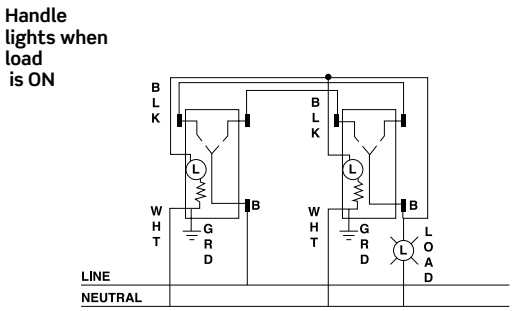
LIGHTED HANDLE SWITCHES



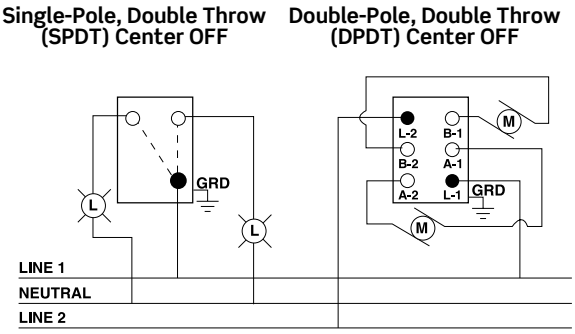
PILOT LIGHT SWITCHES



3-WAY PILOT SWITCHES



3-POSTION SWITCHES MOMENTARY AND MAINTAINED



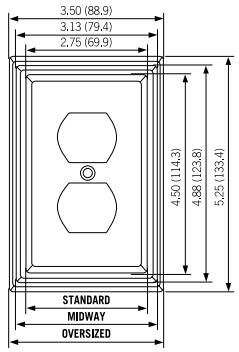
DIAMETER RANGES OF JACKETED CORD IN ACCORDANCE WITH STANDARD UL62

Acceptable Range For Overall Diameter of Jacketed Cord Indicated in Inches and Millimeters (in parentheses)

TYPE OF CORD	AWG SIZE	2-CONDUCTOR	3-CONDUCTOR	4-CONDUCTOR	5-CONDUCTOR
SV, SVO, SVT, SVTO	18	.22-.26 (5.6-6.6)	.23-.27 (5.8-6.9)	—	—
SJ, SJO, SJT, SJTO	18	.28-.32 (7.1-8.1)	.30-.34 (7.6-8.6)	.33-.37 (8.4-9.4)	—
	16	.31-.34 (7.9-8.6)	.33-.36 (8.4-9.1)	35-.40 (8.9-10.2)	—
	14	.34-.38 (8.6-9.7)	.36-.40 (9.1-10.2)	.39-.44 (9.9-11.2)	—
	12	.41-.46 (10.4-11.7)	.43-.48 (10.9-12.2)	.47-.52 (11.9-13.2)	—
	10	.54-.61 (13.7-15.5)	.57-.64 (14.5-16.3)	.63-.70 (16.0-17.8)	—
S, SO, ST, STO	18	.34-.39 (8.6-9.9)	.36-.40 (9.1-10.2)	.39-.43 (9.9-10.9)	.46-.51 (11.7-13.0)
	16	.37-.41) (9.4-10.4)	.39-.43 (9.9-10.9)	.41-.46 (10.4-11.7)	.49-.55 (12.4-14.0)
	14	.50-.55	.52-.58 (12.7-14.0)	.56-.62 (13.2-14.7)	.63-.71 (14.2-15.7) (16.0-18.0)
	12	.57-.63 (14.5-16.0)	.59-.66 (15.0-16.8)	.64-.71 (16.3-18.0)	.70-.77 (17.8-19.6)
	10	.62-.69 (15.7-17.5)	.65-.72 (16.5-18.3)	.70-.78 (17.8-19.8)	.76-.84 (19.3-21.3)
	8	.78-.88 (19.8-22.4)	.83-.93 (21.1-23.6)	.93-1.05 (23.6-26.7)	1.00-1.15 (25.4-29.2)
	6	.92-1.05 (23.4-26.7)	.97-1.10 (24.6-27.9)	1.05-1.20 (26.7-30.5)	1.18-1.33 (30.0-33.8)
	4	1.06-1.21 (26.9-30.7)	1.13-1.28 (28.7-32.5)	1.25-1.45 (31.8-36.8)	—
	2	1.21-1.40 (30.7-35.6)	1.30-1.50 (33.0-38.1)	1.45-1.65 (36.8-41.9)	—

DIMENSIONS - WALLPLATES

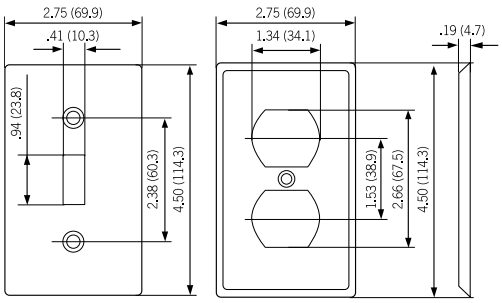
WALLPLATE SIZE COMPARISON



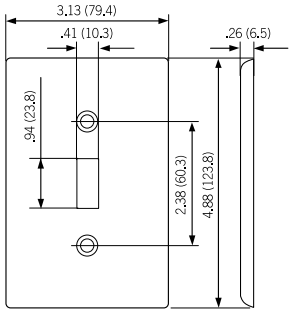
WALLPLATE DIMENSIONS

Gangs	Standard 4.50 H x D* (114.3 H x D*)	Midway 4.88 H x .260 D (123.8 H x 6.5 D)	Oversized 5.25 H x .260 D (133.4 H x 6.5 D)
1	2.75 (69.9)W	3.13 (79.4)W	3.50 (88.9)W
2	4.56 (115.9)W	4.94 (125.4)W	5.31 (134.9)W
3	6.38 (161.9)W	6.75 (171.5)W	—
4	8.19 (208.0)W	NOTE: This chart is based on the standard calculation of adding 1.81" (46.0) width for each gang in multi-gang wallplates.	
5	10 (254.0)W		
6	11.81 (300.0)W		

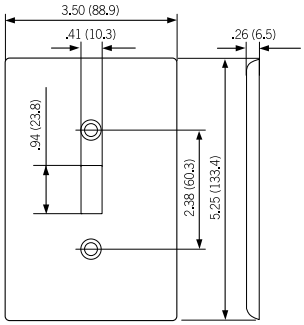
*DEPTHS OF STANDARD WALLPLATES: Plastic — .22 (5.6)
Metal — .19 (4.7)



STANDARD SIZE WALLPLATE
81001 Series and 81003 Series



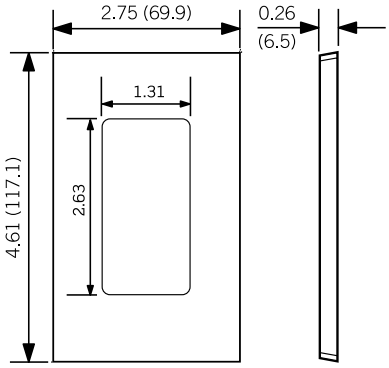
MIDWAY SIZE WALLPLATE
80501 Series



OVERSIZED WALLPLATE
85101 Series

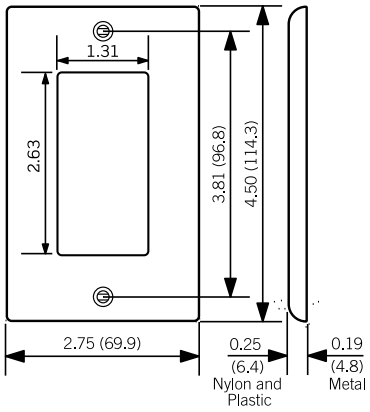
DECORA WALLPLATES

Standard Size
Single-Gang Screwless Snap-On Wallplate



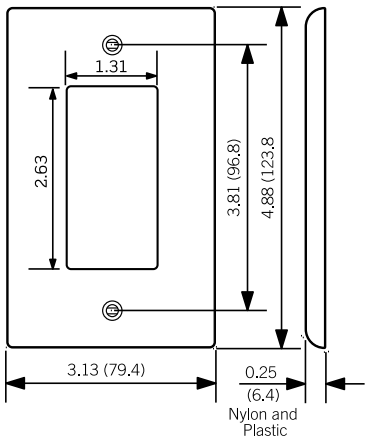
80301 Series

Standard Size
Single-Gang



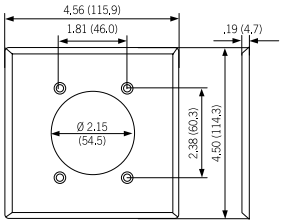
80401 Series

Midway Size
Single-Gang

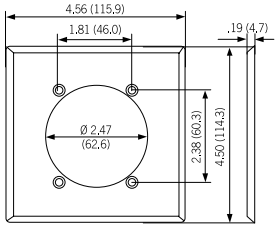


80601 Series

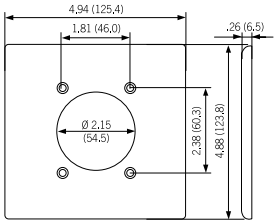
POWER RECEPTACLE WALLPLATES



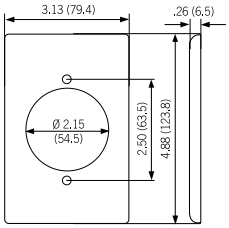
4934 Series



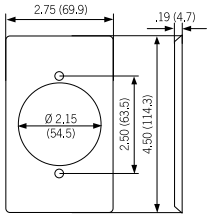
S701



80526 Series



80528 Series



4927 Series

TELEPHONE WIRING DEVICES CODES AND STANDARDS

Industry Standards

At Leviton, our concern since deregulation has been the proliferation of poor quality devices and equipment being attached to the network. These devices meet few of the customary standards for mechanical integrity and combustibility and have caused a number of problems for those who have installed them.

The responsibility for ensuring that no sub-standard devices are connected to the network rests on everyone's shoulders. In fact, the FCC recently issued a Public Notice strongly reminding manufacturers, carriers and customers that the manufacture and installation of substandard devices and equipment will not be tolerated — and that a substantial fine is the penalty for noncompliance. Recently, organizations such as the Federal Communications Commission (FCC), Underwriters Laboratories (UL), the Canadian Standards Association (CSA), and the Telecommunications Industry Association (TIA) have been developing standards for premise wiring systems, Additionally, Article 800 of the National Electrical Code (NEC), published by the National Fire Protection Association (NFPA), mandated "listing" of equipment connected to telecommunications networks. Leviton has always played a role in the standards-making process and will continue to do so. We wholeheartedly support this new standards environment.

Industry Basics: Drawing the Line

The dividing line between public network and customer premises is called the demarcation point. Equipment, including wiring, on the network side of the demarcation point is the property and responsibility of the local telephone company (telco). Equipment and wiring on the customer side is the responsibility of the customer, who may procure equipment, materials, and service from the provider of their choice. A subscriber network interface (SNI) often called a "demarcation jack", is recommended to be installed at the demarcation point. A standard registered jack is often used at this point so that the network and the premise wiring system can be quickly separated from each other. The location of the SNI depends on local rules and on such factors as the number of units in the facility, access, and the type and age of connecting hardware. The SNI may be inside the building or outside.

FCC Part 68 Requirements

The equipment standards outlined in FCC Part 68 were developed long before divestiture to assure consumers, manufacturers and carriers that terminal equipment and wiring could be connected without degrading the network. Part 68 describes minimum requirements for the mechanical or physical properties of wiring devices such as the amount of gold on jack contacts, electrical performance, dimensional integrity, material properties, and spring characteristics of contacts. Only equipment meeting FCC Part 68 standards may be manufactured and connected to the network. The vast changes that have occurred in the industry because of evolving deregulation have made it necessary to modify Part 68. To this end, FCC Wiring Docket 88-57 was issued in 1990. There have been numerous attempts to change this docket; however, as of this writing, the following guidelines are true:

- Since 1984, Part 68 specified that all connections to the network be made through the standard plugs and standard telephone company-provided jacks described in Subpart F or Part 68. Now, Docket 88-57 permits customers to connect to the carrier's jack or wiring.
- The demarcation point has been redefined to be not more than 12 inches from the protector, or when no protector is present, 12 inches from the point of entry to the premises. In the past, the demarcation point could extend into the customer premise hundreds of feet, if necessary, depending on the wiring application. The new 12-inch ruling limits the carrier's access to the customer premise.
- The carriers are not responsible for customer wiring unless they have an agreement for such responsibility. Because the customer can now install a jack at the network interface, the customer is responsible for any wiring errors and malfunctions that occur.
- The "extraordinary procedures," acceptance testing, and carrier notification for wiring clause has been eliminated. The carrier is no longer required to take steps to protect the network from harm when there is a violation of Part 68, a failure during testing of newly installed wiring, or when harm has actually occurred. Once again, because the carriers now have less access to the customer premise, they will also have less responsibility in maintaining the network.
- Customer-provided, as well as carrier-provided plugs and jacks must meet Subpart F of part 68 when newly installed on ar after January 1, 1991. Prior to this ruling, Part 68 could be interpreted to require that only the jack at the network interface conform to Part 68.

Beware of the Number Game

FCC Part 68, Subpart F, specifies that contacts in the telephone jacks must have 50 micro-inches of gold over 100 micro-inches of nickel. Some manufacturers claim .5 microns of gold plating on their jack contacts. At 39.37 micro-inches per micron, that's only 19.7 micro-inches — less than half of what is required to meet FCC Part 68 specifications. If jack contacts have not been plated with the right thickness or quality of gold, corrosion at these critical points can cause signal degradation, equipment failure, and even damage to the public telephone network. Data networks are more at risk because even slight imperfections result in transmission error or data loss.

Reduce Risks — Specify Leviton

There are no two ways about it. The risk to your operation and equipment is so great that it only makes sense to insist on top-quality station products. When you specify Leviton jacks, you're assured maximum contact life with minimum resistance. We start with durable phosphor-bronze contacts and plate them with a full 50 micro-inches of lubricated hard gold over 100 micro-inches of nickel (or the electrical performance equivalent as specified in FCC Part 68 requirements). Jack openings are built within precise tolerances. High-quality thermoplastic rated UL 94V-0 resists distortion from changes in temperature and humidity, physical stress, and aging. Spring contacts are engineered to maintain positive contact pressure over the life of the device.

Telecommunications Industry Association Standards

If FCC regulations protect the telephone network from harm and UL requirements protect the consumer from harm, who is responsible for providing performance standards for the telecommunications industry? Recently, the FCC asked the Telecommunications Industry Association (TIA), a sister organization of the Electronic Industries Association (EIA), to take on this task, and they accepted the challenge. The TIA was asked to define minimum standards for such things as how to wire a building, what kind of wire to use, and so on. The following standards went into effect in 1991.

- **Pathway Standard (EIA/TIA 569-A):** This standard for installing pipe and conduit in commercial buildings is now available through TIA and the American National Standards Institute (ANSI).
- **Residential/Light Commercial Wiring (EIA/TIA 570):** A draft of this standard, which applies to premises with up to four telephone lines, has been reviewed by ANSI and TIA committees and released.
- **Commercial Wiring Standard (EIA/TIA 568-A):** The Commercial Wiring Standard applies to premises with more than four telephone lines. This draft has also been reviewed and released by ANSI and TIA committees. At time of printing, the standards are undergoing major revisions and are currently up for ballot.

We're the "Standards" People

Because Leviton is an active participant in the formation of North American codes and standards, you can be assured that our product development activities fully support this emerging standards environment. In fact. we have prepared several publications which describe standard practices and provide installation guidelines for contractors. Many Leviton distributors also sponsor training programs dealing with telecom wiring. And, of course, Leviton's Applications Engineering Group is always ready to assist you with any questions you may have about standards and codes, standard practices, or any installation problem.

WIRE COLOR CODES AND JACK PIN DESIGNATIONS

Electrical Network Connection

From 1 to 25 single or multiple-pair circuits bridged to the network or other connected equipment.

Mechanical Arrangement

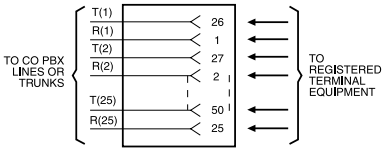
Circuits are provided on numbered tip and ring positions on a miniature 50-pin ribbon connector (Amphenol-type). Pins 1 (ring) and 26 (tip) are considered position 1. Pins 2 (ring) and 27 (tip) of the ribbon connector are position 2. This pairing continues through twenty-five pairs.

Typical Usage

Many key and PBX systems specify the RJ21X, or 'Amphenol-type' as the network interface device. Many of these systems also use the RJ21X as a connector for stations or telephone sets, wired from the KSU or PBX Main Distribution Frame.

Note: Sometimes an RJ11 or RJ14C can be installed in place of an RJ21X. While many smaller systems that require only a few lines may show the RJ21X as the 'official' jack required under registration, less complex jacks such as the RJ11 or RJ14C can often be specified (perhaps in multiples). If the system requires only a few lines but the RJ21X is specified on the registration label, under FCC Part 68 you may specify the RJ11C, RJ14C, RJ25C, or RJ61X instead.

Many Leviton jacks can be used for the RJ21X configuration where 'intermixing' is permitted. Substitution of these special jacks is often both economical and practical. Contact Leviton Network Solutions Division for information about versions to meet your requirements.



ISDN Assignment of Contact Numbers as specified by ISO Document 8877: 1987 (E)

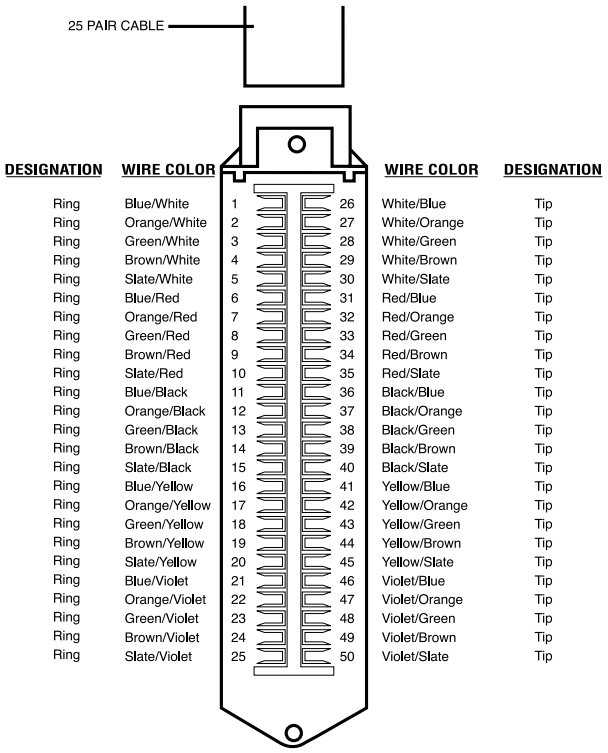
Contact assignments for plugs and jacks:

Contact Number	TE	NT	Polarity
1	Power source 3	Power sink 3	+
2	Power source 3	Power sink 3	-
3	Transmit	Receive	+
4	Receive	Transmit	+
5	Receive	Transmit	-
6	Transmit	Receive	-
7	Power sink 2	Power source 2	-
8	**Power sink 2**	**Power source 2**	**+**

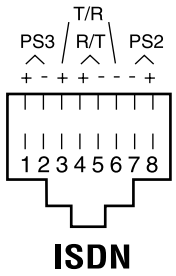
Note: For use in TE to TE interconnections, power source/sink 3 shall conform to the requirements specified in CCITT Recommendation 1.430, section 9.2 for power source/sink 2.

