ELK

PRODUCTS

Product Catalog

Solutions for Serious Security and Automation Professionals

ELK PRODUCTS

INNOVATIVE SECURITY

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Connect with us online!

M1 Security & Automation Controls Pg.6

FLEXIBLE AND INTEGRATION FRIENDLY

Elk's M1 Controls incorporate security, fire, door entry control, plus energy & task management to provide total control of home or business. By working with products from over 50 partner manufacturers, M1 controls offer a truly integrated solution. These IP accessible systems provide simple, yet powerful on-site and remote user interfaces, giving the consumer full control anytime, from anywhere.

NEW!

C1M1 Dual-Path Communicator

Fast, full reporting to Central Monitoring Stations over IP and cellular, plus remote access without port forwarding or additional fees.

Pg.12

SECURE. RELIABLE. INNOVATIVE.

ELK's Two-Way Wireless products use cutting-edge techniques to defend against interference, hacking and jamming while incorporating advanced features to ensure reliability, extend battery life, simplify installation, and enhance security.

Two-Way Wireless Technology Pg.20

AND AUTOMATION SOLUTIONS

BEAUTIFULLY SIMPLE.

ELK's stainless steel enclosed sirens and speakers naturally reflect the mounting surface, blending easily into the surroundings. With the rugged, compact design and corrosion resistant stainless steel construction, these sirens and speakers are perfect for any installation including harsh environments.

Stainless Steel Enclosed Sirens & Speakers Pg.35

WE'VE GOT THE POWER!

ELK's power supply and battery charger kits feature a master power switch and low battery supervision with deep discharge cutoff protection. These power supply kits provide reliable power for alarm sounders, access control, cameras, water shutoff valves and more!

Power Supply Kits Pg.40

ELK EVERYDAY ESSENTIALS

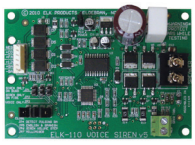
Structured Wiring

Pg.30

Multi-Purpose Speakers/Sirens

Pg.37

Siren, Voice and Recordable Drivers



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Lifetime Warranty AC Transformers

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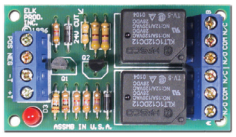

Pg.45

Surge Suppresors

Pg.47

UL Listed B Connectors

Pg.49

Our Mission

To provide cost-effective and innovative security and automation solutions to the professional trade with unsurpassed product quality and technical support.

What We Do

ELK is a leading designer and manufacturer of customized home and business security, energy management and convenience solutions. For over 20 years, we have created a trusted brand with simple, yet innovative products that have now become industry standards. Our customer service is world class and we stand behind the products we sell with industry leading technical support and warranty.

We are focused on creating products that secure and simplify life. In the rapidly changing security and automation market, ELK offers an integrated approach that delivers full featured and personalized solutions for security, lighting, environmental control, energy conservation, access control, and management of just about any electrical feature in the home or business.

Let the ELK team help create a personalized solution to meet your customer's lifestyle, budget, and tastes with reliable, simple to use, state of the art products.

Want to learn more or need assistance?

WEBINAR TRAINING SERIES

- **M1 Basic Training**
  - Provides an introduction to system layout and programming for those who are new to the M1 Control Family
- **M1 - Advanced Topics**
  - Dive deeper into system setup for specific applications and integration with our various partner manufacturers

View Our Monthly Webinar Schedule: www.elkproducts.com/webinars

TRAINING VIDEOS ON YOUTUBE

Find how-to videos, product demos, recorded webinars and more on our YouTube channel.

Subscribe today to stay up-to-date on all things ELK!
www.youtube.com/elkproductsvideo

OFFSITE TRAINING COURSES

Attend a training course in your area. Course topics vary from system basics to integration with partners.

View our offsite course descriptions and schedule:
www.elkproducts.com/training

ONLINE SUPPORT TOOLS

Find product manuals, hookup diagrams, application notes and other support tools on our website:
www.elkproducts.com/support

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Powerful, Flexible and Intelligent Solutions for Residential and Commercial Applications

Security and Life Safety

At the core of every M1 Control is a rock solid security and life safety platform, incorporating comprehensive detection and reporting capabilities for intrusion, fire, carbon monoxide, medical emergencies, water leaks, high/low temperatures, etc. Easy system expansion supports a large zone capacity - hardwired or wireless. M1's two-way wireless sensors, with multi-level security to prevent hacking, easily expand existing installations and simplify new ones. Event notifications via voice/keypad alerts, phone calls, email and text messages keep owners informed, whether on-site or away.

M1 offers many features beyond basic security. The system can be automatically armed based on schedule or occupancy. M1 can also provide notification if it is not armed or disarmed at expected times, keeping businesses secure and running smoothly. Water can be automatically shut off if a leak is detected. Owners, management, maintenance staff, etc. can be alerted to undesirable temperatures in commercial coolers/freezers, server rooms, wine cellars, animal habitats and more.

Automation and Integration

Experience lifestyle enhancing comfort and convenience with intelligent control solutions for lights, thermostats, integrated door locks, garage doors, gates, sprinklers, and water valves. These and many other electrical devices can be scheduled and controlled based on time of day, occupancy, system status, sunrise/sunset and other environmental conditions.

M1 Security and Automation Controls provide the ideal combination of security, energy management, and integrated control solutions for comfort, convenience and simplicity. While great for residential installations, M1 controls also offer the strength and flexibility needed in businesses, restaurants, fitness centers, schools, municipal buildings and more!

Access Control

M1 Controls provide access control for multiple entry points with partitioning and scheduling capabilities. Enhanced access control capabilities, through cloud based services, increase user and entry point capacity. Other benefits are powerful user management tools, expanded scheduling and event logging options.

Energy Management

Reducing energy cost, without sacrificing comfort, is another advantage of M1's smart features and exemplifies M1's integration capabilities. Using lighting scenes, dimming or automatically turning lights off in unoccupied spaces can greatly reduce energy consumption and extend bulb life. Automating thermostats, with slight temperature adjustments for time of day or occupancy, has a big impact on energy costs. Automated window coverings make the most of natural light and help heating/cooling systems work more efficiently. Automating water heaters, electric or gas, can provide substantial energy savings.

Control at Your Fingertips

With timely access to information and simple, user-friendly interfaces, M1 keeps you informed and in control. Functionality and style are in perfect balance with keypad options ranging from touch screens to discrete arming stations. A variety of remote control options, with or without monthly fees, makes it easy to access M1 from smart phones, tablets, PCs, web browsers and more.