25-PAIR COLOR CODING/ISDN CONTACT ASSIGNMENTS

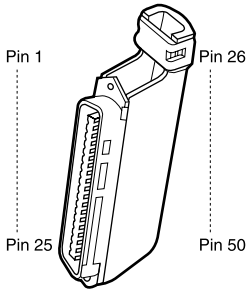
RJ21X



DESIGNATION	WIRE COLOR			WIRE COLOR	DESIGNATION
Ring	Blue/White	1	26	White/Blue	Tip
Ring	Orange/White	2	27	White/Orange	Tip
Ring	Green/White	3	28	White/Green	Tip
Ring	Brown/White	4	29	White/Brown	Tip
Ring	Slate/White	5	30	White/Slate	Tip
Ring	Blue/Red	6	31	Red/Blue	Tip
Ring	Orange/Red	7	32	Red/Orange	Tip
Ring	Green/Red	8	33	Red/Green	Tip
Ring	Brown/Red	9	34	Red/Brown	Tip
Ring	Slate/Red	10	35	Red/Slate	Tip
Ring	Blue/Black	11	36	Black/Blue	Tip
Ring	Orange/Black	12	37	Black/Orange	Tip
Ring	Green/Black	13	38	Black/Green	Tip
Ring	Brown/Black	14	39	Black/Brown	Tip
Ring	Slate/Black	15	40	Black/Slate	Tip
Ring	Blue/Yellow	16	41	Yellow/Blue	Tip
Ring	Orange/Yellow	17	42	Yellow/Orange	Tip
Ring	Green/Yellow	18	43	Yellow/Green	Tip
Ring	Brown/Yellow	19	44	Yellow/Brown	Tip
Ring	Slate/Yellow	20	45	Yellow/Slate	Tip
Ring	Blue/Violet	21	46	Violet/Blue	Tip
Ring	Orange/Violet	22	47	Violet/Orange	Tip
Ring	Green/Violet	23	48	Violet/Green	Tip
Ring	Brown/Violet	24	49	Violet/Brown	Tip
Ring	Slate/Violet	25	50	Violet/Slate	Tip



ISDN

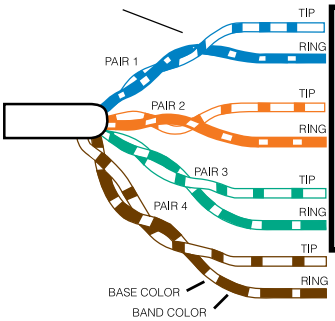


WIRE COLOR CODES

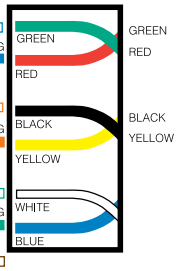
Standard 4-Pair Wiring Color Codes		
PAIR 1	T	White/Blue
	R	Blue/White
PAIR 2	T	White/Orange
	R	Orange/White
PAIR 3	T	White/Green
	R	Green/White
PAIR 4	T	White/Brown
	R	Brown/White

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

A. Band-Striped Twisted-Pair Wire

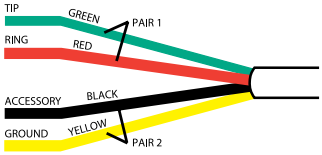


B. Solid-Color Twisted-Pair Wire



C. Quad Wire*

(Solid-Color, Non-Twisted Wire)

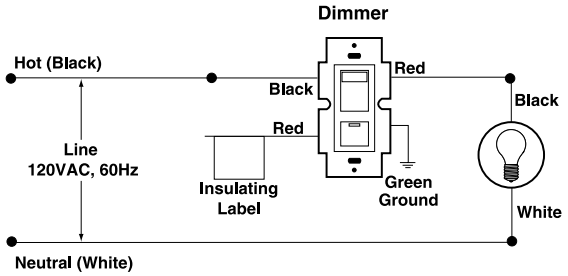


***CAUTION**

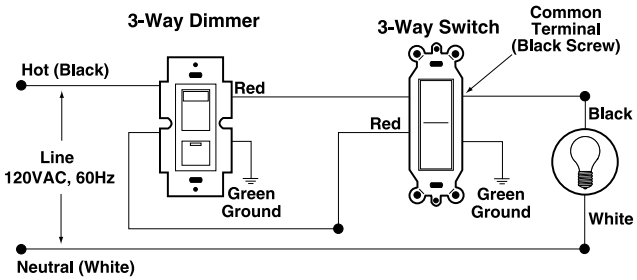
Quad wire is no longer acceptable for installation in multi-line environments. If encountered during a retrofit, quad wire should be replaced with 100Ω UTP. Connecting new quad to installed quad will only amplify existing problems and limitations associated with quad wire; leaving existing quad in place and connecting 100Ω UTP to it may also be ineffective, as the quad wire may negate the desired effect of the UTP.

FREQUENTLY ASKED QUESTIONS
General Product FAQs

• In reference to switching, what do the terms "single pole", "3-way" and "multi-location" mean?



A single pole switch means to be able to control one lighting fixture from one switch location.



3-way switching means controlling 1 light fixture from 2 locations. This is typically found at both ends of a stairway or hallway.

Multi-location switching means controlling 1 fixture from 2 or more remote locations, usually ideal for large rooms. Leviton Vizia+®, Acenti®, and True Touch™ dimmers can be used with up to 5 remote units to provide full-range dimming and ON/OFF switching at all locations.

• In terms of wiring devices; what does back wired, side wired and quickwire mean?

-Back Wired is a wiring termination that can be accomplished by inserting a pre-stripped solid or stranded conductor into a wiring device terminal opening, followed by tightening the adjacent terminal screw, which will compress the conductor between the terminal and a pressure plate.

-Side Wired is a wiring termination that is accomplished by a 3/4" turn looping pre-stripped solid or stranded conductor under terminal screws.

-Quickwired is a wiring termination that is accomplished by inserting pre-stripped solid, #14 AWG conductors into a device terminal opening. The wire is secured by an internal clamping mechanism.

• Why are some device's wire leads not copper colored?

The wires that appear to be silver in color are tinned copper, and are a result of the tinning process. Tinned copper wires are suitable for use with copper wiring.

• Can copper wiring devices be used with aluminum wire?

NO! Aluminum wire tends to oxidize over time, and the oxide layer does not conduct electricity. This results in a poor connection with the wiring device terminal screws, particularly if they are steel. The connections gradually heat up to the point where fires are started inside the walls. For this reason, all standard wiring devices contain the warning, "For use with copper or copper-clad wire ONLY. Do not use with aluminum wire." The only exception to this is CO/ALR wiring devices.

Leviton offers a selection of CO/ALR devices for use with aluminum wire. In CO/ALR devices, the terminal screws are plating with the element Indium. Indium is an extremely soft metal that forms a gas-sealed connection with the aluminum wire, eliminating problems caused by oxidation.

• The markings UL, NOM and CSA can be found on some Leviton devices. What do they represent?

-UL (Underwriters Laboratories Inc) - An independent, not-for-profit organization testing for public safety. Tests by UL are the basis for acceptance by various government agencies. Listing by UL denotes initial testing and periodic retesting to assure continuing conformance to standards.

NOM – Norma Official Mexicana (Mexican Official Standard) NOM standards are the official Mexican product safety requirements. Electrical, electronic, medical, wireless, and telecom products sold in Mexico must be tested to the national, mandatory NOM standards by an accredited Mexican laboratory.

CSA - CSA Standards define construction, performance, and marking requirements for wiring devices for use in accordance with the Canadian Electrical Code, Part 1. Products covered by CSA Standards are regularly checked and tested by the Canadian Standards Association's Factory Audit Program.

Combination Switches

• Why are there two black screws on my combination switch?

There are two black screws provided so that if you wish you can feed power separately to the switches or switches and receptacles.

• Does the brass tab on the 5224-2 need to be broken?

The brass tab must be broken if you are going to feed each switch with a separate power source. If there is only a single power feed in the wallbox then you will keep the tab intact and attach the power feed to either one of the black screw terminals.

• I'm replacing a single pole switch with a 5225 single pole switch/receptacle, but only have two wires and a ground in the wall box. Can the 5225 be installed at this switch location?

The 5225 will require a line, load, and a neutral connection in order for the receptacle to work. If ground is available, that should be connected as well. If the existing switch had no neutral connected, then check your wall box for neutral connections that may be passing through the wall box that you can connect to the device.

• Can the switch on the 5225 control the receptacle?

For the switch to control the receptacle, you would connect the line hot wire to the brass screw and the neutral wire to the silver screw.

VPT24

• Is the VPT24 compatible with fluorescent and compact-fluorescent lighting?

Yes it is.

• Does the VPT24 require a connection to neutral?

Yes. Neutral is required in order for the timer to function.

• How can I delete all programming on the device?

To delete programming only, press and hold set followed by Override until delete stops flashing. Then let go of buttons and all prgamming will be deleted.

FREQUENTLY ASKED QUESTIONS

General Dimmer FAQs

- **Why are the light bulbs buzzing after I installed a new incandescent dimmer?**
  Because of the way all dimmers deliver power at settings other than full brightness, the filaments inside a light bulb may vibrate when lighting is dimmed. This filament vibration causes the hum. To silence the fixture, a slight change in the brightness setting will usually eliminate bulb noise. The most effective way to quiet the fixture is to replace the light bulb.

- **Is it normal for a dimmer to feel warm when in use?**
  In service, it is normal for dimmers to feel warm to the touch: it is completely acceptable as long as the temperatures remain within the limits established by UL and the manufacturer. Underwriters Laboratories (UL) has specified limiting parameters for this type of heat buildup. The average dimmer operates at approximately 140°F; UL allows a maximum temperature of 195°F. When dimmers are ganged together, each dimmer's load must be derated to offset the resulting heat build-up from the presence of several units in the same wallbox.

- **There is no ground wire in the box, what do I do with the green wire?**
  When there is no ground available within the wallbox, the 2008 NEC article 404.9 exception to (b) permits a dimmer without a ground connection to be installed as a replacement. For this type of installation, cap or remove the dimmer ground wire.

- **Does Leviton offer a dimmer for dimmable compact fluorescent bulbs (CFL's)?**
  Yes, Leviton offers a dimmer, Cat. No. 6673, dimmable CFL bulbs. It also detects and adjusts performance for incandescant bulbs.

- **Can a dimmer control a fan?**
  NO. Fan controls have special circuitry to regulate motors. Dimmer controls are not engineered or intended to control fans, and will cause damage to the fans motor. Always use fan speed controls to control fans and fan/light controls to control light fixtures with fans.

- **How do I tell magnetic and electronic low-voltage transformers apart?**
  Transformers may have magnetic (core and coil, toroidal) or electronic (solid-state) clearly indicated on the product. However this is not a required marking and will not be found on all products. The best way to determine transformer type is to contact the manufacturer.

- **What is "ganging" and "derating"?**
  Ganging means installing dimmers side-by-side in one larger-size wallbox. Dimmers are always ganged vertically and must be "derated" to prevent heat buildup.Consult the product instruction sheet for derating chart.

- **Can more than one dimmer be ganged together in a multi-gang wallbox?**
  Yes. Two or more dimmers can be placed in the same wallbox, but the reduction of the dimmers' capacity is required. Consult the product instruction sheet for derating chart.

- **What is a heat sink and how does it work?**
  The metal mounting strap on the dimmer removes heat from the device. Dimmers designed for heavier lighting loads use architectural metallic fins as heat sinks. Leviton mounting straps are the most efficient available, allowing cool, continuous operation for up to 2000 Watt loads.

Dimming Incandescent Lights by:	Reduces Energy Consumption by:
10%	10%
25%	20%
50%	40%
75%	60%

- **What is a "Preset" dimmer?**
  A preset dimmer contains a separate switch that turns light ON and OFF without changing the dimmer setting.

- **Do dimmers really save energy?**
  One of the easiest ways to reduce electricity consumption is via a combination of dimmers and task lighting. Not only do dimmed lights draw less electricity, they produce less heat – and that can reduce cooling costs, which can really add up in warmer climates. As a general rule: the more you dim, the more you save. Dimming also enables bulbs to last longer.

- **Can I use a dimmer at each switch location in a 3 or 4-way application?**
  NO. Only one mechanical dimmer can be used in a 3 or 4-way application with a standard 3 and 4-way. For multi-location dimming use controls from Leviton's Vizia +®, Acenti® or True Touch® series with up to 5 remote units to provide full-range dimming and ON/OFF switching at all locations.

6696

- **Is 6696 compatible with fluorescent and compact-fluorescent lighting?**
  No. The 6696 is rated for 300 Watts of incandescent lights only.

- **Is the transmitter or receiver switch available separately?**
  No. The 6696 is only available for purchase as a complete set.

- **Can I use one transmitter for more than one receiver?**
  Yes you can, provided that the transmitter and the receivers are on the same letter code.

- **How far can the transmitter and receiver be placed apart?**
  The operating range between transmitter and receiver is 50 feet.

- **If the receiver does not respond and turn the lights on when the transmitter is operated, what can be done?**
  Be sure that both the transmitter and receiver are set to the same letter code.

6681

- **The dimmer has two black leads and one green? Where do these leads go?**
  The black wires are interchangeable, so one connects to the hot wire coming from the panel; the other black connects to the hot leg of the load, and the green to ground.

- **The 6681 dimmer gets warm to the touch. Is this a problem?**
  In service, it is normal for dimmers to feel warm to the touch: it is completely acceptable as long as the temperatures remain within the limits established by UL and the manufacturer. Underwriters Laboratories (UL) has specified limiting parameters for this type of heat buildup. The average dimmer operates at approximately 140°F; UL allows a maximum temperature of 195°F. When dimmers are ganged together, each dimmer's load must be derated to offset the resulting heat build-up from the presence of several units in the same wallbox.

- **I do not have a ground in my box, may I use this dimmer?**
  Yes. A ground is not required to operate this dimmer.

FREQUENTLY ASKED QUESTIONS
GFCI FAQs

- **What is a GFCI?**
  A GFCI is a receptacle or outlet designed to protect people from hazardous ground faults. A ground fault occurs when electrical current travels through any abnormal path to ground, which can be dangerous if the current travels through a person. This can happen when any appliance plugged into an outlet becomes damaged. Electrical current "leaking" from the faulty appliance can travel through anyone touching it, especially in a wet environment, causing a serious electrical shock.

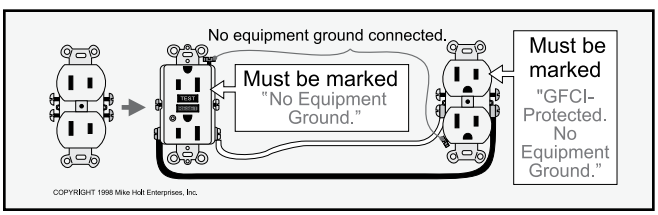
- **How does a GFCI work?**
  The GFCI monitors the flow of electricity from the outlet to any electrical device plugged into it. If the GFCI detects that some current is not returning to the receptacle, and is going out through another path, the GFCI will quickly turn off power to the receptacle.

- **Where are GFCIs required?**
  GFCIs (Ground Fault Circuit Interrupters) are required in many locations, particularly where water and electricity may meet. The NEC (National Electrical Code) requires GFCIs in kitchens, bathrooms, garages and outdoor locations.

- **What does Leviton's SmartLockPRO® GFCI protection provide?**
  If a SmartLockPRO® GFCI is miswired during installation (line-load reversal), it cannot be reset, blocking delivery of power to its feed-through terminals and face. The GFCI is completely dead and the green LED will be ON to indicate a line-load reversal. Once the GFCI is wired properly and the unit can be reset, the LED acts as a power indicator that remains ON as long as the GFCI is operating correctly and providing power.
  -The SmartLockPRO® GFCI features Leviton's unique patented lockout action as an end-of-life indication. If a SmartLockPRO® GFCI is damaged so that it cannot respond properly to a ground fault, the GFCI prevents reset.

- **Can a GFCI be used outdoors?**
  Yes, only if the GFCI meets the UL 498 requirements for weather-resistant receptacles. Also, covers must be used with weather resistant GFCI receptacles in damp or wet locations per Section 406.8 of the NEC code. Leviton's **W7599** and **W7899** are both ideal for outdoor applications.

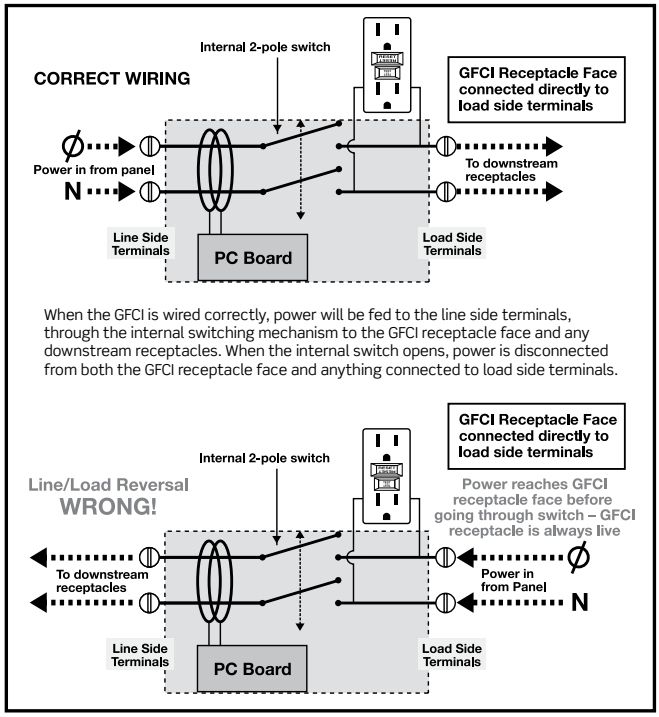
- **Can I use a GFCI in a 2 wire (ungrounded) circuit?**
  Yes. Section 406.3(D)(3) of the 2008 National Electric Code permits a non-grounding type receptacle to be replaced with a grounding type receptacle without a grounding connection. However, the grounding receptacle **must** be GFCI-protected. The diagram below shows a typical non-grounding (2-prong) receptacle replaced with a GFCI. The GFCI must be marked, "No Equipment Ground." The GFCI can feed through to a grounding receptacle, which must be marked "GFCI Protected. No Equipment Ground." For increased electrical safety, Leviton strongly recommends installing a GFCI in every non-grounding circuit. A ground wire provides protection by offering a parallel path back to ground for any fault current. Without a ground wire, fault current will try and take other paths to ground and a GFCI will trip and cut power under these hazardous conditions. Ground faults are more likely to occur in non-grounding circuits and a GFCI will help protect family members from this potentially hazardous condition.



- **How many receptacles can be installed and protected in a residential application on the load side of a SmartLockPro® GFCI?**
  There is no limit as far as the number of receptacles that can be protected from the load side of the GFCI. Since our GFCIs are rated for 20 Amp feed-through they are capable of protecting a whole residential 20 Amp circuit.

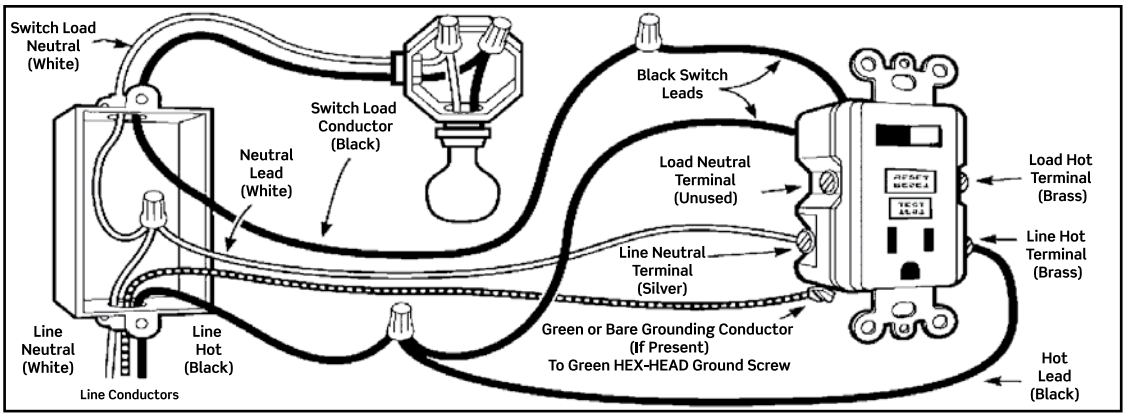
- **What does Class A mean when applied to a GFCI?**
  Class A is an interrupter that will interrupt the circuit to the load when the ground-fault current is 6 mA or more but not when the ground-fault current is 4 mA or less.

- **What is Line-Load reversal?**
  When the line and load leads are reversed **(below)**, the GFCI receptacle face is now wired directly to the power coming from the panel, completely bypassing the internal switching mechanism. The face **is not** GFCI protected and remains live even after the internal switch opens. This is a potentially hazardous condition, and the fact that the device appears to be operating properly creates a false sense of protection for end-users. UL now requires a diagnostic indication to alert installers that there is a line/load reversal.

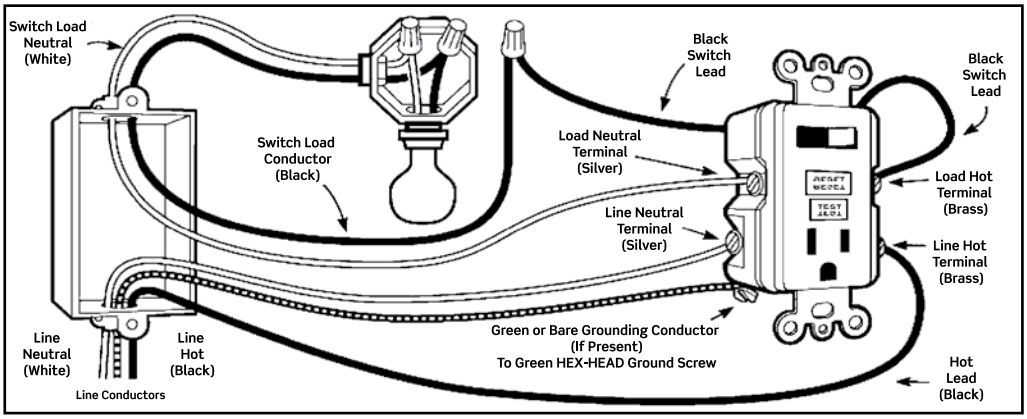


7299

- **How do you wire a 7299 with the load NOT protected?**



- **How do you wire a 7299 with the load protected?**

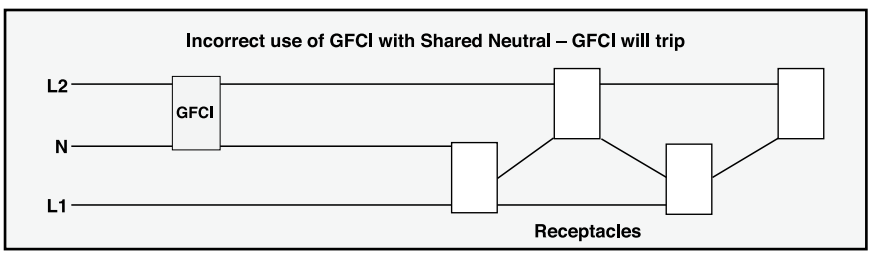


- **Can I wire the 7299 so that the switch controls the receptacle?**
  No. The 7299 is not capable of being wired to have the switch control the receptacle.