M1 GOLD FEATURES:

- UL Listed - Residential Burglary/Fire, Home Health Care, Commercial Burglary
- Powerful "Whenever/And/Then" programming for automation, safety, and notification
- IP accessibility for remote programming, remote control, email notification, integration, etc.
- Central station reporting via digital dialer, IP or cellular communicators
- 2.5 Amp Heavy duty power supply with master power switch and low battery cutoff

CONTROL

Keypad Options

ELK-M1KPNAV
Navigator
Touch Screen Keypad

ELK-M1KP
LCD Keypad

ELK-M1KPB
LCD Keypad

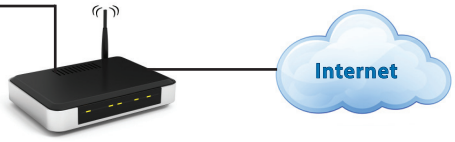
ELK-M1KP2
LCD Keypad

ELK-M1KP3
LCD Keypad

ELK-M1KPAS
Arming Station

Remote Control

ELK-M1XEP
Ethernet Interface



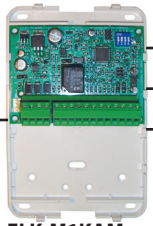
Control the M1 from:
- **Smart Phones**
- **Tablets**
- **Web Browsers**
- **PCs**

Access Control

ELK-M1PRC (Prox Card)
ELK-M1PRF (Prox Fob)

ELK-106055
Prox Reader

26-bit Wiegand Proximity
Reader or Access Keypad



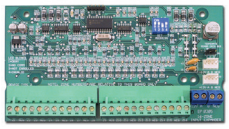
Door Contact Input
RTE Input
Relay Output to
Door Strike or Mag Lock

ELK-M1KAM
Single Door Access Module

Door/Gate Control for:
- **Up To 16 Entry Points**
- **Up To 199 Users**

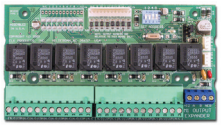
EXPAND

Hardwired Input Expansion



ELK-M1XIN
16 Zone Hardwired Input Expander

Output Expansion



ELK-M1XOVR
Output Expander

Control a variety of devices including:

Wireless Expansion Options

Two-Way Wireless

ELK-M1XRFTW
Transceiver for ELK Two-Way Sensors

ELK-6010
Keyfob

ELK-6011
Panic Button

ELK-6020(BR)
Slimline Door & Window Sensor

ELK-6021(BR)
Mini Window Sensor

ELK-6022
Universal 3- Zone Sensor

ELK-6023(BR)
Recessed Door Contact

ELK-6030(P)
PIR Motion Sensor

ELK-6032
Outdoor Motion Sensor

ELK-6040
Glassbreak Sensor

ELK-6050
Sound All™ Smoke Detector

Other Wireless Options

ELK-M1XRFEG
Wireless Receiver for GE/ITI Format One-Way Transmitters

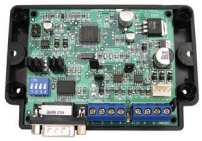
ELK-M1XRF2H
Wireless Receiver for Honeywell 5800 Series One-Way Transmitters

See wireless receiver specifications for information on compatible sensors.

AUTOMATE

Lighting Control Options

ELK-M1PCSPIM
UPB Interface
For Pulseworx and Simply Automated



ELK-M1XSP
Lighting Interface
For CentraLite and ALC Lighting Systems

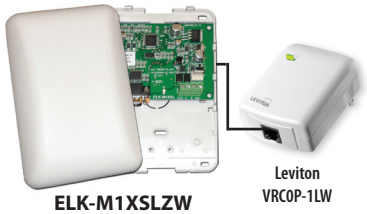
ELK-M1XEP
Ethernet Interface
For IP based lighting systems from Insteon/ Universal Devices

Hardwired Thermostat Control

ELK-M1XSP
Thermostat Interface

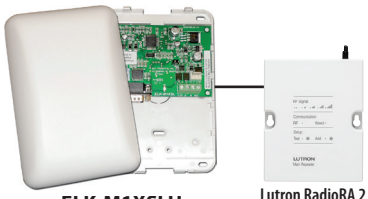
Allows M1 to control hardwired thermostats from Aprilaire, RCS, Leviton and Carrier

Multi-Device Control Options



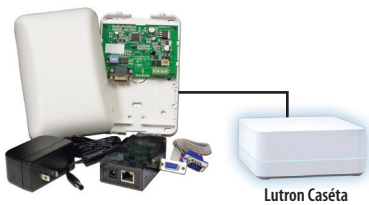
ELK-M1XSLZW
Leviton Z-Wave Interface

Allows M1 to control Leviton and other Z-Wave devices including lights, thermostats, and locks



ELK-M1XSLU
Lutron RadioRA 2 Interface

Allows M1 to control Lutron RadioRA 2 Devices including lights, thermostats, and shades



ELK-M1XSLC
Lutron Caséta Interface Kit

Allows M1 to control Lutron Caséta Devices including lights and shades

M1 GOLD System Packages

All M1 Gold system packages include the following items:

- M1 Gold Control Board, UL Listed, RoHS Compliant
- ELK-1280 8Ah Battery
- ELK-TRG1640 AC Transformer
- ELK-73 Echo Paintable Interior Speaker
- ELK-952 Surge Protector
- ELK-RJSET Telco Jack & Cord
- ELK-M1BLOCKS Plug-in Terminal Blocks

ELK-M1GSYS4STW

7 62158 16026 4

M1 Gold Control Two-Way Wireless Saver Kit

Additional items included with this package:

- **FREE!** ELK-M1XRFTW Two-Way Wireless Transceiver
- ELK-6010 Two-Way Wireless 4 button Keyfob
- ELK-M1KP2 LCD Keypad
- ELK-SWB14 Enclosure

ELK-M1GSYS4S

7 62158 56057 6

M1 Gold Control Kit with Keypad and Enclosure

Additional items included with this package:

- **ELK-M1KP2 LCD Keypad**
- ELK-SWB14 Enclosure

ELK-M1GSYS4

7 62158 56012 5

M1 Gold Control Kit with Keypad and Enclosure

Additional items included with this package:

- **ELK-M1KP LCD Keypad**
- ELK-SWB14 Enclosure

ELK-M1GSYS3

7 62158 56011 8

M1 Gold Control Kit with Enclosure (No Keypad)

Additional items included with this package:

- ELK-SWB14 Enclosure

Keypads may be ordered separately. See Pages 7-9 for more information.