- **Is the 7299 available in a 20 amp version?**
  The 7299 is only offered in 15 amps.

- **I just installed a 7599 but it will not 'test' or 'reset'. Why is this?**
  Being unable to test and reset your GFCI is a sign of a 'Line-Load' reversal in the device wiring.

- **Can GFCI's Be Used in Circuits with a Shared Neutral?**
  Using a single neutral conductor for more than one circuit can be looked at as a way to save money on wiring. Because a GFCI receptacle looks for a balance of current flowing in a single hot conductor and a single neutral conductor, it will not operate properly when more than one hot conductor is sharing a neutral downstream from a GFCI. Current flowing in the neutral from the circuit not protected by the GFCI will cause the GFCI to see an imbalance typically associated with a ground fault and the GFCI will trip. A hazardous condition would exist in the circuit not protected by the GFCI as it may appear as though the power is off even though the hot leg is still live. In circuits wired this way, the neutral needs to be split at or before reaching the GFCI receptacle and a dedicated neutral must be run from the GFCI receptacle to all downstream receptacles protected by the GFCI.



WARRANTY INFORMATION

LIMITED ONE YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for one year from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such one year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to one year. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

LIMITED TWO YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

LIMITED FIVE YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such five year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

LIMITED TEN YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for ten years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such ten year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to ten years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

Power Quality Division - "True Whole House Surge Protection" Limited Warranty

Service Entrance: $10,000 for Connected "White Appliances"

51110-PTC and 51120 Panels – 10 Year Product Replacement

Metersocket Arresters - 15-Year Product Replacement

Lifetime Connected Equipment Protection

$50,000	5950 Modular Strips
$25,000	5300 Power Strips, 5400-TLS Power Control Center 5350 Stand-alone Telco/CATV/Satellite Protectors 51110-PTC and 51120-PTC panels. 5500 Rackmounts
$5,000	4950 Strips, 4900 Plug-ins and 1511 single outlet

This warranty is for the benefit of the original consumer purchaser only and will continue for as long as such original purchaser uses the Leviton "True Whole House Surge Protection" package.

SUPPRESSION PRODUCT REPLACEMENT

Lifetime materials and workmanship on Plug-in Surge Suppression Device (SPD), 15- year materials and workmanship on Metersockets and 10-year materials and workmanship on 51110-PTC and 51120 Service Entrance SPD Panels. Subject to the provisions below, this warranty covers all defects in workmanship or materials in your Leviton SPD. If the SPD is damaged by a power surge and Leviton determines that such damage was caused by the performance failure of the Leviton Surge Suppressor; Leviton will, at its option, repair or replace the unit.

WARRANTY INFORMATION

CONNECTED EQUIPMENT COVERAGE

The Leviton "True Whole-House Surge Protection" program provides the following connected equipment coverage:
1. Meter Base (50240), Surge Arrester (55175) or Panel-mount Service Entrance SPD (51110-PTC & 51120); Up to $10,000 to repair or replace (whichever is less) residential "standard white appliances" which sustain surge damage. Maximum coverage per household: $10,000. A "standard white appliance" is defined as washer, dryer, stove, refrigerator, freezer, dishwasher, microwave ovens and In-door HVAC equipment. This portion of the warranty applies to electro-mechanical components and to any microprocessor components. Coverage is applicable only when the Service Entrance SPD (1) was active and fully functional immediately prior to the claim event, (2) sustained surge damage as a result of the claim event and (3) is installed within 100 feet of conductor of structure being protected.. The Cat. No. 55175-ASA will provide $1,000 connected equipment for well-pumps. The 51110-PTC and 51120-PTC Panel Protector will provide $10,000 coverage for Residential Standard White Appliances as well as $25,000 coverage for connected Dial-up telephone, Satellite Receiver and CATV equipment ports.
2. Plug strips; Up to $25,000 to repair or replace (whichever is less) properly connected equipment damaged as the result of SPD failure (the SPD must also sustain surge damage).The above remedy is your exclusive remedy under this warranty, whether based on contract, tort, including negligence or otherwise. Claims must be made within 30 days of damage or loss. Leviton reserves the right to audit the damage, site and/or cost of repairs and may require a notarized proof of loss.

WHAT IS A "POWER SURGE"?

"Power Surge" means an electrical transient or spike on the AC power or communication lines, including those caused by indirect lightning, against which surge suppressors of this type are generally designed to protect as recognized by industry standards.

WARRANTY CLAIM PROCEDURES

If any of the SPD products have defects or sustain damage covered by your "True Whole-House Surge Protection" warranty, call Leviton at 800-648-3332.
To file a claim for power surge damage to connected equipment:
1. Meterbase: If Red Light is ON - Call Utility for replacement of unit.
2. Power Strips: Send the damaged Leviton SPD product(s), freight pre-paid, to Leviton Manufacturing for testing and confirmation of damage.
3. After Leviton confirms SPD damage, have damaged equipment repaired at an authorized service center.
4. Submit receipts along with your claim package to Leviton Manufacturing Co. Inc., 860 Harold Place, Chula Vista, CA 91914
5. Leviton reserves the right to repair or replace equipment at the prorated fair market value of the equipment damaged.

WHAT DOESN'T THIS WARRANTY COVER?

This warranty will not apply to any defects or damage to the Leviton SPD or any properly connected equipment arising because: (1) The Leviton SPD was tampered with, modified or altered in any way, or (2) the Leviton SPD or the connected equipment was not used under normal operating conditions or in accordance with any labels or instructions. This warranty does not cover any damage to properly connected equipment resulting from a cause other than a "power surge." This warranty specifically does not cover damage associated with a direct lightning strike to the structure, sustained over-voltage; equipment installed outdoors, vandalism, theft, normal wear and tear, obsolescence, abuse or catastrophic events. This specifically excludes sprinkler systems and hard-wired security alarm systems. Well-pumps are covered only when a 55175-ASA arrester with alarm is installed direct at the equipment. This warranty does not cover, garage door operators or outdoor equipment including outdoor HVAC units and window- mounted air conditioners. Leviton disclaims liability for any installation labor, incidental, indirect, special or consequential damages, including, without limitation, lost business profits, loss of data and all freight, mileage, travel time, and insurance charges associated with warranty coverage claims arising out of the sale or use of the Leviton SPD or out of the performance (or failure or delay) of Leviton's warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state. Valid in U.S.A and Canada.

INTERNATIONAL ELECTRICAL OUTLET LISTING

Country	Voltage	Frequency/Cycle
Afghanistan	220 V	50 Hz
Albania	220 V	50 Hz
Algeria	230 V	50 Hz
American Samoa	120 V	60 Hz
Andorra	230 V	50 Hz
Angola	220 V	50 Hz
Anguilla	110 V	60 Hz
Antigua and Barbuda	230 V	60 Hz
Argentina	220 V	50 Hz
Armenia	220 V	50 Hz
Aruba	127 V	60 Hz
Australia	240 V	50 Hz
Austria	230 V	50 Hz
Azerbaijan	220 V	50 Hz
Bahamas, The	120 V	60 Hz
Bahrain	230 V	50 Hz
Bangladesh	220 V	50 Hz
Barbados	115V	50 Hz
Belarus	220 V	50 Hz
Belgium	230 V	50 Hz
Belize	110 V / 220 V	60 Hz
Benin	220 V	50 Hz
Bermuda	120 V	60 Hz
Bhutan	230 V	50 Hz
Bolivia	220 V / 230 V	50 Hz
Bosnia and Herzegovina	220 V	50 Hz
Botswana	231 V	50 Hz
Brazil	110 V / 220 V	60 Hz
Brunei	240 V	50 Hz
Bulgaria	230 V	50 Hz
Burkina Faso	220 V	50 Hz
Burma	230 V	50 Hz
Burundi	220 V	50 Hz
Cambodia	230 V	50 Hz
Cameroon	220 V	50 Hz
Canada	120 V	60 Hz
Cape Verde	220 V	50 Hz
Cayman Islands	120 V	60 Hz
Central African Republic	220 V	50 Hz
Chad	220 V	50 Hz

INTERNATIONAL ELECTRICAL OUTLET LISTING

Country	Voltage	Frequency/Cycle
Chile	220 V	50 Hz
China	220 V	50 Hz
Colombia	110 V	60 Hz
Comoros	220 V	50 Hz
Congo, Democratic Republic of the	220 V	50 Hz
Congo, Republic of the	230 V	50 Hz
Cook Islands	240 V	50 Hz
Costa Rica	120 V	60 Hz
Cote d'Ivoire	220 V	50 Hz
Croatia	230 V	50 Hz
Cuba	110 V / 220 V	60 Hz
Cyprus	240 V	50 Hz
Czech Republic	230 V	50 Hz
Denmark	230 V	50 Hz
Djibouti	220 V	50 Hz
Dominica	230 V	50 Hz
Dominican Republic	110 V	60 Hz
Ecuador	120 V / 127 V	60 Hz
Egypt	220 V	50 Hz
El Salvador	115 V	60 Hz
Equatorial Guinea	220 V	50 Hz
Eritrea	230 V	50 Hz
Estonia	230 V	50 Hz
Ethiopia	220 V	50 Hz
Falkland Islands (Islas Malvinas)	240 V	50 Hz
Faroe Islands	220 V	50 Hz
Fiji	240 V	50 Hz
Finland	230 V	50 Hz
France	230 V	50 Hz
Gabon	220 V	50 Hz
Gambia, The	230 V	50 Hz
Gaza Strip	230 V	50 Hz
Georgia	220 V	50 Hz
Germany	230 V	50 Hz
Ghana	230 V	50 Hz
Gibraltar	240 V	50 Hz
Greece	220 V	50 Hz
Greenland	220 V	50 Hz
Grenada	230 V	50 Hz
Guatemala	120 V	60 Hz

INTERNATIONAL ELECTRICAL OUTLET LISTING

Country	Voltage	Frequency/Cycle
Guinea	220 V	50 Hz
Guinea-Bissau	220 V	50 Hz
Guyana	240 V	60 Hz
Haiti	110 V	60 Hz
Honduras	110 V	60 Hz
Hong Kong	220 V	50 Hz
Hungary	230 V	50 Hz
Iceland	220 V	50 Hz
India	230 V	50 Hz
Indonesia	127 V / 230 V	50 Hz
Iran	230 V	50 Hz
Iraq	230 V	50 Hz
Ireland	230 V	50 Hz
Isle of Man	240 V	50 Hz
Israel	220 V	50 Hz
Italy	230 V	50 Hz
Jamaica	110 V	50 Hz
Japan	100 V	50 Hz / 60 Hz
Jordan	230 V	50 Hz
Kazakhstan	220 V	50 Hz
Kenya	240 V	50 Hz
Kiribati	240 V	50 Hz
Korea, South	220 V	60 Hz
Kuwait	240 V	50 Hz
Laos	230 V	50 Hz
Latvia	220 V	50 Hz
Lebanon	110 V / 220 V	50 Hz
Lesotho	220 V	50 Hz
Liberia	120 V	60 Hz
Libya	127 V	50 Hz
Liechtenstein	230 V	50 Hz
Lithuania	220 V	50 Hz
Luxembourg	220 V	50 Hz
Macau	220 V	50 Hz
Macedonia	220 V	50 Hz
Madagascar	220 V	50 Hz
Malawi	230 V	50 Hz
Malaysia	240 V	50 Hz
Maldives	230 V	50 Hz
Mali	220 V	50 Hz

INTERNATIONAL ELECTRICAL OUTLET LISTING

Country	Voltage	Frequency/Cycle
Malta	240 V	50 Hz
Mauritania	220 V	50 Hz
Mauritius	230 V	50 Hz
Mexico	127 V	60 Hz
Micronesia, Federated States of	120 V	60 Hz
Monaco	127 V / 220 V	50 Hz
Mongolia	220 V	50 Hz
Montenegro	220 V	50 Hz
Montserrat	230 V	60 Hz
Morocco	127 V / 220 V	50 Hz
Mozambique	220 V	50 Hz
Namibia	220 V	50 Hz
Nauru	240 V	50 Hz
Nepal	230 V	50 Hz
Netherlands Antilles	127 V / 220 V	50 Hz
Netherlands	230 V	50 Hz
New Caledonia	220 V	50 Hz
New Zealand	230 V	50 Hz
Nicaragua	120 V	60 Hz
Niger	220 V	50 Hz
Nigeria	240 V	50 Hz
Norway	230 V	50 Hz
Oman	240 V	50 Hz
Pakistan	220 V	50 Hz
Panama	110 V	60 Hz
Peru	220 V	60 Hz
Philippines	220 V	60 Hz
Poland	230 V	50 Hz
Portugal	230 V	50 Hz
Puerto Rico	120 V	60 Hz
Qatar	240 V	50 Hz
Romania	230 V	50 Hz
Russia	220 V	50 Hz
Rwanda	230 V	50 Hz
Saint Kitts and Nevis	230 V	60 Hz
Saint Lucia	240 V	50 Hz
Saint Vincent and the Grenadines	230 V	50 Hz
Samoa	230 V	50 Hz
Saudi Arabia	127 V / 220 V	60 Hz
Senegal	230 V	50 Hz

INTERNATIONAL ELECTRICAL OUTLET LISTING

Country	Voltage	Frequency/Cycle	
Serbia		220 V	50 Hz
Seychelles		240 V	50 Hz
Sierra Leone		230 V	50 Hz
Singapore		230 V	50 Hz
Slovakia		230 V	50 Hz
Slovenia		220 V	50 Hz
Somalia		220 V	50 Hz
South Africa		220 V / 230 V	50 Hz
Spain		230 V	50 Hz
Sri Lanka		230 V	50 Hz
Sudan		230 V	50 Hz
Suriname		127 V	60 Hz
Swaziland		230 V	50 Hz
Sweden		230 V	50 Hz
Switzerland		230 V	50 Hz
Syria		220 V	50 Hz
Taiwan		110 V	60 Hz
Tajikistan		220 V	50 Hz
Tanzania		230 V	50 Hz
Thailand		220 V	50 Hz
Togo		220 V	50 Hz
Tonga		240 V	50 Hz
Trinidad and Tobago		115V	60 Hz
Tunisia		230 V	50 Hz
Turkey		230 V	50 Hz
Turkmenistan		220 V	50 Hz
Uganda		240 V	50 Hz
Ukraine		220 V	50 Hz
United Arab Emirates		220 V	50 Hz
United Kingdom		230 V	50 Hz
United States		120 V	60 Hz
Uruguay		220 V	50 Hz
Uzbekistan		220 V	50 Hz
Vanuatu		230 V	50 Hz
Venezuela		120 V	60 Hz
Vietnam		127 V / 220 V	50 Hz
Virgin Islands		115 V	60 Hz
Yemen		220 V / 230 V	50 Hz
Zambia		230 V	50 Hz
Zimbabwe		220 V	50 Hz

Index

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated

Cat. No.	Page
0CCFL	104
10014-800	202
10020	198
10025	202
10026	202
10027	202
10028	198
10041-500	653
10045	199
10065	199
10083-16	194
10083-M	194
10085	199
10091	200
10097-8	653
100IB-01	521
100MP	521
100RB-01	521
101-AN	576
101P	576
102-P	576
1101-C	644
1102-C	644
1103-C	644
1104-C	644
113	577
114	577
115PR	576
115PV	576
1201-2	627
1201-2*L	627
1201-LH	632
1201-PL	631
1202-2	627
1202-2L	627
1202-PL	631
1203-2	627
1203-2*L	627
1203-LH	632
1203-PL	631
1204-2	627
1221-2	627
1221-2	628
1221-2*L	627
1221-2KL	633
1221-7L	632
1221-7PC	631
1221-7PR	631
1221C-LH	687
1221-LH	632
1221-PL	631
1221-S	628
1222-2	627
1222-2*L	627
1222-2KL	633
1222-2L	627
1222-7PR	631
1222-PL	631
1222-S	628
1223-2	627
1223-2*L	627
1223-2KL	633
1223-7L	632
1223-7PR	631
1223-LH	632
1223-PL	631
1223-S	628
1224-2	627
1224-2KL	633
1224-S	628
1228	582
123	576
123-P	576
1241	627
1242	627
1243	627
1244	627
124-D	203
125	102
1254	560
12540	104
1254-H	536
1256	630
1257	630
1262	630
12650	582
12777	104
12777-24p	104
128	102
1281	630
1281-L	630
1282	630
1285	630
1285-L	630
1286	630
1287	630
1287-L	630
1288	630
1288-L	630
1306	584
13150-UR5	208
13351-D	208
13353-N	208
13354-D	208
13357-N	208
13359-N	208
13451-N	208
13452	212
13453	212
13454	212
13455	212
13464	205
13465	205
13518	206
13519	206
13550	205
13551	205
13556	205
13557	205
13652-WNP	208
13652-WP	208
13652-WWP	208
13653-NP	208
13653-WNP	208
13653-WP	208
13653-WWP	208

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
13654-EXL	211
13654-EXS	211
13654-SNP	210
13654-SWP	210
13654-TNP	210
13654-TWP	210
13660	210
13661	210
13662	210
1373	584
1374	584
1403	102
1406	102
1420	266
1432	744
1433	545
1447	545
1448	545
1449	545
1451	651
1453	651
1453	651
1453-2	651
1461-LHC	651
1463-LHC	651
1469	101
14W04	544
14W07	544
14W33	544
14W34	544
14W47	544
14W48	544
14W49	544
1533	545
15378-C	540
15378-CWP	543
15379-C	540
1547	545
1548	545
1549	545
15656-V	542
15659-V	542
15678-C	539
15678-CWP	543
15679-C	539
15679-CWP	543
157	203
157-X	203
15A21	473
15A22	473
15A23	473
15CLF	512
15CLM	512
15D21	471
15D21-C	471
15D22	471
15D22-C	471
15D23	472
15D24	472
15P21	473
15P22	473
15R21	473
15R22	473
15SDF-48	471
15SDF-48	472
15SDM-48	471
15SDM-48	472
15SM-48H	471
15W04	544
15W07	544
15W33	544
15W34	544
15W47	544
15W48	544
15W49	544
16241	568
16242	568
16251	567
16252	567
16252-L	555
16262	555
16262-HG	529
16262-IG	529
16262-PL	529
16262-SG	529
16292	567
16341	568
16342	568
16351	567
16352	567
16352-L	555
16362	555
16362-HG	529
16362-IG	529
16362-PL	529
16362-SG	529
16441	568
16451	567
16462	555
16462	567
16509-2PK	103
16592	160
16593	156
16593	160
16641	568
16651	567
16662	555
16662	567
16693	160
167	203
16793	160
16893	160
1689-50	653
1689-75	653
1691-50	653
16A21	488
16A22	488
16A23	488
16A24	488
16A25	488
16A26	488
16A31	489
16A32	488
16A32	489
16A33	489
16A36	489

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
16CLF	512
16CLM	512
16D22	476
16D23	475
16D24	477
16D25	478
16D26	479
16D28	480
16D29	474
16D29	474
16D31	476
16D32	475
16D33	477
16D34	478
16D35	479
16D37	480
16F21	484
16F22	484
16P21	481
16P22	481
16R19	484
16R20	484
16R21	484
16R22	484
16R23	484
16R24	484
16R25	484
16R26	484
16R27	486
16R28	486
16R29	486
16R30	486
16RSW	484
16S21	481
16SDF-14	475
16SDF-14	477
16SDF-14	480
16SDF-22	474
16SDF-22	476
16SDF-22	478
16SDF-22	479
16SDM-14	475
16SDM-14	477
16SDM-14	480
16SDM-22	474
16SDM-22	476
16SDM-22	478
16SDM-22	479
16V22	482
16V24	483
16V26	482
16V28	483
17531	500
1754	33
1754-2	33
1754-C0	686
1754-IL	33
1755	33
1755-2	33
17CLF	512
17CLM	512
17D21	497
17D22	498
17D23	497
17D24	498
17F21	500
17F22	500
17P21	500
17P22	500
17R21	500
17R22	500
17R23	500
17R24	500
17SDM	497
17SDM	498
17V23	499
17V26	499
18201	628
18201-C	644
18201-LB	628
18202-C	644
18202-LB	628
18203-C	644
18203-LB	628
18204	628
18204-C	644
18221	628
18221-LB	628
18222-LB	628
18223-LB	628
18224	628
18302-1	193
18302-1N	193
18315	200
1865	653
18A21	495
18A22	495
18A23	496
18A24	496
18A25	496
18D21	490
18D22-W	492
18D23	491
18D24	493
18D29	490
18D31	492
18D32	491
18D33	493
18F21	494
18F22	494
18P21	494
18P22	494
18R21	495
18R22	495
18R23	495
18R24	495
18SDF-14	491
18SDF-14	493
18SDF-22	490
18SDF-22	492
18SDM-14	491
18SDM-14	493
18SDM-22	490
18SDM-22	492
1901	716
1903	720