ELK-M1GK

7 62158 55039 3

M1 Gold Control Kit with Keypad (No Enclosure)

Additional items included with this package:

- **ELK-M1KP LCD Keypad**

28" structured wiring box may be ordered separately. Part # ELK-SWB28

ELK-M1GKS

7 62158 55056 0

M1 Gold Control Kit with Keypad (No Enclosure)

Additional items included with this package:

- **ELK-M1KP2 LCD Keypad**

28" structured wiring box may be ordered separately. Part # ELK-SWB28

M1 GOLD Other System Configurations

ELK-M1GOLD
M1 Gold Control Board in SWB14 Metal Enclosure

7 62158 56000 2

Includes:
- M1 Gold Control Board
- ELK-SWB14 Enclosure
- ELK-M1BLOCKS Plug-in Terminal Blocks
- ELK-952 In-Line Telephone Surge Protector
- RoHS Compliant

ELK-M1GCB
M1 Gold Control board only (in clam shell case)

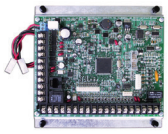
7 62158 56001 9

- For use in structured wiring enclosures, trim-outs on pre-wired jobs, or as a spare or replacement board
- Includes ELK-952 In-Line Telephone Surge Protector
- Plug-in terminal blocks are not included, **order separately as ELK-M1BLOCKS**
- Size: 8.375"W x 10" H x 2" D
- RoHS Compliant

M1EZ8 offers an economical solution for installations not requiring the voice and telephone remote control capability of the M1 Gold. Built on the same software architecture as M1 Gold, the possibilities for expansion, networking with other systems, and option for programming and control over the Internet make M1EZ8 an exceptional value. The chart below outlines the key differences between the M1 Gold and M1EZ8.

Key Differences Between M1 Gold and M1EZ8

M1Gold	M1EZ8
Voice Capability • Voice Announcements • Built-in Telephone Remote Control • Integrated Voice Dialer	No Voice Capability
16 On-board Input Zones, expandable to 208	8 On-board Input Zones, expandable to 200
13 On-board Outputs, expandable to 205 • 1 voice driver/siren • 1 siren driver/voltage • 1 form "C" relay • 10 low current voltage (50 mA)	12 On-board Outputs, expandable to 204 • 1 siren driver/voltage • 1 form C relay • 10 low current voltage (10 mA)
On-Board Serial Port	Serial Port available as ELK-M1EZ8MSI Main Serial Port Interface (optional)
Plug-In Terminals	Non-removable screw terminals
4 Power Terminals - 3 Auxiliary, 1 Switched Smoke	2 Power Terminals, 1 Auxiliary, 1 Switched Smoke
Master Power Switch and Low Battery Disconnect	Master Power Switch and Low Battery Disconnect switch available as ELK-965 (optional)
Zone Voltage Display and Volt/Current Meter	Zone Voltage Display and Voltmeter
Two Way Listen-In Capability: • For Central Station Alarm Verification • User activated through telephone remote control	No Two Way Listen-In Capability



ELK-M1EZ8CB

M1EZ8 Control Board Only

- For use in structured wiring enclosures, trim-outs on pre-wired jobs, or as a
- spare or replacement board
- Can be mounted directly to almost any surface
- Mounting Hardware Included
- Size: 6.5"W x 6.75" H x 1.5" D
- RoHS Compliant

7 62158 55041 6

ELK-M1EZ8KB

M1EZ8 Control Kit With Enclosure

This "ready to install" value package includes:

- M1EZ8 Control Board
- ELK-**M1KP** LCD Keypad
- ELK-UB12 Metal Enclosure
- ELK-1250 5Ah Battery
- ELK-RJSET Telco Jack & Cord
- ELK-SP35 Interior Speaker
- ELK-TRG1640 AC Transformer
- RoHS Compliant

7 62158 55042 3

ELK-M1EZ8KBS

M1EZ8 Control Kit With Enclosure

This "ready to install" value package includes:

- M1EZ8 Control Board
- ELK-**M1KP2** LCD Keypad
- ELK-UB12 Metal Enclosure
- ELK-1250 5Ah Battery
- ELK-RJSET Telco Jack & Cord
- ELK-SP35 Interior Speaker
- ELK-TRG1640 AC Transformer
- RoHS Compliant

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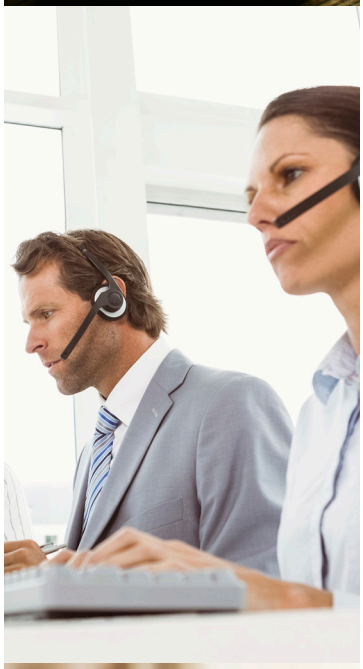
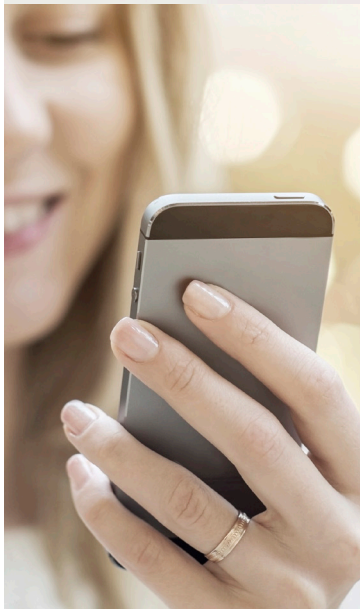
Cellular/IP Communicators for M1 Controls

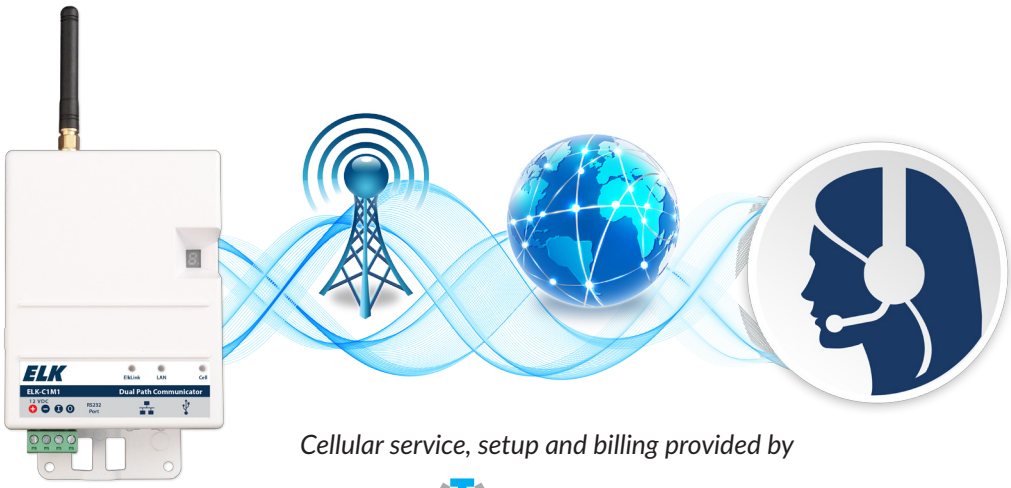




In an emergency, a quick response is crucial to save lives and assets

C1M1 DUAL-PATH ALARM COMMUNICATOR

with Remote Services



Cellular service, setup and billing provided by

TELGUARD

Super Fast, Full Data Communications Over IP and Cellular Pathways to Central Monitoring Stations

- Auto directs over first available and/or best path for quickest communications
- No dial capture or data bus decoding which can lead to delays with other communicators
- No cloud server to compromise or delay communications
- In the event of a pathway outage, C1M1 can automatically report the outage over the remaining path
- Periodic auto tests are transmitted through both pathways to ensure reliable communication
- UL Listed

Supports Local and Remote Access to M1 Controls

- Remote access is available over both IP or Cellular Pathways
- No port forwarding and no extra fees required for remote access
- Consumers can remotely control M1 system from software and apps
- Installers can remotely program M1 system through ElkRP2
- On-board USB port allows on-site programming with no need to connect through customer LAN

SUPPORT FOR BOTH GSM AND CDMA CELLULAR NETWORKS!

ELK-C1M14GSM
Dual-Path Alarm Communicator
FOR GSM CELLULAR NETWORKS

7 62158 55089 8

ELK-C1M1CDMA
Dual-Path Alarm Communicator
FOR CDMA CELLULAR NETWORKS

7 62158 55090 4

C1M1 PRODUCT FEATURES

Screw-in Antenna
Stubby antenna included. Remote antenna can be installed in place of stubby antenna for areas with poor cell service.

7 Segment Display
Provides cell signal strength, communication activity and other diagnostic information.

LED Indicators
Shows connectivity with cellular service, LAN (local area network) and ElkLink.

Compact Housing
Designed for easy installation in ELK's structured wiring enclosures, using a single screw.

C1M1 ACCESSORIES

ELK-WA003

7 62158 55092 8

Remote Antenna
For use in areas with poor cell service. Installed in place of the supplied stubby antenna

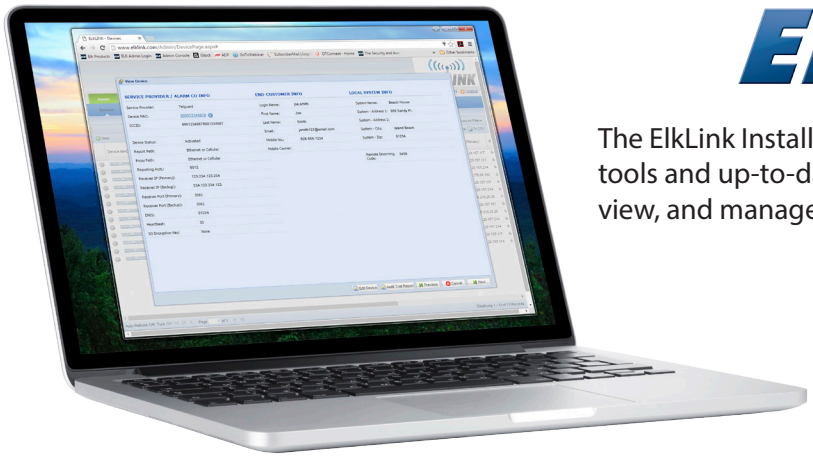
- SMA male connector
- Magnet base
- 6m long cable
- Color: Black

ELK-USBCM

7 62158 55091 1

USB Cable
Allows local programing of M1 Control through USB port on C1M1

- USB Serial A to mini-B cable
- 60" long cable
- Color: Black



ELKLINK

The ElkLink Installer Portal provides convenient management tools and up-to-date activity. Installers can easily activate, view, and manage their C1M1 communicators.

The ElkLink End Customer Portal allows remote arm/disarm, plus viewing of system status and recent events. Email and text message alerts can be setup and managed by the end customer as well.

Ethernet (IP) Interface for M1 Controls

The ELK-M1XEP Ethernet interface allow M1 controls to be connected to a LAN (network) for programming, monitoring, and remote control. It provides a secure encrypted connection with password protection for remote software and apps with no monthly fees required! This interface also supports cloud-based remote services. The IP monitoring and reporting capability provides a great alternative to standard phone lines. It also features email and text notification to keep you informed of important system events.

- Secure connection with password protection and SSL/TLS encryption
- Event notification via e-mail (SMTP)
- Internet monitoring and reporting capability
- Supports synchronizing the M1/EZ8's clock with NTP(stratum-2) time server
- Supports automatic updates to Dynamic DNS providers (DynDNS protocol)
- Connects to M1 control via RS232 serial port
- LED indicators for Power, Link, and Data
- Flash Memory for firmware updating
- Operating Voltage: 12VDC Regulated
- Current Draw: Approximately 300mA
- Size: Housing - 4.25" x 6.375" x 2.125"; Board - 2.25" x 3.95"
- Includes ELK-P1216 Switching Power Supply and Serial Cable
- RoHS Compliant

ELK-M1XEP

7 62158 55016 4

Use ELK-SWG Circuit Board Glides to mount M1XEP in ELK Structured Wiring Enclosures

Connectivity Accessories

ELK-M1EZ8MSI

Main Serial Port for M1EZ8

The main serial interface for ELK-M1EZ8, required for interfacing M1EZ8 with a PC for upload/download. Baud rate programmable up to 115,200 baud.

- Required when adding the M1XEP Ethernet Interface to M1EZ8
- Housing Size: 4.375" x 3" x 1.25"
- Board Size: 3.375" x 2.25"

7 62158 55034 8

ELK-USB232

Serial Cable to convert USB to RS-232

This special cable is required for the ELK-RP software to connect with the main serial port of M1 Controls when the computer does not provide a conventional RS-232 9 pin port.

- Male USB to Male DB9
- Speed: USB 2.0
- Cable Length: 6'
- Includes CD with Device Drivers
- RoHS Compliant

7 62158 55027 0

ELK-W040A

Serial Ribbon Cable

This serial ribbon cable is used to connect the M1 Controls main serial port to the M1XEP. **Included with ELK-M1XEP.**

- Compact design means cable will not interfere with the enclosure door
- DB9F to DB9M
- Approx. 17" long
- RoHS Compliant

7 62158 55060 7

Remote Control Options for M1 Controls

M1ToGo for Windows®

Remotely access the M1 system from anywhere in the world with M1ToGo! This free software provides users computer-based, Internet remote access to their M1 system with a PC. The secured Windows based platform allows users full access to their security system along with lighting and energy management, door/gate access and any other systems connected and controlled through the M1. This software can be installed on a USB flash drive for portability.