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
19062	198
1909	716
19980	194
19980-M	194
19D21	501
19D22	502
19D23	501
19D24	502
19F21	503
19F22	503
19P21	503
19P22	503
19R21	503
19R22	503
19R23	503
19R24	503
19SDF	501
19SDF	502
19SDM	501
19SDM	502
1RU	392
20025	203
2004	198
2005	198
2006	198
20070	199
20403	296
20FC	521
20FP	521
20IS	521
20MC	521
20MP	521
20RS	521
21254	560
21254-H	536
21414-B	296
21415-B	296
2152	741
223	582
2262C-C0	698
22H21	508
22H22	508
22L21	504
22L22	504
22L23	505
22L24	504
22L25	504
22L26	505
22P21	508
22P22	508
22R21	508
22R22	508
22R23	508
22R24	508
22R26	507
22R28	507
22SVF	504
22SVF	505
22SVM	504
22SVM	504
22SVM	505
22W07	300
23000-HG	296
23001-HG	296
23004-HG	296
23030	296
23031-A	296
23034-A	296
2310	274
2310-IG	274
2311	274
2311-B	274
2311-CY	274
2311-PLB	274
2311-PLC	274
2313	274
2313-B	274
2313-CY	274
2313-PLB	274
2313-PLC	274
2315	274
2316	274
2320	274
2320-IG	274
2321	274
2321-CY	274
2321-PLC	274
2323	274
2323-B	274
2323-CY	274
2323-PLC	274
2325	274
2326	274
2330	274
2330-IG	274
2331	274
2331-PLC	274
2333	274
2333-PLC	274
2335	274
23351	208
2336	274
2340	275
2341	275
2343	275
2345	275
23452-A	214
23452-B	214
23452-H	214
23452-MTL	214
23452-MTS	214
23452-V	214
23453	212
23454	212
23455	212
2346	275
23464	205
23465	205
2350	275
2350-IG	275
2351	275
23518	206
23519	206
2353	275
2355	275
2356	275

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
2360	276
2361	276
2363	276
2365	276
23652-WNP	208
23652-WP	208
23652-WWP	208
23653-NP	208
23653-WNP	208
23653-WP	208
23653-WWP	208
23654-SNP	210
23654-SWP	210
23654-TNP	210
23654-TWP	210
2366	276
23660	210
23661	210
23662	210
2371	276
2373	276
2375	276
2376	276
2380	276
2381	276
2383	276
2385	276
2386	276
23CM-10	309
23CM-11	309
23CM-13	309
23CM-20	309
23CM-30	309
23H21	508
23H22	508
23L21	505
23L22	506
23L23	506
23L24	505
23L25	506
23L26	506
23P21	508
23P22	508
23R21	508
23R22	508
23R23	508
23R24	508
23SVF	505, 506
23SVM	505, 506
23W07	300
2410	277
2410-IG	277
2411	276
2413	276
2415	277
2416	277
2420	277
2420-IG	277
2421	276
2423	276
2425	277
2426	277
2430	277
2431	276
2433	276
2435	277
2436	277
2440	278
2441	277
2443	277
2445	277
2446	277
2447	304
2450	278
2451	277
2453	277
2455	277
2456	277
2460	278
2461	277
2463	277
2465	277
2466	277
24CM-10	309
24CM-20	309
24CM-30	309
24W04	299
24W07	301
24W34	299
24W47	299
24W47-B	299
24W49	299
2511	278
2513	278
2515	278
2516	278
2521	278
2523	278
25249-CAP	573
25249-FBA	573
25249-SBA	573
25249-TFB	573
25249-TFN	573
2525	278
2526	278
2531	278
2533	278
25349-FBA	573
2536	205
2537	205
25403	296
25414-B	296
25415-B	296
2545	278
2546	278
2547	304
25W04	299
25W07	301
25W34	299
25W47	299
25W47-B	299
25W49	299
2610	280
2610-B	280
2610-IG	280
2611	280

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
26115	264
2611-B	280
2611-CY	280
2611-PLB	280
2611-PLC	280
2613	280
2613-B	280
2613-CY	280
2613-PLB	280
2613-PLC	280
2615	280
2616	280
2620	280
2620-B	280
2620-IG	280
2621	280
2621-B	280
2621-CY	280
2621-PLC	280
2625F	280
2626F	280
2630	280
2630-IG	280
2631	280
2631-PLC	280
2633	280
2633-PLC	280
2635	280
2636	280
2640	281
2641	281
2643	281
2645	281
2646	281
2650	281
2651-2	651
2653-2	651
2655	281
2656	281
26592-E	157
2660	282
2661	281
2663	281
2665	281
2666	281
267	203
2670	282
2671	281
26719-100	215
26719-200	215
26719-300	215
26719-400	215
26719-500	215
26720-100	215
26720-200	215
26720-300	215
26720-400	215
26720-500	215
26725-201	217
26725-202	217
26725-203	217
26725-211	217
26725-212	217
26725-213	217
26725-221	217
26725-222	217
26725-223	217
26725-2A1	219
26725-2A2	219
26725-2A3	219
26725-401	217
26725-402	217
26725-403	217
26725-404	217
26725-411	218
26725-412	218
26725-413	218
26725-414	218
26725-419	218
26725-421	217
26725-422	217
26725-423	217
26725-424	217
26725-429	217
26725-4A1	219
26725-4A2	219
26725-4A3	219
26725-4A4	219
26725-4A5	219
26725-4A6	219
26725-4A9	219
2673	281
26730	221
26735	221
26740	221
2675	281
2676	281
2680	282
26800-4A1	219
26800-4A2	219
26800-4A8	219
26800-4A9	219
2681	282
2683	282
2685	282
2686	282
2690	282
2691	282
2691	282
2693	282
2693	282
26CM-10	309
26CM-11	309
26CM-13	309
26CM-20	309
26CM-21	309
26CM-23	309
26W07	299
26W08	300
26W08-G	300
26W09	301
26W10	301
26W47	299
26W47-B	299
26W47-B	299
26W48	299

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
26W48-B	299
26W49	300
26W74	300
26W75	300
26W75-B	300
26W76	300
26W76-B	300
26W81	300
26W81-B	300
26W82	300
26W83	300
2710	283
2710-B	283
2710-IG	283
2711	282
2711-B	282
2713	282
2713-B	282
2713-CY	282
2715	283
2716	283
2720	283
2720-IG	283
2721	282
2721-B	282
2723	282
2723-B	282
2725	283
2726	283
2730	284
2730-IG	284
2731	283
2731-B	283
2733	283
2733-B	283
2735	283
2736	283
274	101
2740	284
2740-IG	284
2741	283
2741-B	283
2743	283
2745	283
2746	283
2750	284
2751	284
2753	284
2755	284
2756	284
275-T	564
2760	284
2761	284
2763	284
2765	284
2766	284
2770	284
2771	284
2773	284
2775	284
2776	284
278	551
278C	692
278-PM	551
279	551
279C	692
279-PM	551
27CM-10	309
27CM-20	309
27W07	299
27W08	300
27W08-G	300
27W09	301
27W10	301
27W47	299
27W47	299
27W47-B	299
27W48	299
27W48	299
27W48-B	299
27W49	300
27W74	300
27W75	300
27W75-B	300
27W76	300
27W76-B	300
27W81	300
27W81-B	300
27W82	300
27W83	300
2810	285
2810-IG	285
2811	284
2813	284
2815	285
2816	285
2820	285
2821	284
2823	284
2825	285
2826	285
2830	285
2831	284
2833	284
2835	285
2836	285
287-T	564
28W08	302
28W09	302
28W47	301
28W47-B	301
28W48	301
28W49	301
28W74	302
28W75	302
28W75-B	302
28W76	302
28W76-B	302
28W77	302
28W77-B	302
28W81	302
28W82	302
28W83	302
29816-C	192
29816-C2	192
29816-CM	192

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
29W08	302
29W09	302
29W47	301
29W47-B	301
29W48	301
29W49	301
29W74	302
29W75	302
29W75-B	302
29W76	302
29W76-B	302
29W77	302
29W77-B	302
29W81	302
29W82	302
29W83	302
2KL	633
2RU	392
3/4RU	392
3000C	704
3001C	702
3002C	703
3003C	704
3004C	702
3005C	705
3005C-C00	702
3006C	702
3007C	702
3008C	702
3009C	702
3010C	702
3011C	702
3012C	704
3015C	703
3016C	703
3017C	703
3018C	703
3019C	705
3021C	703
3022C	704
3023C	702
3025C	703

Cat. No.	Page
3026C	703
3027C	703
3028C	703
3029C	703
3031-2	627
3031-2L	627
3031-LH	632
3031-PL	631
3032-2	627
3032-2L	627
3032-PL	631
3033-2	627
3033-2L	627
3051	458
3052	458
3054	458
3055	458
3056	458
3057	458
3058	458
3059-01	458
3059-02	458
3059F-01	458
3059F-02	458
306	584
3060	458
3061	458
3099-01	458
3099-02	458
3099F-01	458
3099F-02	458
3100B	433
3100B4W	431
3100B6W	431
3100B7W	431
3100C	432
3100C4W	431
3100C6W	431
3100C7W	431
3100MI4W	441
3100MI6W	441
3100MI7W	441

Cat. No.	Page
3100P	432
3100P4W	431
3100P4W	441
3100P6W	431
3100P6W	441
3100P7W	431
3100P7W	441
3100R	433
3100R4W	431
3100R6W	431
3100R7W	431
3125B6W	445
3125B6W	449
3125C6W	445
3125CW	448
3125P	447
3125P6W	445
3125R	448
3125R6W	445
3152-8	199
3200-02	459
3200F-02	459
320B	433
320B4W	430
320B6W	430
320B7W	430
320C	432
320C4W	430
320C6W	430
320C7W	430
320MI6W	440
320MI7W	440
320P	432
320P4W	430
320P6W	430
320P6W	440
320P7W	430
320P7W	440
320R	433
320R4W	430
320R6W	430
320R7W	430

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
321	576
32120-1	597
32120-DY3	597
321-P	576
321-PW	576
321-W	576
32277-DY3	597
32347-DY3	597
3241	459
32412-DY3	597
3241W	459
3251	459
3251W	459
3253-C	290
3254	536
3260	459
3260W	459
3261	459
3261W	459
3262	459
3262W	459
3263	459
3263W	459
3265	459
3300-02	459
330B	433
330B4W	430
330B6W	430
330B7W	430
330C	432
330C4W	430
330C6W	430
330C7W	430
330MI6W	440
330MI7W	440
330P	432
330P4W	430
330P6W	430
330P6W	440
330P7W	430
330P7W	440
330R	433
330R4W	430
330R6W	430
330R7W	430
3325-C	290
3326-C	290
3330	292
3331-C	292
3333	292
3334C	292
3335C	292
3352-1	200
3352-8	200
3352-F	200
341-D4U	195
3420-009	605
3420-035	605
3431C	292
3433C	292
3434C	292
3435C	292
34360	292
3500-P	612
3500-PC	612
3500-PT	612
3520	290
3521-C	290
3524-C	290
3525-C	290
357-8	195
360B	433
360B4W	431
360B6W	431
360B7W	431
360C	432
360C4W	431
360C6W	431
360C7W	431
360MF6W	441
360MI6W	441
360MI7W	441
360P	432
360P4W	431
360P6W	431
360P6W	441
360P7W	431
360P7W	441
360R	433
360R4W	431
360R6W	431
360R7W	431
36592-E	158
36596	162
36597-Y	162
368-1	195
36895-DIM	162
37120-007	595, 596
3720	275
3721	275
3723	275
37277-007	595, 596
3755	275
3756	275
3762C	292
3763C	292
3764C	293
3765C	293
3769	293
3771	292
3775	293
3777	292
380	206
3800-0WM	603
3800-DIN	603
3800-OEM	603
3801-DIN	603
3803-485	605
3803-DHP	605
3803-MOD	605
3824-0WM	603
3824-DIN	603
3840-0WM	603
3840-DIN	603
3840-OEM	603
3848-0WM	603

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
3848-DIN	603
3848-OEM	603
3860-GEF	605
3861-ETH	605
3862-CON	605
3863-DEV	605
3880-DIN	603
389-W	206
390-1W	205
391-1W	205
3950-BKT	56
395-W	206
396	206
4000C	705
4001C	704
4003C	705
4005	200
40050-MCV	368
40050-MH0	368
40050-MHG	368
40054-0DS	369
40054-DDS	369
4005C	705
4006	200
40066-0MR	368
40066-0MW	368
40066-M25	368
40066-M50	368
40066-MW2	368
40067-0BC	368
4006C	705
40070-MDP	423
40072-0T2	369
40072-0T4	369
40072-0T6	369
40072-0T8	369
4007C	705
4007C-C0W	704
40089-00D	350
40089-00D	369
4008C	704
4009C	704
4010	200
4010C	705
40144-00	343
40159-00	343
4015-D4F	195
4017-D2F	195
40201-IDD	345
4020-A3A	195
40214-00	346
40216-00	346
40223-00S	346
40226-00S	346
40238-00	341
40244-00	341
40249-00	341
40253-00	346
40257-00	346
40258-00	341
40259-00	341
40263-00	346
40266-00	341
40278-00	345
40278-SB	345
40280-00	341
403	740
4032-E5F	195
4034-F5A	195
404	740
405	741
40539-0M	342
40539-CM	342
40539-HM	342
40539-PM	342
40544-00	342
40549-00	342
406	741
4063	201
40644-00	343
40649-00	343
40659-00	343
40681-00	343
40682-00	343
40734-CV	316
40734-SV	316
40735-RL	317
40735-RO	317
40735-RR	317
40735-RV	317
40735-RW	317
40735-RY	317
40782-CPF	318
40782-REW	318
40782-RLW	318
40782-RRW	318
40782-RVW	318
40782-RYW	318
40807-00A	72
40807-00I	72
40807-00W	72
40807-0BI	72
40807-0BW	72
40807-B2I	72
40807-B2W	72
40812-RTK	77
40830-BAE	317
40830-BAR	317
40830-BAY	317
40830-BBE	317
40830-BBR	317
40830-BEE	317
40830-BER	317
40830-BIE	317
40830-BIL	317
40830-BIR	317
40830-BIV	317
40830-BIY	317
40830-BTE	317
40830-BTR	317
40830-BTY	317
40830-BWE	317
40830-BWL	317
40830-BWR	317
40830-BWV	317
40830-BWY	317

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
40831-0B	317
40832-0B	316
40833-BAE	316
40833-BAR	316
40833-BBE	316
40833-BBR	316
40833-BEE	316
40833-BER	316
40833-BIR	316
40833-BTE	316
40833-BTR	316
40833-BWE	316
40833-BWE	316
40833-BWR	316
40837-BAE	316
40837-BAR	316
40837-BIE	316
40837-BIR	316
40837-BTE	316
40837-BTR	316
40837-BWE	316
40837-BWR	316
40839-SIS	316
40839-SWS	316
40949-0ID	343
40949-0TD	343
40949-0WD	343
40951-1P	95
40951-2P	95
40981-0ID	343
40981-0TD	343
40981-0WD	343
40982-0TD	343
40982-0WD	343
40985-0Q6	318
40985-1P6	318
40985-1P9	318
40985-2P6	318
40985-2P9	318
40985-CPF	318
40985-CRU	318
40985-TW6	318
40985-TW9	318
40988-00	423
40989-CPT	423
40989-RCT	77
4100B	433
4100B12W	431
4100B5W	431
4100B7W	431
4100B9W	431
4100C	432
4100C12W	431
4100C5W	431
4100C7W	431
4100C9W	431
4100MB7W	441
4100MB9W	441
4100MI12W	441
4100MI5W	441
4100MI7W	441
4100MI9W	441
4100MP12W	441
4100P	432
4100P12W	431
4100P5W	431
4100P5W	441
4100P7W	431
4100P7W	441
4100P9W	431
4100P9W	441
4100R	433
4100R12W	431
4100R5W	431
4100R7W	431
4100R9W	431
41020-SPR	420
41020-SPW	420
41030-OFT	420
41030-SMJ	340
41054-IDD	345
41080-1AP	326
41080-1BP	326
41080-1EP	326
41080-1GP	326
41080-1IP	72
41080-1IP	326
41080-1TP	72
41080-1TP	326
41080-1WP	72
41080-1WP	326
41080-2AP	326
41080-2BP	326
41080-2EP	326
41080-2GP	326
41080-2IL	329
41080-2IP	72
41080-2IP	326
41080-2TL	329
41080-2TP	72
41080-2TP	326
41080-2WL	329
41080-2WP	72
41080-2WP	326
41080-3AP	326
41080-3BP	326
41080-3EP	326
41080-3GP	326
41080-3IP	72
41080-3IP	326
41080-3TP	72
41080-3TP	326
41080-3WP	72
41080-3WP	326
41080-4AP	326
41080-4BP	326
41080-4EP	326
41080-4GP	326
41080-4IL	329
41080-4IP	72
41080-4IP	326
41080-4TL	329
41080-4TP	72
41080-4TP	326
41080-4WL	329
41080-4WP	72, 326

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
41080-4WP	326
41080-6AP	326
41080-6BP	326
41080-6EP	326
41080-6GP	326
41080-6IP	72
41080-6IP	326
41080-6TP	72
41080-6TP	326
41080-6WP	72
41080-6WP	326
41080-IDW	331
41080-LEB	331
41080-LWB	331
41081-2IP	72
41081-2IP	328
41081-2IS	72
41081-2TP	72
41081-2TP	328
41081-2TS	72
41081-2WP	72
41081-2WP	328
41081-2WS	72
41081-4IP	72
41081-4IP	328
41081-4IS	72
41081-4TP	72
41081-4TP	328
41081-4TS	72
41081-4WP	72
41081-4WP	328
41081-4WS	72
41084-BAB	316
41084-BAF	316
41084-BBB	316
41084-BEB	316
41084-BEF	316
41084-BGB	316
41084-BGF	316
41084-BIB	316
41084-BTB	316
41084-BTF	316
41084-BWB	316
41084-BWF	316
41084-FAF	317
41084-FBF	317
41084-FEF	317
41084-FGF	317
41084-FIF	316
41084-FIF	317
41084-FIF	700
41084-FTF	317
41084-FTF	700
41084-FWF	317
41084-FWF	700
41084-S*F	323
41084-S*Z	323
41085-M*C	323
41085-ML*	323
41085-S*C	323
41085-SL*	323
41085-TP*	323
41087-2EP	324
41087-2GP	324
41087-2IP	324
41087-2TP	324
41087-2WP	324
41087-QEP	324
41087-QGP	324
41087-QIP	324
41087-QTP	324
41087-QWP	324
41089-12	339
41089-1EP	339
41089-1GP	339
41089-1IP	339
41089-1WP	339
41089-2EP	339
41089-2GP	339
41089-2IP	339
41089-2WP	339
41089-4EP	339
41089-4GP	339
41089-4IP	339
41089-4WP	339
41089-6EP	339
41089-6GP	339
41089-6IP	339
41089-6WP	339
4108W-0SP	330
4108W-1SP	330
41091-1AN	328
41091-1BN	328
41091-1IN	328
41091-1TN	328
41091-1WN	328
41091-2AN	328
41091-2BN	328
41091-2IN	328
41091-2TN	328
41091-2WN	328
41091-3AN	328
41091-3BN	328
41091-3IN	328
41091-3TN	328
41091-3WN	328
41091-4AN	328
41091-4BN	328
41091-4IN	328
41091-4TN	328
41091-4WN	328
41091-6AN	328
41091-6BN	328
41091-6IN	328
41091-6TN	328
41091-6WN	328
410L2-050	364
410L2-100	364
41100-HDL	361
41106-R*6	314
41108-R*3	314
41108-R*5	314
41108-R*8	314
41108-RI3	700
41108-RT3	700
41108-RW3	700

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
41150-019	412
41188-SM1	412
41188-SM2	411
41225-SAP	420
4125B6W	445
4125B6W	449
4125C6W	445
4125CW	448
4125P	447
4125P6W	445
4125R	448
4125R6W	445
41290-DM	336
41290-DR	336
41290-HD	336
41290-SM	336
41291-1B	337
41291-1M	337
41291-1R	336
41291-1V	336
41291-2C	337
41291-2Q	337
41291-2T	337
41291-DB	336
41291-PC	337
41291-ZT	337
41292-2B	337
41292-2C	337
41292-2T	337
41292-3R	336
41292-AV	336
41292-DV	336
41292-PC	337
41292-ZT	337
41293-4C	337
41293-4T	337
41293-HD	336
41293-PC	337
41293-ZT	337
41294-2B	337
41294-2C	337
41294-2Q	337
41294-2T	337
41294-PC	337
41294-ZT	337
41295-5B	337
41295-HD	336
41296-MM	336
4155	202
4158	202
41600-00I	369
41620-00I	369
41638-00	343
41641-00	73
41641-00	324
41642-00	73
41642-00	324
41643-00	73
41643-00	324
41644-00	73
41644-00	324
41646-00	73
41646-00	324
41647-00	73
41647-00	316
41648-00	73
41648-00	316
41649-00	337
41650-006	324
41650-00F	324
41650-6	574
41650-F	574
41652-000	324
41652-000	574
41652-006	324
41652-06F	324
41652-6	574
41652-6F	574
41658-00	343
41880-300	366
41880-EXT	366
41A10-HCM	364
41AB2-1F4	363
41AB2-1F5	363
41AB2-3F4	363
41AB2-3F5	363
41AB6-1F4	360
41AB6-3F4	360
41AW2-100	363
41AW2-300	363
41AWI-050	363
41CMS-300	366
41CMS-500	366
41CMS-HCM	366
41CMS-VSM	366
41D10-HCM	364
41D1R-HCM	366
41D6A-1FA	360
41DBR-1F4	363
41DBR-1F5	363
41DBR-2F4	363
41DBR-2F5	363
41DBR-3F4	363
41DBR-3F5	363
41DR2-100	363
41DR2-200	363
41DR2-300	363
41DR6-1F4	360
41DR6-2F4	360
41DR6-3F4	360
41DW1-589	364
41DW2-100	363
41DWI-050	363
41LBL-00W	361
41LBL-60W	361
41MB2-3F4	366
41MB2-3F5	366
41MB2-EXT	366
41MB2-SME	366
41MB2-SMF	366
41NB2-1F4	363
41NB2-1F5	363
41NB6-1F4	360
42001-FMC	597
42036-IDA	345
42038-IDA	345