- ✓ **Convenient**
- ✓ **Portable**
- ✓ **Secure**
- ✓ **FREE Download!**

With M1ToGo you can:

- Arm & disarm security system
- View zone status and quickly bypass zones
- Activate keypad panic/function keys
- View and save event history log
- Turn chime on/off, change chime mode
- Control and view current status of lights and outputs
- View current temperature/settings and control thermostats
- View current temperature of sensors/keypads
- Activate automation tasks (macros)
- View and change custom setting values

Other Features & Benefits:

- Configuration is quick and easy
- Connection to M1 utilizes secure, encrypted port
- Multiple profiles provide quick access for multi-site users and eliminates the need to remember IP addresses or URLs
- **FREE Download! Try it today!**

Control is Always at Your Fingertips

with these apps and services from our M1 Partners

eKeypad
Apps for iPhone/iPad

M1 Touch Pro
App for Android Devices

Connect ONE
Cloud based services for any web-enabled device

Learn more about these remote control options at
www.elkproducts.com/m1-remote-control

Keypads for M1 Controls

Navigator Touchscreen Keypad

Navigator is a stylish, touchscreen keypad for use with M1 Control Systems. It features a touch sensitive, 3.5" LCD color display with colorful icons and text for easy control of entire system. It connects to the M1 panel via the RS-485 data bus, making it simple for new or retrofit installations. Not only is Navigator stylish, it provides simplified, quick keypad programming. Navigator comes with a designer white bezel, but the optional replacement bezels allow easy conversion to black or silver.

- Hi-Contrast LCD Touchscreen Display
- Six (6) Programmable Function Keys
- Unique "Menu" Navigation
- Information screen displays installer contact details
- Built-in Piezo Sounder with adjustable volume and pitch
- One (1) Supervised Zone Input
- One (1) "Switched Positive" Voltage Output
- Optional raceway back box for solid wall mount
- Fits into *horizontally positioned* single gang box
- Connection: 6 Pin Plug-in "Flying Lead" Cable
- Operating Voltage: 13.8 VDC
- Current draw: ~30mA Idle (low backlight, sounder silent)
  ~ 55 mA fully active (max backlight and sounder active)
- Dimensions: 4.25"W x 3.38"H x .59"D
- RoHS Compliant

ELK-M1KPNAV

7 62158 55077 5

Surface Mount Back Box

- Use for mounting the M1KPNAV on concrete/block (non-hollow) surface or with wire raceway
- RoHS Compliant

ELK-M1BBKN

7 62158 55078 2

Black Bezels

- Color Change for M1KPNAV
- Package of 2
- RoHS Compliant

ELK-M1BZBKN

7 62158 55079 9

Silver Bezels

- Color Change for M1KPNAV
- Package of 2
- RoHS Compliant

ELK-M1BZSKN

7 62158 55080 5

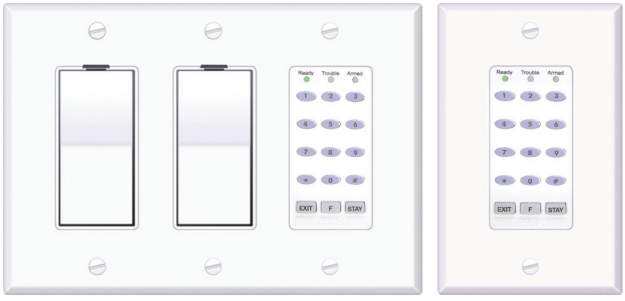
ELK-M1KPAS

7 62158 55054 6

Arming Station

Small, economical, arm/disarm station for M1 Controls fits into single gang box and utilizes a standard decorator style faceplate (not included). Displays basic system status with 3 LEDs: Green "Ready", Yellow "Trouble", and Red "Armed". The 12 button keypad is backlit with blue LEDs and has quick arm keys for "Exit" and "Stay". The M1KPAS also provides access to six (6) programmable function operations by pressing the "F" (Function) key followed by one of the keys (1 thru 6).

- Blue Backlit Keys
- Instant Activation of 6 Tasks
- Built-in Piezo Sounder
- Quick Arm Exit & Stay Keys
- LED Status Indication
- Connection: 4 Pin Plug-in "Flying Lead" Connector (Included)
- Color: White
- Operating Voltage: 13.8VDC
- Size: 1.81" x 2.75" x 1.13"
- RoHS Compliant



LCD KEYPADS

Our LCD keypads for M1 controls feature a 32 character, backlit display with adjustable intensity. Programmable function ("F") keys can contact emergency services or perform tasks; such as, controlling lights, watering the lawn, closing or opening the garage door, etc. The ELK menu navigation keys easily guide you through the full list of automation tasks, programming, systems diagnostics, and more. These LCD keypads are compatible with 26 bit Wiegand proximity readers, allowing cards or fobs to be used for arming, disarming, or door lock control, etc.

- Input for One Supervised Zone
- One 12VDC, 50 mA Programmable "Switched Positive" Output
- Exit, Stay, Chime, and Bypass Keys
- Displays system diagnostics and settings
- Connection: 6 Pin Plug-in "Flying Lead" Connector (included)
- Operating Voltage: 13.8VDC
- RoHS Compliant

ELK-M1KP

- Green LCD display with large characters for improved readability
- Six (6) programmable function keys
- Adjustable volume for tones/chime
- Accepts Internal Plug-in Proximity Reader (ELK-M1PR)
- Accepts "External" 26 bit Wiegand Prox Reader using **ELK-W035A** wiring harness
- Built-in Temperature Sensor
- Programmable display of time, date, and/or temperature
- Fold down door features magnetic closure (can be removed if desired)
- Current Draw: 40-50mA Idle (low backlight, sound silent) 160mA fully active
- Color: Glacier White
- Size: 6.875" x 5.25" x 1.375"

7 62158 55003 4

ELK-M1KPB

- High contrast blue LCD display with large characters for improved readability
- Six (6) programmable function keys
- Adjustable volume for tones/chime
- Accepts Internal Plug-in Proximity Reader (ELK-M1PR)
- Accepts "External" 26 bit Wiegand Prox Reader using **ELK-W035A** wiring harness
- Built-in Temperature Sensor
- Programmable display of time, date, and/or temperature
- Fold down door features magnetic closure (can be removed if desired)
- Current Draw: 40-50mA Idle (low backlight, sound silent) 160mA fully active
- Color: Glacier White
- Size: 6.875" x 5.25" x 1.375"

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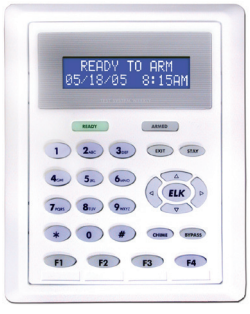

ELK-M1KP2

- High contrast blue/white LCD display
- Four (4) Programmable Function Keys
- Accepts "External" 26 bit Wiegand Prox Reader using **ELK-W039A** wiring harness
- Surface mounts to a standard 1 or 2 gang electrical box
- Programmable display of time & date
- Current Draw: ~30 mA Idle (low backlight, sounder silent) ~85 mA fully active
- Color: White
- Size: 4.658" x 5.5" x .95" (.375" D with recess mount)
- Optional Recess Back Box Kit Available (ELK-M1BBK2); size: 4.312" x 5.375" x 1"

7 62158 55047 8

ELK-M1KP3

- High contrast blue/white LCD display
- Four (4) Programmable Function Keys
- Hinged door over the keys
- Accepts "External" 26 bit Wiegand Prox Reader using **ELK-W039A** wiring harness
- Surface mount only without electrical box
- Programmable display of time & date
- Current Draw: ~30 mA Idle (low backlight, sounder silent) ~85 mA fully active
- Color: White
- Size: 3.97" x 5.425" x 1.19"

7 62158 55061 4

KEYPAD FEATURE COMPARISON

	M1KPNAV	M1KP	M1KPB	M1KP2	M1KP3	M1KPAS
Physical Dimensions	4.25" x 3.4" x .6"	6.9" x 5.25" x 1.4"	6.9" x 5.25" x 1.4"	4.7" x 5.5" x 1"	4" x 5.5" x 1.2"	1.8" x 2.75" x 1.1"
Door Cover	✗ No	✓ Yes	✓ Yes	✗ No	✓ Yes	✗ No
Zone Input	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✗ No
Programmable Output	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✓ Yes (1)	✗ No
Optional Proximity Reader	✗ No	✓ Yes Internal & External	✓ Yes Internal & External	✓ Yes- External Only	✓ Yes- External Only	✗ No
Internal Temp Sensor	✗ No	✓ Yes	✓ Yes	✗ No	✗ No	✗ No
Function "F" Keys	6	6	6	4	4	6- Press "F" Key, then 1-6
Adjustable Key Beep Volume	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✗ No
Adjustable Key Beep Tone	✓ Yes	✓ Yes	✓ Yes	✓ Yes	✓ Yes	✗ No
LCD Display	Full Color, Touch Sensitive	Green	Blue	Blue	Blue	N/A
Key Backlight Color	N/A	Amber	Amber	Blue	Blue	Blue
Mounting Options	Surface Mount Only	Surface Mount Only	Surface Mount Only	Surface or Flush* Mount (*see M1BBK2)	Surface Mount Only	Mounts in Std. Electrical Box

KEYPAD ACCESSORIES

ELK-M1BBK2

Recess Back Box for M1KP2

The M1BBK2 is an optional back box kit that allows the ELK-M1KP2 keypad to be flush (recess) mounted.

- Used in place of standard surface mount back box
- Size: 4.312"W x 5.375" H x 1" D
- RoHS Compliant

7 62158 55048 5

ELK-M1KCWB

Keypad Conduit Wall Box

The M1KCWB is a two-piece, surface mount, metal wall box used for surface mounting a keypad in a location that does not permit running or concealing the wiring within the structure's walls.

- Permits mounting of the ELK-M1KP or ELK-M1KP2 Keypad back plate
- 1/2" and 3/4" electrical conduit knockouts on 3 sides and back
- RoHS Compliant

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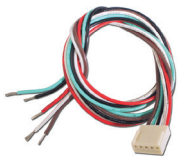


ELK-W035A

M1KP & M1KPB Proximity Reader Wiring Harness

This 5-pin cable is used to connect a 26 bit Wiegand reader (such as the ELK-106055) to an M1KP or M1KPB keypad

- Color Coded
- Pre-stripped wire ends
- Keyed connector
- 18 Gauge Wire
- Wire length: 18"
- RoHS Compliant

7 62158 55029 4

ELK-W039A

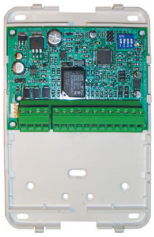
M1KP2 & M1KP3 Proximity Reader Wiring Harness

This two pin cable is used to connect a 26 bit Wiegand reader (such as the ELK-106055) to the M1KP2 or M1KP3 keypad

- Color Coded
- Pre-stripped wire ends
- Keyed connector
- 22 Gauge Wire
- Wire Length: 12"
- RoHS Compliant

7 62158 55051 5

Access Control



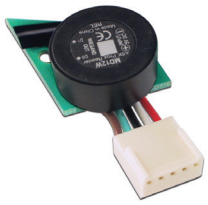
ELK-M1KAM

7 62158 55052 2

M1 Single Door Access Module

A single door access interface module for use with M1 Controls. It installs in place of an M1 Keypad and operates from the RS-485 4-Wire Keypad Data Bus.

- Input for a standard 26 bit Wiegand Reader
- Input for a Dallas iButton Reader
- (3)12VDC Outputs for Door Held Open Alarm(50mA), Ready To Arm, and System Armed indications (10mA)
- (2)Supervised Inputs for RTE (Request To Exit) Button/Device and Door Status Sensor
- Four selectable Time settings for "Request to Exit" and "Door Held Open"
- RoHS Compliant
- Heavy Duty Form "C" Relay Contacts for Switching Door Strike Power
- Connections: Plug-In Screw Terminals, 16 Position
- Operating Voltage: 13.8VDC
- Current Draw: Less than 30 mA with minimum activity, 44 mA fully active
- Housing Dimensions: 4.25" x 6.375" x 2.125"
- Circuit Board Dimensions: 3.95" x 2.875" x .95"
- Hardware Watchdog Circuit



ELK-M1PR

Keypad Plug-in Proximity Reader

Plugs into the connector inside the ELK-M1KP or ELK-M1KPB keypad.* Allows a proximity card or fob to be used to quickly arm, disarm, operate a door strike, etc.

7 62158 55005 8

- Reader format: 26 bit Wiegand
- Read Distance: ~3/8"
- 5 pin plug-in connector
- Operating voltage: 5VDC from keypad
- Current Draw: ~20mA
- RoHS Compliant

Requires M1PRC cards or M1PRF fobs

* Not compatible with other keypads - see ELK-106055

ELK-106055

Exterior Proximity Reader

Allows a proximity card or fob to be used with M1 Controls to quickly arm, disarm, operate a door strike, etc.