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
42046-IDA	345
42048-IDA	345
42080-12	327
42080-1AP	327
42080-1AS	326
42080-1EP	327
42080-1ES	326
42080-1GP	327
42080-1GS	326
42080-1IP	327
42080-1IS	326
42080-1TP	327
42080-1TS	326
42080-1WP	327
42080-1WS	326
42080-2AP	327
42080-2AS	326
42080-2EP	327
42080-2ES	326
42080-2GP	327
42080-2GS	326
42080-2IL	329
42080-2IP	327
42080-2IS	326
42080-2TL	329
42080-2TP	327
42080-2TS	326
42080-2WL	329
42080-2WP	327
42080-2WS	326
42080-3AP	327
42080-3AS	326
42080-3EP	327
42080-3ES	326
42080-3GP	327
42080-3GS	326
42080-3IP	327
42080-3IS	326
42080-3TP	327
42080-3TS	326
42080-3WP	327
42080-3WS	326
42080-4AP	327
42080-4AS	326
42080-4EP	327
42080-4ES	326
42080-4GP	327
42080-4GS	326
42080-4IL	329
42080-4IP	327
42080-4IS	326
42080-4TL	329
42080-4TP	327
42080-4TS	326
42080-4WL	329
42080-4WP	327
42080-4WS	326
42080-6AP	327
42080-6AS	326
42080-6EP	327
42080-6ES	326
42080-6GP	327
42080-6GS	326
42080-6IP	327
42080-6IS	326
42080-6TP	327
42080-6TS	326
42080-6WP	327
42080-6WS	326
42080-8AP	327
42080-8EP	327
42080-8GP	327
42080-8IP	327
42080-8TP	327
42080-8WP	327
42081-2IS	328
42081-2TS	328
42081-2WS	328
42081-4IS	328
42081-4TS	328
42081-4WS	328
420B	433
420B12W	430
420B5W	430
420B7W	430
420B9W	430
420C	432
420C12W	430
420C5W	430
420C7W	430
420C9W	430
420MF12W	440
420MF5W	440
420MF7W	440
420MF9W	440
420MI12W	440
420MI5W	440
420MI7W	440
420MI9W	440
420P	432
420P12W	430
420P12W	440
420P5W	430
420P5W	440
420P7W	430
420P7W	440
420P9W	430
420P9W	440
420R	433
420R12W	430
420R5W	430
420R7W	430
420R9W	430
420-W	206
42120-1	597
42120-DY3	597
42277-DY3	597
423-3	654
42347-DY3	597
42400-8FG	47
42412-DY3	597
4254	536
42777-1EA	340
42777-1EB	340
42777-1GA	340
42777-1GB	340

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
42777-1IA	340
42777-1IB	340
42777-1WA	340
42777-1WB	340
42777-2EA	340
42777-2EB	340
42777-2GA	340
42777-2GB	340
42777-2IA	340
42777-2IB	340
42777-2WA	340
42777-2WB	340
43080-1L1	330
43080-1L2	330
43080-1L3	330
43080-1L4	330
43080-1L6	330
43080-1S1	330
43080-1S2	330
43080-1S3	330
43080-1S4	330
43080-1S6	330
43080-2L2	330
43080-2L4	330
43080-2L6	330
43080-2L8	330
43080-2S2	330
43080-2S4	330
43080-2S6	330
43080-2S8	330
43080-L12	330
43080-S12	330
430B	433
430B12W	430
430B5W	430
430B7W	430
430B9W	430
430C	432
430C12W	430
430C5W	430
430C7W	430
430C9W	430
430MF12W	440
430MF5W	440
430MF7W	440
430MF9W	440
430MI12W	440
430MI5W	440
430MI7W	440
430MI9W	440
430P	432
430P12W	430
430P12W	440
430P5W	430
430P5W	440
430P7W	430
430P7W	440
430P9W	430
430P9W	440
430R	433
430R12W	430
430R5W	430
430R7W	430
430R9W	430
43105-005	77
43105-005	419
43105-05	419
43108-008	77
43108-008	419
43108-08	419
43112-012	77
43112-012	419
43112-12	419
43115-015	419
43115-075	419
43115-15	419
43115-600	419
43115-75	419
431-W	205
432C3WL	445
432C3WL	448
432P3WL	445
432P3WL	447
44115-15	419
4515-07S	468
4515-10S	468
4515-15S	468
452	205
4520-07L	468
4520-07S	468
4520-10L	468
4520-10S	468
4520-15L	468
4520-15S	468
45224-RCS	420
452CR	305, 310
453	205
454CR	305, 310
4550	272
4550-IG	272
4560	272
4560-IG	272
4570-C	271
4570-CA	271
4570-CY	271
4570-PLC	271
4579-B	271
4579-C	271
4579-CY	271
4579-PLC	271
4585-C	272
4585-CWP	308
4586-C	272
4586-CWP	308
45CM-60	305
45CM-70C	305
45CM-79C	305
460B	433
460B12W	431
460B5W	431
460B7W	431
460B9W	431
460C	432
460C12W	431
460C5W	431
460C7W	431

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
460C9W	431
460MF12W	441
460MF5W	441
460MF7W	441
460MF9W	441
460MI12W	441
460MI5W	441
460MI7W	441
460MI9W	441
460P	432
460P12W	431
460P12W	441
460P5W	431
460P5W	441
460P7W	431
460P7W	441
460P9W	431
460P9W	441
460R	433
460R12W	431
460R5W	431
460R7W	431
460R9W	431
4625A-24	345
4625A-26	345
466	205
46666-0BT	423
46666-BTB	423
46666-BTS	423
467	205
46700-SLG	420
4700	272
47000-0D1	70
47000-0E1	70
47000-0W1	70
47000-CHM	71
47000-CSB	71
47000-CSG	71
47000-CWS	71
47000-MKB	70
47000-PRT	71
47000-STR	70
4700-IG	272
4702-IIR	272
4703-IIR	272
4710	272
4710-IG	272
4710-SS	272
47120-007	595, 596
47120-4X7	595, 596
4715-C	272
4715-CWP	308
4715-FWP	308
4716-C	272
4716-CWP	308
4716-FWP	308
4720-C	271
4720-CA	271
4720-CB	271
4720-CY	271
4720-PLC	271
47277-007	595, 596
47277-4X7	595, 596
4729-C	271
4729-CB	271
4729-CY	271
4729-PLC	271
4750	272
4750-IG	272
4760	272
47602-24E	44
47602-BKE	44
47603-0C5	53
47603-110	52
47603-110	77
47603-110	96
47603-12B	53
47603-12M	51
47603-12P	51
47603-18B	53
47603-18M	51
47603-18P	51
47603-1G4	50
47603-1G6	50
47603-1G8	50
47603-24P	51
47603-412	51
47603-8C1	51
47603-DP6	50
47603-TDM	53
47603-TSV	50
47604-F6D	45
47604-F6S	45
47605-0DP	54
47605-14B	42
47605-14C	42
47605-14D	42
47605-14E	42
47605-14G	42
47605-14O	42
47605-14P	42
47605-1MG	42
47605-28B	42
47605-28D	42
47605-28G	42
47605-28N	42
47605-28P	42
47605-28P	43
47605-28W	42
47605-2MG	42
47605-42D	42
47605-42N	42
47605-42P	42
47605-42W	42
47605-48P	43
47605-4MG	42
47605-ACS	54
47605-C5B	50
47605-C5B	50
47605-C5B	53
47605-CAN	54
47605-F28	42
47605-F42	42
47605-M28	43
47605-M42	43
47605-MDC	45

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
47605-MDU	45
47605-NDP	54
47605-PSA	55
47605-PSB	55
47605-PSC	55
47606-AHT	51
47606-ASO	51
47606-BNP	51
47606-BTV	51
47609-004	52
47609-00B	52
47609-0F6	52
47609-4DP	52
47609-4X4	77
47609-D5P	52
47609-EMP	53
47609-S10	52
47609-TSV	50
47609-TSV	53
4760-IG	272
47611-0C6	53
47611-5GB	59
47611-5PT	59
47611-8PT	59
47611-C6B	50
47611-C6B	53
47611-GB4	59
47611-GT4	59
47612-1SB	48
47612-28B	44
47612-42B	44
47612-6SB	48
47612-CBK	48
47612-DBK	46
47612-EBK	46
47612-FSB	48
47612-HBK	46
47612-HSB	48
47612-MMA	47
47612-SBK	46
47612-UBK	48
47612-VSB	46

Cat. No.	Page
47613-EZC	77
47613-EZR	77
47615-NYL	77
47615-PTT	421
47616-DSB	50
47616-DSB	53
47616-DSF	53
47617-HPC	98
47617-LPF	98
47617-PLT	98
47617-RBH	98
47617-REB	98
47621-CMS	96
47621-MIE	96
4763-C	540
4765-C	540
47689-0QP	350
47689-OOB	50
47690-004	63
47690-008	63
47690-04C	63
47690-06C	63
47690-08C	63
47690-0G4	63
47690-0G6	63
47690-0G6	63
47690-0G8	63
47690-4C2	63
47690-6C2	63
47690-8C2	63
47690-NFA	68
47691-3MS	64
47693-01P	60
47693-08P	60
47693-16P	60
47693-31P	60
476TL-T12	49
476TM-512	49
476TM-524	49
476TM-612	49
476TM-624	49
476TM-652	49

Cat. No.	Page
476TM-654	49
4770-B	271
4770-C	271
4770-CA	271
4770-CY	271
4770-PLC	271
4779-B	271
4779-C	271
4779-CY	271
4779-PLC	271
4785-C	272
4786-C	272
4792	307
4794-1R	307
4795-2R	307
47CM-10	305
47CM-20C	305
47CM-29C	305
47CM-60	305
48210-0VA	64
48210-MCH	96
48210-MRU	96
48210-MSU	96
48210-SRU	96
48211-06A	94
48211-WVC	93
48211-WVK	93
48212-06S	54
48212-124	56
48212-IEC	55
48213-CVS	68
48213-VMA	68
48561	103
48580	103
48585	103
48642	576
48643	576
48646	576
48648	577
48900-IFR	420
48900-OFR	420
49005-CMB	411

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
49005-DMB	411
49005-EMB	411
49006-AMB	411
49012-1	358
49012-2	358
49012-J24	358
49012-J48	358
49013-P24	358
49013-P48	358
49014-2	358
49014-4	358
49014-J24	358
49014-J48	358
49018-4	358
49018-8	358
49018-J24	358
49018-J48	358
49103-IDC	364
49104-I50	364
49104-IDC	364
49105-IDC	364
491RU-HFO	410
491RU-HFR	410
49200-00M	369
49222-BLK	333
49222-ESP	333
49222-HAO	333
49251-W62	416
49251-W63	416
49251-W64	416
4925-2	744
49252-PCM	412
49252-PO1	412
49252-PO2	412
49253-2CM	412
49253-4CM	412
49253-6CM	412
49253-BCM	412
49253-LPM	412
49253-RCM	412
49254-BA1	414
49254-BA2	414
49254-BC1	414
49254-BCM	412
49254-BP1	414
49254-BP2	414
49254-BP4	414
49254-BP4	414
49254-LPM	412
49255-448	350
49255-D48	350
49255-D72	350
49255-H24	350
49255-H48	350
49255-L24	350
49255-Q89	350
49255-R24	355
49255-R48	355
49255-R72	355
49256-D48	352
49256-D72	352
49256-H24	352
49256-H48	352
49257-I24	359
49257-QHD	359
49258-TWB	412
4925C-4CM	412
4925C-6CM	412
4925C-BCM	412
4925C-LPM	412
4926	744
4926	746
49260-MR3	416
49260-MR6	416
49261-BKT	416
49262-HR1	416
49265-BKT	410
49265-DC1	410
49265-DC2	410
49265-HNG	410
49265-WR1	410
4927	728
4928	728
49280-AP0	356
49280-AP3	356
49280-AP6	356
49280-QP0	356
49280-QP3	356
49280-QP6	356
492RU-HFO	410
492RU-HFR	410
4934	729
4937	577
49400-FHB	416
4940L-VFO	410
4940L-VFR	410
49553-066	421
49553-110	421
49553-55H	421
49553-64H	421
49553-814	77
49553-814	421
49553-TTH	421
49560-LLC	423
49560-TTS	423
49561-LLC	423
49561-TTS	423
49562-TSK	423
49563	103
49566	103
49566-LED	103
49567	103
49568	103
49575-CTS	423
49660-00C	423
49660-00P	77
49687	101
4970	744
4970	746
4976	746
4976-FS	746
4978	746
4979	746
4980	746
49800-680	426
49800-CON	426

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
49800-FAN	399
49800-FAN	426
49800-FCC	426
49800-FTK	424
49800-LAK	424
49800-MSK	424
49800-MTK	424
49800-SMK	424
49800-UTP	424
4980-GY	279, 285, 291
4980L-VFO	410
4980L-VFR	410
49816-C	192
49875	192
49882-MST	321
49882-SST	321
49884-DPC	321
49884-MSC	321
49884-SSC	321
49885-SBS	321
49885-SLV	321
49886-03F	426
49886-12F	426
49886-APD	426
49886-BR2	425
49886-BR9	425
49886-CSE	425
49886-CTA	425
49886-CTT	425
49886-DLM	322
49886-DLS	322
49886-DSC	322
49886-DWP	426
49886-FCC	425
49886-FCN	426
49886-FCS	421
49886-FCT	425
49886-FLA	425
49886-FSP	425
49886-GLS	425
49886-LCP	425
49886-LGN	425
49886-LNT	425
49886-LNX	425
49886-PAD	425
49886-PUC	425
49886-SCP	425
49886-SCR	425
49886-SIS	421
49886-SIS	425
49886-SMP	425
49886-SPD	425
49886-STP	425
49886-SYR	426
49886-TVC	425
49886-VFL	425
49886-WIRE	426
49886-X3F	426
49887-06L	399
49887-06S	399
49887-12L	399
49887-12S	399
4990	744
4990	746
49910-EE4	333
49910-EG4	333
49910-EI4	333
49910-EW4	333
49910-HE2	333
49910-HE4	333
49910-HG2	333
49910-HG4	333
49910-HI2	333
49910-HI4	333
49910-HW2	333
49910-HW4	333
49910-SE2	333
49910-SE4	333
49910-SG2	333
49910-SG4	333
49910-SI2	333
49910-SI4	333
49910-SW2	333
49910-SW4	333
4992	744
4992	746
49990-ML2	322
49990-MSC	322
49990-MST	322
49990-SL2	322
49990-SSC	322
49990-SST	322
49991-5LC	320
49991-5SC	320
49991-5ST	320
49991-LLC	320
49991-LSC	320
49991-MLC	320
49991-MSC	320
49991-MST	320
49991-SLC	320
49991-SSC	320
49991-SST	320
49COP	517
49CSR	517
49DSF	517
49DSM	517
49DSR	517
49F31	515
49F44	515
49F53	515
49F64	515
49F77	515
49FR1-0X	516
49FR1-C	516
49FR2-0X	516
49FR2-C	516
49GAS	517
49M31	515
49M44	515
49M53	515
49M64	515
49M77	515
49MR1-0X	516
49MR1-C	516
49MR2-0X	516

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
49MR2-C	516
49PNR	517
4S089-2IP	339
4S089-2WP	339
4S089-4IP	339
4S089-4WP	339
4S115-75E	419
4S255-S24	350
4S255-S48	350
4S256-S24	352
4S256-S48	352
4W006-AMB	411
4W254-BA1	414
4W254-BA2	414
4W254-BC1	414
4W254-BCM	412
4W254-LPM	412
4W256-D72	354
4W256-H24	354
4W256-H48	354
5000	582
5015	572
5020C-C0	700
50240-ASA	610
50240-MSA	610
5028	571
5029	572
5031	570
5032	549
5032-I	549
5040	571
5042	571
5050	550
5054	550
5059	572
5088	569
5089	569
50DLC-M01	403
50DLC-M02	403
50DLC-M03	403
50DLC-M05	403
50DLC-M10	403
50DSC-M01	403
50DSC-M02	403
50DSC-M03	403
50DSC-M05	403
50DSC-M10	403
50DST-M01	403
50DST-M02	403
50DST-M03	403
50DST-M05	403
50DST-M10	403
50PLC-KIT	401
50PLC-M03	401
50PSC-KIT	401
50PSC-M03	401
50PST-KIT	401
50PST-M03	401
50SLC-M01	403
50SLC-M02	403
50SLC-M03	403
50SLC-M05	403
50SLC-M10	403
50SSC-M01	403
50SSC-M02	403
50SSC-M03	403
50SSC-M05	403
50SSC-M10	403
50SST-M01	403
50SST-M02	403
50SST-M03	403
50SST-M05	403
50SST-M10	403
50W50	303
50W50	544
50W50-B	303
50W52	303
50W52-B	303
50W54	303
50W54-B	303
51005-DIN	602
51005-WM	602
5100B	433
5100B5W	431
5100B7W	431
5100B9W	431
5100C	432
5100C5W	431
5100C7W	431
5100C9W	431
5100-IPS	600
5100-IS2	600
5100MB9W	441
5100MI5W	441
5100MI7W	441
5100MI9W	441
5100P	432
5100P5W	431
5100P5W	441
5100P7W	431
5100P7W	441
5100P9W	431
5100P9W	441
5100-PS	600
5100R	433
5100R5W	431
5100R7W	431
5100R9W	431
5100-S15	600
51010-DIN	602
51010-WM	602
51012	103
51012-LED	103
51015-WM	602
51018	103
51020-DIN	602
51020-WM	602
51084-CLB	73
51084-CLB	331
51084-ICN	73
51084-ICN	331
51084-XLB	73
51084-XLB	331
51110-1	611
51110-PTC	188
51110-PTC	611

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
51120-1	188
51120-1	611
51120-3	188
51120-3	611
51120-3R	188
51120-3R	610
51120-M2H	188
51240-DIN	602
51240-WM	602
5125B6W	445
5125B6W	449
5125C6W	445
5125CW	448
5125P	447
5125P6W	445
5125R	448
5125R6W	445
515AN	563
515CA	563
515CR	563
515CV	563
515PA	563
515PR	563
515PV	563
516	206
517	206
5200-PS	600
5200-S15	600
5206	550
5207	550
520B	433
520B5W	430
520B7W	430
520B9W	430
520C	432
520C5W	430
520C7W	430
520C9W	430
520CA	563
520CV	563
520MI5W	440
520MI7W	440
520MI9W	440
520P	432
520P5W	430
520P5W	440
520P7W	430
520P7W	440
520P9W	430
520P9W	440
520PA	563
520PV	563
520R	433
520R5W	430
520R7W	430
520R9W	430
52120-7C3	595, 596
52120-7M3	595, 596
52120-CM1	594
52120-CM2	593
52120-CM3	593
52120-CM3	594
52120-M1	593
52120-M1	594
52120-M2	593
52120-M2	594
52120-M2H	593
52120-M2H	594
52120-M3	593
52120-M3	594
5224	34
52240-DM3	593
52240-DM3	594
5224-2	34
5224-C0	686
5225	34
5226	35
52277-7C3	595, 596
52277-7M3	595, 596
52277-CM3	593
52277-CM3	594
52277-M3	593
52277-M3	594
523	206
5239	563
524	206
5240	563
5241	35
52412-DS3	593
52412-DS3	594
5242	558
5243	35
5245	35
5248	581
52480-DM3	593
52480-DM3	594
5249-CAP	573
5249-FBA	573
5250	573
5251	558
5252	556
5256-V	542
5256-VA	542
5258-SS	572
5259-V	542
5261	556
5261-0CH	98
5261-CH	556
5261-IG	557
5262	556
5262-C	557
5262-IG	557
5262-L	557
5262-S	557
5266-C	539
5266-CA	539
5266-N	539
5266-PL	539
5269-C	539
5269-CA	539
5269-N	539
5269-PL	539
5278-C	539
5278-CWP	543
5278-FWP	543
5279-C	539