7 62158 55044 7

- Connects to any M1KP(B) Keypad with ELK-W035A - use ELK-W039A for M1KP2 & M1KP3 Keypads
- Can be used on any system that is 26 bit Wiegand compatible
- RoHS Compliant
- Weatherproof - suitable for outdoor installation
- Size: 3 1/8" H x 1 7/8"W x 1"D
- Color: Black
- Operating Voltage: 12VDC
- Current draw: 50mA

Requires M1PRC cards or M1PRF fobs

ELK-M1PRC

7 62158 55006 5

M1 Proximity "Clam Shell" Cards

For use with the add-on proximity readers: ELK-M1PR for the ELK-M1KP keypad or ELK-106055 exterior reader.

- Comes in packs of (10) ten
- Credit Card Size
- Color: Off white
- Size: 3.375" x 2.125" x .0625"
- RoHS Compliant

ELK-M1PRF

7 62158 55007 2

M1 Proximity Key Fobs

For use with the add-on proximity readers: ELK-M1PR for the ELK-M1KP keypad or ELK-106055 exterior reader.

- Comes in packs of (10) ten
- Attaches to key chain
- Color: Black
- Size: 2.125" x 1.3125" x .25"
- RoHS Compliant

ELK-MA110

iButton™ Reader Probe & Plate Only

- For high security access control, simple on/off switching, password authentication, etc.
- Compatible with ELK-M1KAM
- Use ELK-MA101 iButton™ Touchkeys
- RoHS Compliant

7 62158 50110 4

ELK-MA101

iButton™ Touchkeys

- Electronic key with unique 48-bit serial number
- For access control, on/off switching, password authentication, etc.
- 10 pieces
- Required with ELK-MA110
- RoHS Compliant

7 62158 50101 2

Protect Your Customers and Install Wireless Security with Confidence...

As homes and businesses become smarter, so should the intelligence of their security. Recent news reports have raised concerns about conventional wireless products being susceptible to hacking. Avoid these vulnerabilities by offering a wireless solution that defends against interference, hacking and jamming attacks. ELK's Two-Way Wireless products incorporate advanced features to ensure secure transmissions, increase reliability, extend battery life, simplify installation, and provide innovative security enhancements.

Choose ELK's Two-Way Wireless for M1 Controls

HOW IS TWO-WAY WIRELESS DIFFERENT?

Encrypted transmissions, frequency hopping and jamming detection make it virtually impossible to lock on to the signal providing increased immunity to hacking.

2016 EH PRODUCTS of the Year WINNER

Every signal from each sensor is acknowledged by the transceiver to ensure reliability. This also stops repeat transmissions, saving battery life. Bi-color LEDs confirm signals have been received, saving installation steps and time.

WHAT'S NEW?

New Product!
Outdoor Motion Sensor
ELK-6032

New, Improved Design!
Panic Button
ELK-6011

UNIQUE PRODUCT FEATURES

Sound All™ Smoke Detectors

Meet new fire codes without hardwired sounders

When a fire alarm is activated, the built-in sounders of all enrolled smoke detectors are activated wirelessly, with synchronized sound.

Motion Sensors with Security/Convenience Light

Eliminate trips up the ladder to test motion detectors

Quickly and easily activate walk test mode from a keypad with just a few key presses. A bright white LED is activated by motion during walk test to simplify testing.

Extra illumination when you need it most

The bright white security/convenience LED is also activated during audible alarms and can be programmed using M1 rules.

Four Button Keyfobs with Status Indicator

Know if an alarm has been activated before entering

Arm, disarm and alarm status information is displayed via a bi-color LED indicator. The status inquiry button provides on-demand access to this information, allowing the user to know if an alarm has occurred before entering the home or business.

Two-Way Wireless Products

ELK-M1XRFTW

7 62158 16000 4

M1 Wireless Transceiver

Allows an ELK-M1 or ELK-M1EZ8 Control to accept Elk's complete line of two-way wireless sensors.

- Allows up to 144 individual wireless zones (sensors/points)
- Operates from the 4 wire RS-485 Data Bus
- Multiple receivers may be used with a single M1 or M1EZ8 control for redundancy and greater coverage
- Flash memory for firmware updates
- Operating Frequency: 902 Mhz to 928 Mhz
- Sensitivity: >105 dbm
- Operating Voltage: 12 Volts DC
- Current Draw: 25mA receiving, 85mA transmitting
- UL Listed
- Housing Dimensions: 6.75" x 4.69" x 1.13"
- RoHS Compliant

ELK-M1XRFTWKIT

7 62158 16027 1

Two-Way Wireless Starter Kit

Includes:

- (1) **FREE** M1XRFTW Two-Way Wireless Transceiver
- (2) ELK-6020 Slimline Door & Window Sensors
- (2) ELK-6010 Four Button Keyfobs
- (1) ELK-6030P Motion Sensor with Pet Immunity

BIG SAVINGS!!

Add Two-Way Wireless to the M1 Control With This Money Saving Kit. You Get The Wireless Transceiver for FREE!

ELK-6010

7 62158 16010 3

Four Button Keyfob

Provides 4 push buttons, on-demand status inquiry with LED feedback indicator. Programmable buttons can be configured to arm, disarm, activate panic alarm, open garage door, turn on lights, etc.

- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Status inquiry button & LED indicator provide arm, disarm, and alarm memory status
- 902 Mhz - 928 Mhz frequency hopping
- Size: 1.5"W x 2.32"L x .5"D
- Replaceable battery
- RoHS Compliant

ELK-6011

7 62158 16028 8

Single Button Panic Sensor

Features a single "press and hold" button and red LED feedback indicator. The typical application for this sensor is for activating a panic or emergency alarm.

- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Red LED blinks to confirm the panic alarm has been activated
- 902 Mhz - 928 Mhz frequency hopping
- Size: 1.5"W x 2.32"L x .5"D
- Water resistant lanyard included
- Replaceable battery
- RoHS Compliant

ELK-6030

7 62158 16023 3

PIR Motion Sensor

Ideal for residential and light commercial installations. Incorporates innovative features to ensure reliable performance and convenience.