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
5279-CWP	543
5279-FWP	543
5280	607
5280-IG	608
5291	558
52CM-66C	546
52CM-69C	546
5300-H15	600
5300-HT2	600
5300-HTS	600
5300-IPS	600
5300-PS	600
5300-PSC	600
5300-PST	600
5300-S15	600
530B	433
530B5W	430
530B7W	430
530B9W	430
530C	432
530C5W	430
530C7W	430
530C9W	430
530MF5W	440
530MF7W	440
530MI5W	440
530MI7W	440
530MI9W	440
530P	432
530P5W	430
530P5W	440
530P7W	430
530P7W	440
530P9W	430
530P9W	440
530R	433
530R5W	430
530R7W	430
530R9W	430
531	101
5320	581
5320-S	581
5325	579
5325-S	579
5328	579
5334	34
5335	34
5336	35
5340	571
5342	558
5349-FBA	573
5351	558
5352	556
5356-V	542
5356-VA	542
5359-V	542
5361	556
5361-0CH	98
5361-CH	556
5361-IG	557
5362	556
5362-BIG	557
5362-C	557
5362-IG	557
5362-L	557
5362-S	557
5366-C	540
5366-CA	540
5366-PL	540
5369-C	540
5369-CA	540
5369-PL	540
5371	549
5371-IG	549
5372	549
5372-IG	549
5373	549
5374	550
5374-IG	550
5376	549
5378	550
5380	607
5380-IG	608
53CM-66C	546
53CM-69C	546
5410	654
54501-2	642
54502-2	642
54503-2	643
54504-2	643
54504-2	651
54521	644
54521-2	642
54521-C0	687
54522-2	642
54522-2	644
54523-2	643
54523-2	644
54523-C0	687
54524-2	643
54524-2	644
5456-V	542
5456-VA	542
5458-SS	572
5459-V	542
5461	556
5462	556
5462-IG	557
5466-C	540
5469-C	540
5478-C	540
5478-CWP	543
5479-C	540
5479-CWP	543
5480	598
5480-IG	598
5490	598
5490-1G	598
55	203
5500-15N	467
5500-190	467
5500-192	467
5500-20L	467
5500-20N	467
5500-2NL	467
5501-8	642

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
5501-LHC	643
5502-8	642
5503-LHC	643
55050	551
5505-190	467
55054	551
55175-ASA	606
55175-ASA	606
554	201
555	201
5558-SS	572
55650-ASA	606
55650-ASA	606
5585	570
560	201
5601-2	647
5601-Z2	648
5602-2	647
5603-2	647
5604-2	647
560B	433
560B5W	431
560B7W	431
560B9W	431
560C	432
560C5W	431
560C7W	431
560C9W	431
560MF9W	441
560MI5W	441
560MI7W	441
560MI9W	441
560P	432
560P5W	431
560P5W	441
560P7W	431
560P7W	441
560P9W	431
560P9W	441
560R	433
560R5W	431
560R7W	431
560R9W	431
5611	648
5611-2	648
5613	648
5613-2	648
5614	648
5614-2	648
5618-2	648
5621-2	636
5621-C	636
5621-C0	687
5622-2	636
5623-2	636
5623-C	636
5623-C0	687
5624-2	636
5624-C	636
5625	31
5626	31
5627	32
5628-2	639
5629-2	639
5631-2	639
5631C-C0	687
5633-2	639
5634	32
5636	31
5637	31
5638-2	639
5639-2	639
5640	32
5641	32
5643	32
5645	32
5649-2	639
565	201
5651	558
5657-2	638
5658-SS	572
5659-2	639
5661	556
5662	556
5666-C	539
5666-CA	539
5669-C	539
5685-2	638
5686-2	638
5691-2	636
5691-C	636
5693-2	636
5693-C	636
5694-C	636
570	201
571	201
57120-C3S	591, 592
57120-CM3	591, 592
57120-M3	591, 592
57120-M3S	591, 592
57240-DM3	591, 592
57277-C3S	591, 592
57277-CM3	591, 592
57277-M3	591, 592
57277-M3S	591, 592
57346-M3	591, 592
57480-DM3	591, 592
57600-DM3	591, 592
5801	572
5821	572
5822	571
5823	569
5824	569
5842	570
5844	569
5866-C	540
5869-C	540
5891	569
59265-5DC	410
5951	56
5951	57
5952	57
5953	57
5954	57
5955	57
5976-CL	747

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
5976-DCL	747
5976-DGY	747
5976-GY	747
5977-CL	747
5977-DCL	747
5977-DGY	747
5977-GY	747
5978-CL	747
5978-DCL	747
5978-DGY	747
5978-GY	747
5996-CL	747
5996-DCL	747
5996-DGY	747
5996-GY	747
5997-CL	747
5997-DCL	747
5997-DGY	747
5997-GY	747
5C000-RPL	372
5D000-*UL	372
5D000-*UN	372
5D000-1RM	377
5D000-2RM	377
5D000-2RP	377
5D000-3RM	377
5D000-3RP	377
5D460-xx*	370
5EA20-M1*	71
5EA20-M2*	71
5EA20-M3*	71
5EA20-M4*	71
5EA20-S1*	71
5EA20-S2*	71
5EA20-S3*	71
5EA20-S4*	71
5EHOM-RB5	75
5EHOM-RE5	75
5EHOM-RG5	75
5EHOM-RI5	75
5EHOM-RL5	75
5EHOM-RT5	75
5EHOM-RW5	75
5ETLS-RB5	75
5ETLS-RE5	75
5ETLS-RG5	75
5ETLS-RI5	75
5ETLS-RL5	75
5ETLS-RT5	75
5ETLS-RW5	75
5F100-12A	391
5F100-12P	391
5F100-12V	391
5F100-12Z	391
5F100-16A	391
5F100-16P	391
5F100-16Z	391
5F100-1ST	391
5F100-24A	391
5F100-24P	391
5F100-24Z	391
5F100-3AC	391
5F100-3BC	391
5F100-3CA	391
5F100-3ZC	391
5F100-6AC	391
5F100-6BC	391
5F100-6CA	391
5F100-6MP	391
5F100-6QP	47
5F100-6QP	391
5F100-6VF	47
5F100-6ZC	391
5F100-6ZT	391
5F100-8ST	391
5F100-8ZT	391
5F100-BLK	391
5F100-BNC	47
5F100-BPP	391
5G108-24*	314
5G108-B*5	314
5G108-R*5	314
5G108-RI5	700
5G108-RT5	700
5G108-RW5	700
5G110-24*	314
5G110-B*5	314
5G110-R*5	314
5G180-SH5	314
5G270-D48	350
5G270-U24	350
5G270-U48	350
5G460-xx*	370
5G596-C48	348
5G596-R24	355
5G596-R48	355
5G596-U12	348
5G596-U24	348
5G596-U48	348
5G596-U89	348
5G596-U96	348
5G597-U48	352
5HHOM-01	76
5HHOM-02	76
5HHOM-03	76
5HHOM-04	76
5HHOM-6I	76
5L000-L0K	377
5L000-LOK	42
5L000-LOK	42
5L000-LOK	42
5LDLC-M01	403
5LDLC-M01	403
5LDLC-M02	403
5LDLC-M02	403
5LDLC-M03	403
5LDLC-M03	403
5LDLC-M05	403
5LDLC-M05	403
5LDLC-M10	403
5LDLC-M10	403
5LDSC-M01	403
5LDSC-M02	403
5LDSC-M03	403
5LDSC-M05	403
5LDSC-M10	403

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
5LHOM-01	76
5LHOM-02	76
5LHOM-03	76
5LHOM-04	76
5LHOM-6I	76
5LPLC-KIT	401
5LPSC-KIT	401
5M100-SME	377
5P030-0AB	374
5P030-0HB	374
5P130-00N	374
5P230-0AB	374
5P230-0HB	374
5P330-0AB	374
5P330-0HB	374
5R030-0AB	374
5R030-0HB	374
5R100-0FR	376
5R100-0FR	377
5R100-14R	372
5R130-00N	374
5R1RU-023	372
5R1UA-A03	376
5R1UA-A03	376
5R1UH-S03	372
5R230-0AB	374
5R230-0HB	374
5R2UA-A06	376
5R2UH-S06	372
5R330-0AB	374
5R330-0HB	374
5R3UA-A12	376
5R430-00N	375
5R440-00N	375
5R460-00N	375
5R4UH-S12	372
5R730-00N	375
5R740-00N	375
5R760-00N	375
5R930-00N	375
5R940-00N	375
5R960-00N	375
5RCMP-KIT	372
5RIRU-023	377
5S100-SLM	377
5S460-xxS	371
5T000-00T	396
5W110-00N	384
5W120-00N	384
5W170-00N	384
5W310-00N	384
5W320-00N	384
5W370-00N	384
5W597-U48	354
5W710-00N	384
5W720-00N	384
5W770-00N	384
5Z460	370
6	193
6000-C0	686
6010-C0	686
6017	541
6017-L	288
6017-LY	288
6018	541
6018-L	288
6018-LY	288
6020-C0	686
6030-C0	686
6031	288
6031-Y	288
6032	288
6032-Y	288
6033	288
6033-Y	288
6034	288
6034-Y	288
6040-C0	686
6050-C0	686
60IB-01	521
60IS	521
60MP	521
60RB-01	521
60RS	521
60W03	305, 310
60W03-B	305, 310
60W04	305, 310
60W04-B	305, 310
60W05	305, 310
60W05-B	305, 310
61	102
6110G-R*6	313
61110-24*	313
61110-B*6	313
61110-R*6	313
612	576
6151	266
615CA	563
615PA	563
615PV	563
6161	266
617	577
6196-FS	744
6196-VFS	744
6197	740
61HOM-RB6	75
61HOM-RE6	75
61HOM-RG6	75
61HOM-RI6	75
61HOM-RL6	75
61HOM-RT6	75
61HOM-RW6	75
61TLS-RB6	75
61TLS-RE6	75
61TLS-RG6	75
61TLS-RI6	75
61TLS-RL6	75
61TLS-RT6	75
61TLS-RW6	75
620CA	563
620CV	563
620PA	563
620PV	563
62240-01S	361
62240-02S	361
62240-03S	361

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
62240-05S	361
62240-07S	361
62240-10S	361
6227	186
6234A-01S	361
6234A-02S	361
6234A-03S	361
6234A-05S	361
6234A-07S	361
6234A-10S	361
6234B-01S	361
6234B-02S	361
6234B-03S	361
6234B-05S	361
6234B-07S	361
6234B-10S	361
62460-xx*	370
6250-3	266
6280	186
6284	189
6285	189
6287	190
6288	190
6289	190
6291-WI	184
6293-WI	184
6294	185
6296	186
6298	186
6299	189
62DCL-M01	402
62DCL-M02	402
62DCL-M03	402
62DCL-M05	402
62DCL-M10	402
62DCT-M01	402
62DCT-M02	402
62DCT-M03	402
62DCT-M05	402
62DCT-M10	402
62DLC-M01	402
62DLC-M02	402
62DLC-M03	402
62DLC-M05	402
62DLC-M10	402
62DSC-M01	402
62DSC-M02	402
62DSC-M03	402
62DSC-M05	402
62DSC-M10	402
62DST-M01	402
62DST-M02	402
62DST-M03	402
62DST-M05	402
62DST-M10	402
62PLC-KIT	401
62PLC-M03	401
62PSC-KIT	401
62PSC-M03	401
62PST-KIT	401
62PST-M03	401
62SCL-M01	402
62SCL-M02	402
62SCL-M03	402
62SCL-M05	402
62SCL-M10	402
62SCT-M01	402
62SCT-M02	402
62SCT-M03	402
62SCT-M05	402
62SCT-M10	402
62SLC-M01	402
62SLC-M02	402
62SLC-M03	402
62SLC-M05	402
62SLC-M10	402
62SSC-M01	402
62SSC-M02	402
62SSC-M03	402
62SSC-M05	402
62SSC-M10	402
62SST-M01	402
62SST-M02	402
62SST-M03	402
62SST-M05	402
62SST-M10	402
63	101
6320	180
6337	187
6360CR	286
6361CR	286
6364CR	286
6365CR	286
6369CR	286
6370CR	286
6371	185
6375	187
6375CR	286
6376	187
6377CR	286
6386	190
65	101
6511-6	104
6526	38
6527	38
6594	160
6602-220	264
6613-PL	260, 261
6615-P	260, 261
6616-X	264, 265
6627-1	260, 261
6628	260, 261
6629-3	260, 261
6630	260, 261
6631-L	260, 261
6633-PL	260, 261
6637-P	260, 261
6639	264, 265
6641	263
6643	263
6651	145
6652	145
66591-WL	157
6668	260, 261
6673-P	260
6673-P CFL	261

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
6683	264, 265
6683-C0Z	694
6691	263
6693	263
688	582
688-00	98
689-00	98
6894	160
69	101
690-00	98
69104-IDC	361
6910G-D48	350
6910G-U24	350
6910G-U48	350
692	101
69270-D48	350
69270-U24	350
69270-U48	350
694	101
69585-IDL	359
69586-C48	348
69586-R24	355
69586-R48	355
69586-U12	348
69586-U24	348
69586-U48	348
69586-U89	348
69586-U96	348
69587-U48	352
69591-25	158
69591-3	158
69591-W25	158
69591-W3	158
69593-3	158
697	101
698	101
69891-3	158
69891-W3	158
699	101
6A10G-R*6	313
6A586-U24	348
6A586-U48	348

Cat. No.	Page
6A587-U24	352
6A587-U48	352
6ADPT	101
6AS10-xx*	370
6D460-xx*	370
6HHOM-01	76
6HHOM-02	76
6HHOM-03	76
6HHOM-04	76
6HHOM-6I	76
6LHOM-01	76
6LHOM-02	76
6LHOM-03	76
6LHOM-04	76
6LHOM-6I	76
6-N	193
6RU	392
6S10G-S6A	313
6S180-SH6	313
6S460-xxS	371
6S8175	294
6W587-U48	354
6Z460	370
7000-C0	690
70052-100	200
7020-C0	690
7070	194
7070-M	194
7080	194
7080-M	194
7080-M	194
7090	194
7090-M	194
7092-2M	194
7101-C	275
7102-C	275
7102-NP	275
7210-B	275
7250-FR	552
7251-C	552
7280	607
7299	32

Cat. No.	Page
7310-B	290
7313	549
7314-C	290
7379	293
7380	607
7408-C	290
7409-C	290
7410-B	290
7411-C	290
74120-7M3	590
7413-C	290
7420-CR	744
7420-CR	279, 285, 291
7420-CRG	744
74277-7M3	590
7506-C	272
75120-7M3	590
7526-C	272
75277-7M3	590
7535	273
7540	273
7545-C	272
7556	289
7557	289
7559-L	153
7565-C	289
7567-C	289
7582	289
7590	154
7599	153
7599-C0	691
7599-DIN	152
7599-F	154
7599-HF	152
7599-HG	151
7599-SG	153
7715CR	288
7715CRY	288
7717CR	288
7717CRY	288
7764C	293
7765C	293

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
7770	288
7770	293
7770	294
7770	744
7788CR	288
7788-CR	294
7788-CR	744
778-CR	293
78000-PRT	741
78001	716
78003	720
78004	722
78005	731
78009	716
78011	716
78012	716
78013	723
78014	725
78016	720
78021	731
78023	717
78025	725
78030	720
78036	717
78400-PRT	741
78500-PRT	741
7899	153
7899-C0	691
7899-F	154
7899-HF	152
7899-HG	151
7899-L	153
7899-SG	153
7958	293
8004	194
8004-M	194
8004-M	194
80301-S	709
80309-S	709
80311-S	709
80312-S	710
80314	739
80321-S	710
80326-S	710
80381	739
80400	264
80400	740
80401	711
80401-CO	738
80401-GF	738
80401-IG	738
80401-N	711
80405	732
80407	712
80408	712
80409	711
80409-N	711
80411	711
80411-N	711
80412	711
80412N	711
80414	740
80414-00	324
80421	732
80423	712
80431	732
80436	712
80455	734
80479	734
80501	718
80503	721
80504	722
80505	735
80506	735
80508	736
80509	718
80511	718
80512	718
80513	723
80514	726
80516	721
80521	735
8052-1	200
80525	726
80526	729
80528	728
80530	729
80533	726
80601	713
80605	735
80608	736
80609	713
80611	713
80612	713
80700	740
80701	716
80701-RE	738
80703	307
80703	720
80703-CO	738
80703-GF	738
80703-IG	738
80703-RE	738
80704	722
80704-IG	738
80705	731
80706	733
80707	732
80708	733
80709	716
80711	716
80712	716
80712	716
80714	725
80716	720
80716-IG	738
80716-RE	738
80718	724
80719	727
80720	728
80721	731
80723	717
80725	725
80726	729
80728	728
80730	720

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
80730	720
80731	732
80732	732
80734	727
80735	725
80736	717
80736	717
80743	731
80745	732
80746	734
80747	733
80781	742
80781-00	341
80782	742
80782-00	341
81001	716
81001-PB	716
81003	720
81003-PB	720
81004	722
81005	731
81009	716
81009-PB	716
8101	200
81011	716
81011-PB	716
81012	716
81012-PB	716
81013	723
81013-PB	723
81014	725
81016	720
81017	723
81021	731
81023	717
81023-PB	717
81025	725
81025-PB	725
81036	717
81040	729
81045	733
81079	729
81080	729
8110	198
81401	711
81401-PB	711
81409	711
81409-PB	711
81411	711
81411-PB	711
81412	711
81423	712
8200	532
8200	532
82001	716
82003	720
82004	722
82005	731
82009	716
8200-C	533
8200-H	533
8200-HL	533
8200-IG	534
8200-L	533
8200-PL	532
8200-SG	532
82011	716
82012	716
82013	723
82014	725
82016	720
82021	731
82023	717
82025	725
82036	717
82080	729
8210	532
8210-IG	534
8215-C	527
8215-CAT	527
8215-CT	527
8215-PLC	527
8219-C	527
8219-CT	527
8219-PLC	527
82400-PRT	741
8256-V	528
8259-V	528
82601	714
82602	714
8280	587
8280	587
8300	532
83001	716
83003	720
83004	722
83005	731
83009	716
8300-C	533
8300-H	533
8300-HL	533
8300-IG	534
8300-L	533
8300-PL	532
8300-SG	532
83011	716
83012	716
83013	723
83014	725
83014-EXT	746
83016	720
83025	725
83025-EXT	746
83026	729
83028	728
830-T	549
830-T	564
8310	532
8310-IG	534
8315-C	527
8315-CAT	527
8315-CT	527
8315-PLC	527
8319-C	527
8319-CT	527
8319-PLC	527

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
8330	552
8332-P	552
83401	711
83409	711
83411	711
8350	552
8352-P	552
8356-V	528
8359-V	528
8360	552
8362-P	552
8380	587
8380	587
8381	587
8381	587
84000-PRT	741
84000-T	741
84000-TSD	741
84001	716
84001-40	716
84001-LOK	718
84001-LOK	744
84003	720
84003-40	720
84003-40	305, 310
84003-E4	738
84003-E4	738
84003-IG	738
84003-IG	738
84004-40	722
84004-40	305, 307, 310
84005	731
84005-40	731
84006-40	733
84007	731
84007-40	731
84008-40	734
84009	716
84009-40	716
84011	716
84011-40	716
84012	716
84012-40	716
84013	723
84013-40	723
84014	725
84014-40	725
84016	720
84016-E4	738
84017-40	723
84018-40	724
84019	727
84019-40	727
84020-40	728
84020-40	279, 285, 291
84021-40	731
84022	729
84023-40	717
84025	725
84025-40	725
84026	729
84028	728
84030-40	720
84033-40	725
84034-40	727
84035-40	727
84036-40	717
84037-40	724
84039-40	729
84040-40	729
84041	720
84042-40	731
84043	731
84045-40	733
84046-40	734
84047-40	733
84048-40	717
84049-40	717
84050-40	717
84052-40	722
84055-40	720
84056-40	720
84057-40	727
84064	725
84064-40	725
84065-40	725
84066-40	725
84067-40	725
84068-40	725
84070-40	717
84071-40	633
84071-40	724
84072-40	633
84072-40	724
84073-40	633
84073-40	724
84077-40	733
84078-40	734
84079-40	729
84080-40	729
84081-40	729
84085-40	734
84087-40	734
84088-40	731
84092-40	729
84101	719
84101-40	719
84103	721
84103-40	721
84104-40	722
84105-40	736
84109-40	719
84111-40	719
84112-40	719
84114	726
84114-40	726
84116	721
84116-40	721
84119-40	727
84121-40	736
84125-40	726
84130-40	721
84133-40	726
84134-40	727
84137-N	724
84146-40	737

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
84147-40	737
8415-CAT	527
8430	551
8432-P	551
84400-PRT	741
84400-PRT	741
84401-40	711
84409-40	711
84411-40	711
84412-40	711
84421-40	732
84423-40	712
84436-40	712
84441-40	742
84442-40	742
84444-40	742
84455-40	734
8450	551
8450-IG	551
8452-P	551
8460	551
8462-P	551
8480	588
8480-IG	588
8490	588
8490-IG	588
85000-PRT	741
85001	716
85003	720
85004	722
85005	731
85006	733
85006	735
85008	734
85009	716
85011	716
85012	716
85013	723
85014	725
85016	720
85018	724
85019	727
85021	731
85023	717
85025	725
85030	720
85033	725
85036	717
85041	720
85047	733
85052	722
85064	725
85101	719
85103	721
85109	719
85114	726
85116	721
8600	532
86000-PRT	741
86001	716
86003	720
86004	722
86005	731
86006	733
86007	731
86008	734
86009	716
86011	716
86012	716
86013	723
86014	725
86016	720
86016-40	720
86016-E4	738
86017	723
86018	724
86019	727
86021	731
86023	717
86025	725
86030	720
86033	725
86034	727
86035	727
86036	717
86041	720
86046	734
86047	733
86052	722
86057	727
86061-40	723
86062	723
86062-40	723
86064	725
86077	734
86078	734
86079	729
86080	729
86085	734
86087	734
86101	719
86103	721
86105	736
86106	736
86108	737
86109	719
86111	719
86113	724
86114	726
86116	721
86400-PRT	741
8647	198
86500-PRT	741
8656-V	528
86592-CCL	706
86593-0EM	160
86593-1EM	156
86593-1EM	160
86594-CGY	706
86595-CGY	706
86596-CGY	706
86597-CGY	706
86598-CGY	706
86599-CGY	706
8659-V	528
86601	714

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
86602	714
8681-	198
8681-400	198
8684	202
8694	197
87001	716
87003	720
87005	731
87009	716
87011	716
87012	716
87014	725
87016	720
87025	725
87400-PRT	741
8746	197
8750	197
8751	197
8756	197
8765	197
88000-PRT	741
88001	716
88003	720
88004	722
88005	731
88006	733
88007	731
88008	734
88009	716
88011	716
88012	716
88013	723
88014	725
88016	720
88017	723
88018	724
88019	727
88021	731
88023	717
88025	725
88030	720
88033	725
88034	727
88035	727
88036	717
88037	724
88041	720
88046	734
88047	733
88052	722
88057	727
8806	197
88062	723
88064	725
88077	734
88078	734
88079	729
88080	729
88085	734
88087	734
88101	719
88103	721
88105	736
88106	736
88109	719
88111	719
88113	724
88114	726
88116	721
8827-CW1	192
8827-CW2	192
8827-CW4	192
8829-CW1	192
8829-CW2	192
8829-CW4	192
88400-PRT	741
88500-PRT	741
88601	714
88602	714
8871	199
8875	199
8880	199
89265-BKT	409
89265-SL1	409
89265-WR1	409
8980L-VFO	409
8980L-VFR	409
8C80L-VFO	409
8C80L-VFR	409
905	195
9063	198
9151-N	549
930	564
931	564
9332-P	550
9346	194
9346	194
9347	194
9350	199
9432-P	551
9450-P	550
9452-P	551
9460	551
9460-IG	551
9462-P	551
95080	194
95110	194
9530-P	549
9550-P	549
9630-P	549
9650-P	550
97092	194
9716-C	193
9726-C	193
9730-A	549
9730-P	549
9750-A	550
9750-P	550
9800	202
9805	202
9805-A	202
9814	200
9820	193
9820-N	193
9839	193
9860	204

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
9860-B	204
9860-BL	204
9860-BL/HG	204
9860-L	204
9860-L	204
9862-PC/PCH	204
9865	204
9874	192
9875	192
9875-2	192
9880	199
9882	199
9883	192
9885	199
9965-C	290
A0001	512
A0002	512
A0003	513
A0004	513
A0005	513
A0006	513
A0007	513
A15DD-230	233
A20DC-012	233
A20DC-A27	233
A20DD-012	233
A20DD-230	233
A20DD-A27	233
A20HD-012	233
A20UN-012	233
A20UN-027	233
A273B-	228, 234
A2K1B-	228, 234
A2K3B-	228, 234
AC084-B*B	28
AC084-B*F	28
AC084-F*F	28
AC1080-R*5	28
AC201-1L	20
AC201-7L	20
AC203-1L	20
AC203-7L	21

Cat. No.	Page
AC204-1L	20
AC204-7L	21
AC215	23
AC220	23
AC315	23
AC320	23
AC642	28
AC643	28
AC644	28
AC646	28
AC734-SV*	28
AC735-RO*	28
AC735-RR*	28
AC735-RW*	28
AC735-RY*	28
AC830-B*E	28
AC830-B*R	28
AC830-B*Y	28
AC831-0B*	28
AC832-0B*	28
AC833-B*E	28
AC833-B*R	28
AC837-B*E	28
AC837-B*R	28
ACGF1	24
ACGF2	24
ACP0R-CB	17
ACP10	17
ACP15-CB	17
ACSR6	24
ACSSR	24
ACT60	17
ACW14	26
ACW4P	26
ACWM1-24K	26
ACWM1-PCH	26
ACWM1-STS	26
ACWM2-24K	26
ACWM2-PCH	26
ACWM2-STS	26
ACWM3-24K	26
ACWM3-PCH	26

Cat. No.	Page
ACWM3-STS	26
ACWM4-24K	26
ACWM4-PCH	26
ACWM4-STS	26
ACWM5-24K	26
ACWM5-PCH	26
ACWM5-PCH	26
ACWM5-STS	26
ACWM6-24K	26
ACWM6-STS	26
ACWP1	26
ACWP2	26
ACWP3	26
ACWP5	26
ACWP6	26
AE6MA-000	91, 92
AE6MC-000	91, 92
AE6MC-PAD	92
AE6MC-RMT	92
AEBC6-000	79
AEC65-000	79
AEC80-000	79
AECCS-VCE	84
AEH50-0BL	86
AEH50-0WH	86
AEHTK-000	95
AEI55-000	85
AEI65-000	78
AEI80-000	78
AEM65-000	79
AEMRK-000	95
AEN24-000	80
AEPC8-KIT	79
AEPHK-0BL	87
AEPHK-0WH	87
AEPI6-KIT	79
AEPI8-KIT	79
AEPIS-KIT	79
AES36-000	80
AESS5-0BL	87
AESS5-0WH	87
AESUB-012	84

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
AMRMG-xxx	236
AP100	451
AP60	451
APL*6-6MP	394
APL*6-BLK	394
APL*6-LDM	394
APL*6-LDS	394
APL*6-LQM	394
APL*6-LQS	394
APL*6-SCA	394
APL*6-SCM	394
APL*6-SCS	394
APL*6-SDA	394
APL*6-SDM	394
APL*6-SDS	394
APL*6-STM	394
APL*6-STS	394
APL*8-STM	394
APL*8-STS	394
APL12-BLK	394
APL12-LDM	394
APL12-LDS	394
APL12-SCM	394
APL12-SCS	394
APL12-STM	394
APL12-STS	394
APLB6-6QP	394
APLB6-LDL	394
APLB6-LQL	394
APLB6-SDL	394
APLW8-SCA	394
APLW8-SCM	394
APLW8-SCS	394
APPLC-S03	401
APPSC-S03	401
APSSC-S01	404
APSSC-S02	404
APSSC-S03	404
APSSC-S05	404
APSSC-S10	404
AT00R-10	16
AT00R-1L	16
AT00R-7L	16
AT0SR-10	20
AT0SR-1L	20
ATE04-1L	15, 17
ATE06-1L	15, 17
ATF01-1L	16, 17
ATGF1	24
ATH06-7L	16, 17
ATH08-1L	16, 17
ATI06-1L	15, 17
ATM06-1L	15, 17
ATM10-1L	15, 17
ATS15-1L	20
ATX10-1L	16, 17
ATX12-7L	16, 17
AWP0y-nwc	238
AWSMG-xxx	236
AWSMT-xxx	236
AWSRG-00W	237
AWSRT-00W	237
AWWMG-0DW	237
AWWMT-0DW	237
AWWRG-00W	237
AWWRT-00W	237
AWWRT-00W	237
AWyCG-00x	237
AWyCT-00x	237
BC100-0VA	70
BC100-VAS	70
BC100-XAS	70
BC200-4VD	70
BC200-AMP	70
BC200-AVD	70
BC300-VSE	70
BL000-00W	332
BL186-A1W	332
BL186-A2W	332
BL186-P1W	332
BL186-P2W	332
BL186-P4W	332
BLWP1-CHG	332
BLWP1-GSS	332
BLWP1-HTP	332
BLWP1-MEG	332
BLWP1-NVB	332
BLWP1-PEY	332
BLWP1-PIB	332
BLWP1-SKB	332
BR15	569
BR20	569
BR200-00W	70
BR300-BOX	70
BR300-SMK	70
BT102-01G	70
BT200-DPG	70
BT500-HAC	70
BT600-HPS	70
BT700-HBT	70
BT700-HTG	70
BT700-HTI	70
BX100-V	431
BX100-V	450
BX230-V	430
BX230-V	450
BX60-V	431
BX60-V	450
C0001	513
C1253-2CM	347
C1253-2CM	412
C1253-2CM	414
C12556-H48	347
C1586-U48	347
C1686-U48	347
C2623	280
C2623-B	280
C2623-CY	280
C2623-PLC	280
C2651	281
C2653	281
C5914-000	77
CA060	453
CA100	453
CA320	453
CA343	453

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

CA420 — DCKPG-OSW

Cat. No.	Page
CA420	453
CA520	453
CA530	453
CH149-00	699
CH159-00	699
CH181-00	699
CPC-12	395
CPC12-STD	388
CPC-24	395
CPC24-STD	388
CPC-48	395
CPC48-STD	388
CPCSR-001	388
CPCSR-002	388
CPGRD-KIT	388
CPLOK-KIT	388
CPS12-STD	387
CPS24-STD	387
CPS48-STD	387
CR15	571
CR15S-G	571
CR20	571
CR20-C0	690
CS115-2	642
CS120-2	642
CS215-2	642
CS220-2	642
CS315-2	643
CS320-2	643
CS415-2	643
CS420-2	643
CS6360C	294
CS6361C	294
CS6364C	294
CS6365C	294
CS6369	294
CS6370	294
CS6375	294
CS6377	294
CS8164C	294
CS8165C	294
CS8169	294
CS8264C	294
CS8265C	294
CS8269	294
CS8275	294
CS8364C	294
CS8365C	294
CS8369	294
CS8375	294
CS8464C	294
CS8465C	294
CS8469	294
CS8475	294
CSB1-15	642
CSB1-20	642
CSB2-15	642
CSB2-20	642
CSB3-15	642
CSB3-20	642
CSB4-15	642
CSB4-20	642
CTTEP-20W	175
D4006-1LW	226
D4006-2LW	226
D4104-1LW	226
D4104-2LW	226
D4106-1LW	226
D4106-2LW	226
D4200-00W	226
D4206-1LW	226
D4206-2LW	226
D42CS-01W	226
D42CS-02W	226
D42CS-03W	226
D42CS-04W	226
D42CS-3AW	226
D42ET-00W	226
D42IR-04L	226
D42IR-08L	226
D42IR-16L	226
D42L0-CKW	226
D42LI-NKW	226
D42MO-00W	226
D42MO-RLW	226
D42P1-00W	226
D42P1-M0W	226
D42P1-RLW	226
D42P4-00W	226
D42P4-RLW	226
D42P8-00W	226
D42P9-16W	226
D42P9-RLW	226
D42RL-00W	226
D42SQ-00W	226
D6700-00E	335
D6701-00E	335
D6706-00E	335
D670K-1S1	335
D670K-1S2	335
D670K-2S2	335
D670K-2S4	335
D6710-1S1	335
D6710-1S2	335
D6710-2S2	335
D6710-2S4	335
D6720-03E	335
D6720-05E	335
D6720-07E	335
D6720-10E	335
D6720-15E	335
D6720-20E	335
D6721-03E	335
D6721-05E	335
D6721-07E	335
D6721-10E	335
D6721-15E	335
D6721-20E	335
D675E-00E	335
DCK2D-0C*	179
DCK3D-00	179
DCK4A-00	179
DCK4A-0C*	179
DCK4D-00	179
DCK4D-0C*	179
DCKPG-0SW	178

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
DCKS7-00	179
DCKS7-0C	179
DP03U-STD	383
DP04U-STD	383
DP06U-STD	383
DP-105/DPC-105	395
DP-525	395
DP-700/DPC-700	395
DPC12-066	383
DPC6U-033	383
DPC7U-043	383
DPC8U-STD	383
DPCMP-UNV	383
DPGRD-KIT	383
DPLOK-KIT	383
DPS3U-STD	383
DPS4U-STD	383
DPS6U-STD	383
DR15S	568
DRK0D-1L	183
DRK0R-00	185
DRK0R-00	248
DRK0S-0L	179
DRK0S-0L	183
DRK1D-00	179
DRKDD-1L	183
DRKDD-1L	248
DS100-AX	617
DS30-AX	617
DS30-FAX	617
DS60-AX	617
DS60-FAX	617
EDSR-23	620
FSHAT-F06	398
FSHBF-P12	398
FSHHS-P06	398
FSHHS-P08	398
FSHMI-F06	398
FSHMR-F06	398
FSHRB-F06	398
FSHSL-F06	398
FSSMI-025	398
FSSMI-040	398
FSSMR-025	398
FSSMR-040	398
FSSRB-P40	398
FSSRB-Q40	398
FSSSD-040	398
FSSSD-060	398
FSSSL-025	398
FSSSL-040	398
FSSSL-060	398
GCA20	156
GCA20	160
GFA15-25C	157
GFA15-2C	157
GFA15-37E	157
GFA15-3TC	157
GFA15-6C	157
GFA20-37E	157
GFA20-3C	157
GFA20-3LC	157
GROMT-020	453
GROMT-023	453
GROMT-030	453
GROMT-060	453
GROMT-100	453
HCA02-10E	189
HCCKR-E	180
HCCPG-1TW	178
HCM06-1D	182
HCM06-1S	182
HCM10-1D	182
HCM10-1S	182
HCP03-10W	183
HCPRF-1TW	180
HCS10-1S	182
HKABH	90
HKABV	90
HKASB-000	90
HKASB-CBL	90
HKDVD	89
HKRMS	89
HKVAR-xxx*	88
HUB-034	452
HUB-100	452
HUB-112	452
HUB-114	452
HUB-200	452
HXC10-1TW	178
HXC1A-1TW	178
HXC1D-1TW	178
HXC2D-1TW	178
HXC3D-1TW	178
HXP15-1TW	183
HXS08-1T	182
IP710-DL	256, 257
IPE04-1L	256, 257
IPF01-1L	256, 257
IPF01-CLZ	694
IPF05-1L	256, 257
IPI06-1L	256, 257
IPI06-CLZ	694
IPI10-1L	256, 257
IPKIT-00	256
IPKIT-0N	256
IPM06-1L	256, 257
IPM10-1L	256, 257
IPP0R-1L	147
IPP15-1L	147
IPP15-C0	695
IPQFK-00	256
IPX06-10	256, 257
IPX06-70	256, 257
IPX10-10	256, 257
IPX12-70	256, 257
KRS-A9519	163
KUS-A9519	163
L7501	769
L7502	769
L7503	769
L7504	769
L7505	769
L7506	769
L7507	769
L7508	769

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
L7509	769
L7511	769
L7521	770
L7522	770
L7524	770
L7527	770
L7528	770
L7532	770
L7533	770
L7536	770
L7538	770
L7539	770
L7541	770
L7542	770
L7543	770
L7544	770
L7545	770
L7546	770
L7551	770
L7552	770
L7553	770
L7554	770
L7555	770
L7556	770
L7559	770
L7561	770
L7562	770
L7563	770
L7565	770
L7566	770
L7567	770
L7568	770
L7569	770
L7573	770
L7574	770
L7582	770
L7583	770
L7584	770
L7587	770
L7588	770
L7592	770
L7597	770
L7601	770
L7602	770
L7604	770
L7605	770
L7612	770
L7701	772
L7702	772
L7703	772
L7703	772
L7704	772
L7705	772
L7706	772
L7707	772
L7707	772
L7708	772
L7709	772
L7711	772
L7712	772
L7713	772
L7714	772
L7715	772
L7716	772
L7717	772
L7718	772
L7719	772
L7721	772
L7722	772
L7723	772
L7724	773
L7725	773
L7726	773
L7727	773
L7728	773
L7729	773
L7730	773
L7731	773
L7732	773
L7733	773
L7734	773
L7736	773
L7737	773
L7739	773
L7742	773
L7743	773
L7744	773
L7745	773
L7746	773
L7747	773
L7748	773
L7750	773
L7751	773
L7752	773
L7754	773
L7755	773
L7760	773
L7761	772
L7763	772
L7764	772
L7765	772
L7767	772
L7768	772
L7769	772
L7770	773
L7772	772
L7778	773
L7781	773
L7782	773
L7784	773
L7785	773
L7789	773
L7791	773
L7802	772
L7803	772
L7804	772
L7805	772
L7806	772
L7807	772
L7808	772
L7810	773
L7820	773
L7822	772
L7826	772
L7827	772
L7831	772

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
L7833	772
L7834	772
L7836	772
L7902	453
L7902	774
L7903	453
L7903	774
L7904	453
L7904	774
L7905	453
L7905	774
L7906	774
L7907	774
L7908	774
L7911	774
L7912	774
L7916	774
L7917	774
L7918	774
L7919	774
L7921	774
L7922	774
L7924	774
L7931	774
L7932	774
L7939	774
L7951	774
L7953	774
L7954	774
L7962	774
L7965	774
L7967	774
L7968	774
L7969	774
L7970	774
L7971	774
L7972	774
L7981	781
L7982	781
L7983	781
L7984	781
L7985	781
L7986	781
L7987	781
L7990	774
L7997	781
L7998	781
L7999	774
L8001	774
L8002	774
L8003	774
L8004	774
L8005	774
L8006	774
L8011	773
L8500	761
L8501	761
L8502	761
L8503	761
L8504	761
L8505	761
L8510	761
L8511	761
L8512	761
L8513	761
L8514	761
L8515	761
L8516	761
L8517	761
L8518	761
L8519	761
L8523	762
L8524	762
L8525	762
L8526	762
L8527	762
L8528	762
L8529	762
L8530	762
L8531	762
L8532	762
L8540	762
L8541	763
L8542	763
L8543	763
L8544	763
L8545	763
L8546	763
L8550	763
L8551	763
L8552	763
L8553	763
L8554	763
L8555	763
L8556	763
L8557	763
L8558	763
L8559	763
L8560	764
L8563	763
L8564	763
L8565	763
L8566	763
L8567	763
L8568	763
L8569	763
L8572	764
L8573	764
L8574	764
L8575	764
L8576	764
L8577	764
L8578	764
L8581	765
L8582	765
L8583	765
L8584	765
L8585	765
L8586	765
L8587	765
L8588	765
L8589	765
L8591	765
L8592	765
L8600	765
L8601	765

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
L8602	765
L8603	765
L8604	765
L8605	765
L8606	765
L8607	765
L8608	765
L8609	765
L8611	765
L8612	765
L8613	765
L8614	765
L8621	766
L8622	766
L8623	766
L8624	766
L8625	766
L8626	766
L8627	766
L8628	766
L8629	766
L8631	766
L8632	766
L8641	766
L8642	766
L8643	766
L8644	766
L8645	766
L8646	766
L8647	766
L8648	766
L8649	766
L8651	766
L8652	766
L8660	767
L8661	767
L8662	767
L8663	767
L8664	767
L8665	767
L8671	768
L8672	768

Cat. No.	Page
L8673	768
L8674	768
L8675	768
L8676	768
L8677	768
L8678	768
L8679	768
L8681	768
L8682	768
L8683	768
L8684	768
L8685	768
L8686	768
L8687	768
L8688	768
L8691	768
L8692	768
L8693	768
L8694	768
L8695	768
L8696	768
L8697	768
L8698	768
L8699	768
L8701	768
L8702	768
L8703	768
L8704	768
L8705	769
L8706	769
L8707	769
L8711	769
L8712	769
L8713	769
L8714	769
L8715	769
L8716	769
L8717	769
L8718	769
L8719	769
L8721	769
L8722	769

Cat. No.	Page
L8801	762
L8802	762
L8803	762
L8804	762
L8805	762
L8806	762
L8807	782
L8808	782
L8809	782
L8811	782
L8812	782
L8813	782
L8814	782
L8815	782
L8816	782
L8817	782
L8818	782
L8819	782
L8821	782
L8822	782
L8823	782
L8824	782
L8825	782
L8826	782
L8827	782
L8828	782
L8829	782
L9501	776
L9502	776
L9503	776
L9504	776
L9505	776
L9506	776
L9507	776
L9508	776
L9509	776
L9511	776
L9512	776
L9515	776
L9516	776
L9517	776
L9518	776

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
L9519	776
L9521	776
L9523	776
L9524	776
L9525	776
L9526	776
L9527	776
L9531	776
L9532	776
L9533	776
L9534	776
L9535	776
L9536	776
L9537	776
L9538	776
L9539	776
L9541	776
L9542	776
L9551	777
L9552	777
L9553	777
L9554	777
L9555	777
L9556	777
L9557	777
L9558	777
L9559	777
L9561	777
L9562	777
L9571	778
L9572	778
L9573	778
L9574	778
L9575	778
L9576	778
L9577	778
L9578	778
L9579	778
L9581	778
L9582	778
L9585	778
L9586	778
L9587	778
L9588	778
L9589	778
L9591	778
L9592	778
L9593	778
L9594	778
L9595	778
L9596	778
L9601	778
L9602	778
L9603	778
L9604	778
L9605	778
L9606	778
L9607	778
L9608	778
L9609	778
L9611	778
L9612	778
L9621	779
L9622	779
L9623	779
L9624	779
L9625	779
L9627	779
L9628	779
L9629	779
L9631	780
L9632	780
L9633	780
L9634	780
L9635	780
L9636	780
L9637	780
L9638	780
L9639	780
L9641	780
L9642	780
L9651	780
L9652	780
L9653	780
L9654	780
L9655	780
L9656	780
L9657	780
L9658	780
L9659	780
L9661	780
L9662	780
L9671	780
L9672	780
L9673	780
L9674	780
L9675	780
L9676	780
L9677	780
L9678	780
L9679	780
L9681	780
L9682	780
L9688	781
L9689	781
L9691	781
L9692	781
L9693	781
L9694	781
L9695	781
L9696	781
L9697	781
L9698	781
L9699	781
L9701	777
L9702	777
L9703	777
L9704	777
L9711	777
L9712	777
L9713	777
L9714	777
L9715	777
L9716	777
L9717	777
L9718	777

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
L9719	777
L9722	779
L9723	779
L9724	779
L9725	779
L9731	779
L9732	779
L9733	779
L9734	779
L9735	779
L9736	779
L9737	779
L9738	779
L9739	779
LEDPL	104
LEDVL	104
LTB02-IL	144
LTB12-IL	144
LTB15-1L	144
LTB30-1L	144
LTB60-1L	144
LTBKT	144
LTT30-1L	144
LTT60-1L	144
LV200-00W	140
LV240-00W	140
lvs-01w	135
lvs-02w	135
lvs-03w	135
lvs-04w	135
lvs-05w	135
lvs-06w	135
lvs-08w	135
lvs-10w	135
M1626	671
M1626-HG	660
M1626-IG	671
M1626-PL	660
M1636	671
M1636-HG	660
M1636-IG	671
M1636-PL	660

Cat. No.	Page
M213-1E2	465
M3001-1UB	407
M3006-1UB	407
M3024-1UB	407
M5262	668
M5262-IG	668
M5262-S	676
M5262-SG	668
M5362	668
M5362-IG	668
M5362-S	676
M5362-SG	668
M5979	748
M5999	748
M7599	674
M7599-HG	666
M7899	674
M7899-HG	666
M8200	663
M8200-IG	663
M8200-PL	663
M8200-SG	663
M8300	663
M8300-IG	663
M8300-PL	663
M8300-SG	663
MAABL	683
MABBL	683
MBAB0	683
MBAB0	683
MD820-IG	660
MD830-IG	660
MDE03-1L	247, 248
MDF01-1L	247, 248
MDI06-1L	247, 248
MDI10-1L	247, 248
MDM06-1L	247, 248
MDM10-1L	247, 248
MDT82-IG	660
MDT83-IG	660
MH101-1B1	465
MH101-1D1	465

Cat. No.	Page
MH122-1C2	465
MHABL	683
MHBBL	683
MIDSR-23	620
ML1-AC	297
ML1-AP	297
ML1-C	297
ML1-P	297
ML1-PB	297
ML1-PER	297
ML2-AC	297
ML2-AP	297
ML2-C	297
ML2-P	297
ML2-PB	297
ML2-PER	297
ML3-AC	297
ML3-AP	297
ML3-C	297
ML3-P	297
ML3-PB	297
ML3-PER	297
MNFP1-200	408
MNFP2-150	408
Mount-KT2	453
MP820-IG	663
MP830-IG	663
MPD82-IG	660
MPD83-IG	660
MRI15	663
MRI20	663
MS00R-10	247
MS2-P	547
MS302-DS	624
MS302-DSS	624
MS303-DS	624
MS303-DSS	624
MS402-DS	624
MS403-DS	624
MS4X-302	624
MS4X-303	624
MS4X-402	624

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
MS4X-403	624
MS602-BW	624
MS602-FW	624
MS603-BW	624
MS603-FW	624
MS-AP	547
MSE0R-10	247
MSTWL-A	658
MSTWL-IG	658
MSTWL-SDA	658
MSTWL-SIG	658
MSTWL-WIG	658
MSTWL-WSD	658
MSTWL-WST	658
MT162	671
MT162-HG	660
MT162-IG	671
MT163	671
MT163-HG	660
MT163-IG	671
MT562	676
MT562-IG	668
MT562-S	676
MT563	676
MT563-IG	668
MT563-S	676
MT759	674
MT759-HG	666
MT789	674
MT789-HG	666
MT820-IG	663
MT830-IG	663
MV121-1B1	465
MV121-1D1	465
MV122-1C2	465
MV241-1B1	465
MV241-1D1	465
MV242-1C2	465
MVABN	683
MVBBN	683
MZB00-102	140
MZB00-C02	140
MZB02-102	140
MZB02-C02	140
MZD20-102	140
MZD20-C02	140
MZD22-102	140
MZD22-C02	140
MZD30-101	140
MZD30-C01	140
MZN20-102	140
MZN20-C02	140
MZN22-102	140
MZN22-C02	140
MZN30-101	140
MZN30-C01	140
N1302-DS	624
N1303-DS	624
N1303-TDS	624
N138	734
N13NC	718
N13NC	744
N13NC-DS	624
N13NC-TDS	624
N3302-DS	624
N3303-DS	624
N33NC-DS	624
N3500-STD	389
N3602	624
N3603	624
N36NC	624
N502H-STD	389
N5300-STD	389
N751	737
OCS12-STD	385
OCS18-STD	385
ODC0P-0SW	143
ODC0S-I1W	121
ODC0S-I2W	121
ODC0S-I7W	121
ODCCG	121, 122, 124, 125, 126, 127
ODS0D-ID	115
ODS0D-TD	116
ODS10-ID	114
ODS15-ID	114
OPB15-0DW	130
OSA20-R00	129
OSC04-I0W	125
OSC04-ISW	143
OSC05-M0W	122
OSC05-U0W	124
OSC10-M0W	122
OSC10-U0W	124
OSC15-I0W	125
OSC20-M0W	122
OSC20-MSW	143
OSC20-U0W	124
OSF10-I0W	119
OSFHU-C4W	119
OSFHU-CTW	118
OSFHU-I4W	119
OSFHU-ITW	118
OSFLO-00W	119
OSFOA-00W	119
OSP15-R30	129
OSP20-0D0	129
OSP20-RD0	129
OSP20-RDH	129
OSS10-ID	114
OSSMD-FT	116
OSSMD-GD	116
OSSMD-MD	116
OSSMT-GD	116
OSSMT-MD	116
OSSNL-ID	114
OSW12-M0W	126
OSWHB-I0W	127
OSWLR-I0W	127
OSWWV-I0W	127
OUTLT-AMB	103
P1020-12S	466
P1021-12S	466
P1022-12L	466
P1023-12L	466
P1024-12L	466
P1025-12L	466

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
P1040-10S	466
P1041-10S	466
P1042-10L	466
P1043-10S	466
P1044-10L	466
P1045-10L	466
P1046-10L	466
P1047-10L	466
P1070-105V	466
P1071-105V	466
P1072-10L	466
P1073-10S	466
P1074-10L	466
P126C-C0	698
P1426	733
P22	724
P2262	732
P226C-C0	698
P326	732
P38	731
P48	731
P826C-C0	698
PB101-000	163
PB101-SGF	163
PB103-000	163
PB103-SGF	163
PC100	452
PC320	452
PC3430	452
PC420	452
PC520	452
PC530	452
PC60	452
PCC55-KIT	79
PCC55-KIT	82
PCI65-KIT	82
PCI80-KIT	82
PCORD-A10	464, 465
PCORD-G10	464, 465
PCORD-H10	464, 465
PCORD-H15	465
PDURK-BKT	464, 465
PE100-10	228
PE100-10W	229
PE200-10	228
PE200-10W	229
PE200-70	228
PE200-70W	229
PE300	229
PE300-D0	228
PE400-10	228
PE400-10W	229
PEAU7-M1W	227
PJ1	718
PJ11	723
PJ126	735
PJ13	726
PJ13C-C0	698
PJ18	735
PJ18C-C0	698
PJ1C-C0	697
PJ2	718
PJ21	735
PJ21C-C0	698
PJ226	735
PJ23	726
PJ23C-C0	698
PJ26	713
PJ262	713
PJ263	713
PJ264	713
PJ2C-C0	697
PJ3	718
PJ33	726
PJ3C-C0	697
PJ4	718
PJ4C-C0	697
PJ7	722
PJ8	721
PJ82	721
PJ826	736
PJ82C-C0	697
PJ82-RE	739
PJ8C-C0	697
PJ8-IG	739
PJ8-RE	739
PLG1	452
PR150-1L	147
PR180-1L	147
PS110-10	131
PS110-1F	131
PS110-40	132
PS110-4F	132
PS110-70	132
PS110-7F	132
PS200-10	131
PS200-1F	131
PS200-40	132
PS200-4F	132
PS200-70	132
PS200-7F	132
PSC1	737
PSC1	737
PSC14	737
PSC26	737
PSC7	737
PSC8	737
PSC8	737
PSE1	737
PSE1	737
PSE14	737
PSE26	737
PSE7	737
PSE8	737
R08BD-000	134
R08BD-208	134
R08BD-L04	134
R08BD-L05	134
R08BF-000	134
R08BF-208	134
R08BF-L04	134
R08BF-L08	134
R1600-000	138
R1616-1CB	138
R1616-1CS	138
R1616-1DS	138

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
R1616-1TB	138
R1616-1TS	138
R1616-2CB	138
R1616-2CS	138
R1616-2TB	138
R1616-2TS	138
R16TC-100	138
R16TC-300	138
R24BD-000	134
R24BD-216	134
R24BD-224	134
R24BD-L16	134
R24BD-L24	134
R24BF-000	134
R32TC-100	138
R32TC-300	138
R48TC-100	138
R48TC-300	138
RA060	453
RA100	453
RA320	453
RA343	453
RA420	453
RA520	453
RA530	453
RDP-175	386
RDP1U-S03	380
RDP2U-F06	380
RDP2U-S06	380
RDP-35X/RDP353	386
RDP4U-F12	380
RDP-700	386
RDU1-000	138
RDU2-000	138
RELAY-030	134
RELAY-1CB	138
RELAY-1CS	138
RELAY-1DS	138
RELAY-1NC	134
RELAY-1TB	138
RELAY-1TS	138
RELAY-2CB	138
RELAY-2CS	138
RELAY-2NC	134
RELAY-2PL	134
RELAY-2TB	138
RELAY-2TS	138
RELAY-347	134
RELAY-L30	134
RELAY-LAT	134
RFIRM-100	138
RLV08-110	138
RLV08-130	138
RLV16-110	138
RLV16-130	138
RPI06-10	258
RPI06-1L	258
RPM00-100	138
RPM00-200	138
RPM08-108	138
RPM16-116	138
RS110-10	148
RS110-1F	148
RS115	651
RTD01-10	258
RTF01-10	258
S1000-0PS	609
S1000-NS	609
S1000-PTC	609
S1000-S15	609
S112-N	734
S126	732
S1426-N	733
S2000-0PS	609
S2000-PTC	609
S2000-S15	609
S214-N	733
S262	713
S262C-C0	697
S263C-C0	697
S264C-C0	697
S426-N	732
S48-N	731
S54-N	727
S601	717
S602	717
S603	717
S604	717
S701	729
S73-N	722
S746	729
S751	737
SAA12	453
SAB12	453
SAB34	453
SAC100	453
SAC125	453
SAC34	453
SAD125	453
SBP00-00M	143
SCG65-GRL	82
SD1F8-17M	143
SD1F8-25M	143
SD1F8-32M	143
SD1J8-17M	143
SD1J8-25M	143
SD1J8-32M	143
SD2F8-17M	143
SD2F8-25M	143
SD2F8-32M	143
SD2J8-17M	143
SD2J8-25M	143
SD2J8-32M	143
SDS00-15W	143
SEN04-000	143
SGAMP-000	94
SGC65-000	81, 82
SGI65-000	81, 82
SGI65-GRL	82
SGI80-000	81, 82
SGI80-GRL	82
SGO90-000	81, 82
SGVCK-00E	93
SGVCK-0IA	93
SGVCK-0LA	93
SGVSM-00W	93

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
SGVST-00W	93
SH081-1B1	464
SH081-1D1	464
SH082-1C2	464
SHH00-000	143
SJ263	713
SJ26C-C0	697
SLF00-000	143
SLFPD-000	143
SLM00-000	143
SO26	714
SO262	714
SO263	714
SP316B	448
SP316B	449
SP316B4	445
SP316B6	445
SP316C	447
SP316C4	445
SP316C6	445
SP316P	447
SP316P4	445
SP316P6	445
SP316R	448
SP316R4	445
SP316R6	445
SP332B	448
SP332B	449
SP332B4	445
SP332B6	445
SP332C	447
SP332C4	445
SP332C6	445
SP332P	447
SP332P4	445
SP332P6	445
SP332R	448
SP332R4	445
SP332R6	445
SP363B	448
SP363B	449
SP363B6	445
SP363C	447
SP363C6	445
SP363P	447
SP363P6	445
SP363R	448
SP363R6	445
SP416B	448
SP416B	449
SP416B6	445
SP416C	447
SP416C6	445
SP416P	447
SP416P6	445
SP416R	448
SP416R6	445
SP432B	448
SP432B	449
SP432B6	445
SP432C	447
SP432C6	445
SP432P	447
SP432P6	445
SP432R	448
SP432R6	445
SP463B	448
SP463B	449
SP463B6	445
SP463C	447
SP463C6	445
SP463P	447
SP463P6	445
SP463R	448
SP463R6	445
SP516B	448
SP516B	449
SP516B6	445
SP516C	447
SP516C6	445
SP516P	447
SP516P6	445
SP516R	448
SP516R6	445
SP532B	448
SP532B	449
SP532B6	445
SP532C	447
SP532C6	445
SP532P	447
SP532P6	445
SP532R	448
SP532R6	445
SP563B	448
SP563B	449
SP563B6	445
SP563C	447
SP563C6	445
SP563P	447
SP563P6	445
SP563R	448
SP563R6	445
SPLMT-HKT	397
SSJ1-040	718
SSJ11-40	723
SSJ13-40	726
SSJ2-040	718
SSJ26	713
SSJ3-040	718
SSJ7-40	722
SSJ82-40	721
SSJ83-40	721
SSJ8-40	721
SV161-1B1	464
SV161-1C2	464
SV161-1D1	464
T47BF-P06	396
T47HS-P06	396
T4LBF-P06	396
T4LBF-P12	396
T4LHS-F06	396
T4LHS-F12	396
T4LHS-P06	396
T4LHS-P12	396
T5015	572
T5015-C0	690

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Cat. No.	Page
T5020	572
T5020-C0	690
T5225	34
T5280	607
T5320	581
T5320-C0	690
T5320-S	581
T5325	579
T5325-C0	690
T5325-S	579
T5380	607
T5625	31
T5820	581
T5825	579
T5979	747
T5LBF-P06	396
T5LBF-P12	396
T5LHS-B12	396
T5LHS-F06	396
T5LHS-F12	396
T5LHS-P06	396
T5MBF-P06	396
T5MHS-F06	396
T5MHS-P06	396
T5PLS-12F	396
T5PLS-24F	396
T6525	38
T6XRB-40Q	396
T7280	607
T7299	32
T7380	607
T7591	33
T7599	153
T7599-C0	692
T7599-HG	151
T7899	153
T7899-C0	692
T7899-HG	151
T8280	587
T8380	587
TBI03	266
TBR15	569

Cat. No.	Page
TBR20	569
TBR20-C0	691
TCORD-010	464
TDR15	567
TDR20	567
TDR20-C0	691
TGI06-1L	253
TGI06-CL	694
TGI10-1L	253
TGM10-1L	253
TT00R-1	249
TTI06-1L	249
TTI10-1L	249
TTKIT	249
TTKTR	249
TTM10-1L	249
TWR15	571
TWR20	571
UPDCL-S01	404
UPDCL-S02	404
UPDCL-S03	404
UPDCL-S05	404
UPDCL-S10	404
UPDCT-S01	404
UPDCT-S02	404
UPDCT-S03	404
UPDCT-S05	404
UPDCT-S10	404
UPDLC-S01	404
UPDLC-S02	404
UPDLC-S03	404
UPDLC-S05	404
UPDLC-S10	404
UPDSC-S01	404
UPDSC-S02	404
UPDSC-S03	404
UPDSC-S05	404
UPDSC-S10	404
UPDST-S01	404
UPDST-S02	404
UPDST-S03	404
UPDST-S05	404

Cat. No.	Page
UPDST-S10	404
UPPLC-KIT	401
UPPLC-S03	401
UPPSC-KIT	401
UPPSC-S03	401
UPPST-S03	401
UPSCL-S01	404
UPSCL-S02	404
UPSCL-S03	404
UPSCL-S05	404
UPSCL-S10	404
UPSCT-S01	404
UPSCT-S02	404
UPSCT-S03	404
UPSCT-S05	404
UPSCT-S10	404
UPSLC-S01	404
UPSLC-S02	404
UPSLC-S03	404
UPSLC-S05	404
UPSLC-S10	404
UPSSC-S01	404
UPSSC-S02	404
UPSSC-S03	404
UPSSC-S05	404
UPSSC-S10	404
UPSST-S01	404
UPSST-S02	404
UPSST-S03	404
UPSST-S05	404
UPSST-S10	404
UTILY	104
VCCFK-0LG	386
VCCFK-0SM	386
VCS12-STD	385
VP00R-10	243
VP00R-1L	243
VP00R-7L	243
VP0SR-10	243
VP0SR-1L	243
VPE04	245
VPE04-1	242

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

VPE06 — zmdsw-10w

Cat. No.	Page
VPE06	245
VPE06-1L	242
VPF01	245
VPF01-1L	243
VPH06	245
VPH06-7L	243
VPH08	245
VPH08-1L	243
VPI06	245
VPI06-1L	242
VPKIT-CD	244
VPKIT-CS	244
VPKIT-MD	168
VPKIT-MD	171
VPKIT-MD	244
VPKIT-MS	169
VPKIT-MS	171
VPKIT-MS	244
VPKIT-S4	171
VPKIT-Z4	171
VPM06	245
VPM06-1L	242
VPM10	245
VPM10-1L	242
VPS15-1L	243
VPSLB-S4	171
VPT24-1P	145
VPTKT	145
VPX10	245
VPX10-1L	242
VPX12	245
VPX12-7L	242
VPZLB-Z4	171
VRC0P-1L	174
VRCPG-0SG	175
VRCPG-BSG	175
VRCS1-1L	171
VRCS2-MR	171
VRCS4-1L	171
VRCS4-MR	171
VRCZ1-1L	171
VRCZ4-1L	171
VRCZ4-MR	171
VRE06-1L	168
VRF01-1L	168
VRI06-1L	168
VRI10-1L	168
VRKIT-DS	171
VRM10-1L	168
VRMR1-0SG	175
VRP03-1L	174
VRP15-1L	174
VRR15-1L	174
VRS05-1L	169
VRS15-1L	169
VSCGB-KIT	386
VSHUB-000	67
VSHUB-IDC	67
VSIND-0SC	66
VSOUT-00W	66
W1000-F01	408
W1000-F02	408
W1000-F03	408
W1000-F04	408
W1000-WC0	408
W1000-WC5	408
W1000-WCE	408
W1000-WW0	408
W5320-T	581
W5320-TC	690
W7599	154
W7599-TC	692
W7599-TR	154
W7899	154
W7899-TC	692
W7899-TR	154
WBR15	569
WBR20	569
WP1	744
WP1	305, 310
WP2	744
WP2	279, 285, 291
WP3	744
WP459	305, 310
WS0RC-200	109
WS0RC-300	109
WS0RC-400	109
WS0RC-500	109
WS0RF-300	109
WS0TH-S0W	108
WS402	625
WSC04-I0W	108
WSC15-I0W	108
WSG0S-DIT	109
WSG0S-SIT	109
WSMET-010	109
WSP05-010	108
WSP05-020	108
WSP05-080	108
WSP12-010	108
WSP12-020	108
WSP12-080	108
WSP12-R10	108
WSPAS-LV4	109
WSPAS-LV8	109
WSS0S-D0	108
WSS0S-D2	108
WSS0S-E0	108
WSS0S-E2	108
WSS0S-H0W	108
WSS0S-P0	108
WSS0S-R0W	108
WSS10-0D	108
WSS10-GD	108
WSSLT-010	109
WSSLT-GP0	109
WSSLT-R10	109
Z1000-AC2	405
Z1000-AC4	405
Z1000-PC2	405
Z1000-PF2	405
zmdsw-01w	135
zmdsw-02w	135
zmdsw-03w	135
zmdsw-04w	135
zmdsw-05w	135
zmdsw-06w	135
zmdsw-08w	135
zmdsw-10w	135

Dash numbers, indicating different product colors or other variations, are listed on the same page as the basic catalog numbers shown here, unless otherwise indicated.

Leviton Manufacturing Co., Inc.
201 North Service Road, Melville, NY 11747-3138
Telephone: 1-800-323-8920
Fax: 1-800-832-9538
Tech Line: (8:30AM-7:00PM E.T. Monday-Friday): 1-800-824-3005

Leviton Manufacturing of Canada, Ltd.
165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9
Telephone: 1-800-469-7890
Fax: 1-800-563-1853

Leviton S. de R.L. de C.V.
Lago Tana 43, Mexico DF, Mexico CP 11290
Tel. (+52) 55-5082-1040
Fax. (+52) 55-5386-1797
www.leviton.com.mx

Visit our website at **www.leviton.com**

© 2010 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice. C-754/C10