- Convenient keypad initiated walk test mode
- Industry First Security/Convenience Light with:
  - Momentary motion activation during walk test
  - Flashing during audible alarm activation
  - Programmable "on" activation through M1 Rules
- Sleep Cycle "Battery Saver" (2 time settings)
- Selectable coverage range and pulse count
- High quality dual element Pyroelectric sensor
- 902 Mhz - 928 Mhz frequency hopping
- Includes standard swivel mounting bracket
- Size: 2.8"W x 4.4"H x 1.9"D
- RoHS Compliant

ELK-6030P
PIR Motion Sensor with Pet Immunity

7 62158 16025 7

ELK-603022
Deluxe 90° Swivel Mounting Bracket

7 62158 16024 0

ELK-6032

7 62158 16044 8

Outdoor PIR Motion Sensor

Detects movement within a specific coverage area, by sensing the infrared energy emitted from an intruder moving across the sensor's field of view. Temperature changes created by the infrared energy are processed to determine if the occurrence qualifies as a legitimate motion detect alarm event.

- Dual element pyroelectric sensor
- Excellent immunity from white light, RF, and ESD interference
- Sleep Cycle "Battery Saver" (2 time settings)
- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Selectable sensitivity and pulse count
- Coverage: 12m (40 ft.) x 90° wide
- 902 Mhz - 928 Mhz frequency hopping
- Operating Temp: -17°C to +49°C (0°F to 122° F)
- Size: 3.154"W x 7.8"H x 4.25"D

ELK-6022

7 62158 16022 6

Universal 3-Zone Sensor

3-in-1 sensor provides 1 wireless zone (built-in reed switch) and 2 hardwired zones (open/closed zone inputs) to be transmitted as 3 wireless zones. It features Elk's industry leading two-way technology.

- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- One built-in reed switch zone
- Two zone inputs for external contacts
- Front and back tamper option
- 902 Mhz - 928 Mhz frequency hopping
- Maximum operating gap of reed: 1/2"
- Size: 1.5"W x 3"L x .9"D
  Magnet: .57"W x 1.5"L x .6"D
- RoHS Compliant

Slim Line Door & Window Sensor

Ideal for narrow jamb door and window applications and features Elk's industry leading two-way technology.

- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- One built-in reed switch
- Front and back tamper option
- 902 Mhz - 928 Mhz frequency hopping
- Maximum operating gap of reed: 1/2"
- Size: .71"W x 3.4"L x .8"D
  Magnet: .57"W x 1.5"L x .6"D
- RoHS Compliant

ELK-6020
- Color: White

7 62158 16020 2

ELK-6020BR
- Color: Brown

7 62158 16039 4

Mini Window Sensor

Exceptionally thin wireless window sensor featuring Elk's industry leading two-way technology.

- Perfect for double hung windows
- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- One built-in reed switch
- 902 Mhz - 928 Mhz frequency hopping
- Maximum operating gap of reed: 3/8"
- Size: 1.1"W x 2.3"L x .25"D
  Magnet: .37"W x 2.3"L x .25"D
- RoHS Compliant

ELK-6021
- Color: White

7 62158 16021 9

ELK-6021BR
- Color: Brown

7 62158 16043 1

Recessed Door Sensor

The ultimate wireless security device for discriminating customers! Mounts into a 3/4" drilled hole in a wooden door jamb and becomes nearly invisible once the door is closed.

- Designed for wood and vinyl doors
- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Built-in tamper switch
- 902 Mhz - 928 Mhz frequency hopping
- Dimensions: .75"D x 2.5"L Mag: .75"D x .625"L
- Maximum Operating Gap: 3/4"
- RoHS Compliant

ELK-6023
- Color: White

7 62158 16031 8

ELK-6023BR
- Color: Brown

7 62158 16038 7

ELK-6040

7 62158 16030 1

Glass Break Sensor

Listens for actual patterns of breaking glass across the full audio band using Pattern Recognition Technology™. The factory set recognition patterns make it possible to detect the difference between breaking glass of framed perimeter windows in a building vs. a drinking glass breaking within a room.

- Pattern Recognition Technology™
- Operation Alarm LED - RED (viewable from front)
- RF Acknowledge LED - Bi-Color (viewable with cover removed)
- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Omni-directional microphone, 360° Detection
- Detection Range: Detection Range: 20 ft. (6m)
- Min. Distance from Glass: 4 ft. (1.2m)
- RoHS Compliant

ELK-6050

7 62158 16029 5

Sound All™ Smoke Detector with Built-In Heat Sensor

Provides a two-way wireless solution with signal acknowledgment and rapid "rate-of-rise" temperature detection. ELK's M1 controls have the capability to activate the built-in sounders of all enrolled ELK-6050 smoke detectors in an event of a fire alarm.

- Sound All™ feature activates built in sounder of all enrolled detectors when fire alarm occurs
- Photoelectric smoke detection
- Rapid "rate-of-rise" temperature detection
- Fixed temperature heat detection
- Compatible with ELK-M1XRFTW Two-Way Wireless Transceiver
- Sounder: 85 dB at 10 ft. temporal pattern
- 902 Mhz - 928 Mhz frequency hopping
- Size: 5.6"W x 2.4"H
- UL Listed
- RoHS Compliant

Replacement Batteries / Extra Magnets for ELK Two-Way Wireless Sensors

Replacement Batteries			
Sensor Part#	**Battery Type**	**Voltage**	**Qty**
ELK-6010	CR2032 Lithium	3V	1
ELK-6011	CR2032 Lithium	3V	1
ELK-6020	½ AA Lithium	3.6V	1
ELK-6020BR	½ AA Lithium	3.6V	1
ELK-6021	CR2032 Lithium	3V	1
ELK-6021BR	CR2032 Lithium	3V	1
ELK-6022	CR123A Lithium	3V	1
ELK-6023	½ AA Lithium	3.6V	1
ELK-6023BR	½ AA Lithium	3.6V	1
ELK-6030	CR123A Lithium	3V	2
ELK-6030P	CR123A Lithium	3V	2
ELK-6032	CR123A Lithium	3V	2
ELK-6040	CR123A Lithium	3V	1
ELK-6050	CR123A Lithium	3V	2

Extra Magnets		
Sensor Part #	**Magnet Part #**	**UPC**
ELK-6020	ELK-SM20	762158160356
ELK-6020BR	ELK-SM20BR	762158160400
ELK-6021	ELK-SM21	762158160363
ELK-6021BR	ELK-SM21BR	762158160417
ELK-6022	ELK-SM20	762158160356
ELK-6023	ELK-SM23	762158160318
ELK-6023BR	ELK-SM23BR	762158160424

Check out our "How To Guide to Two-Way Wireless" video on YouTube for installation tips & tricks!

Wireless Receivers for Third-Party Sensors

IMPORTANT NOTE: The wireless receivers in this section support only the type of sensors noted below in the product specifications. These receivers DO NOT support any ELK Two-Way Wireless sensors. If you wish to use ELK Two-Way wireless sensors, you must install the ELK-M1XRFTW Two-Way Wireless Transceiver.

ELK-M1XRF2H

7 62158 55067 6

M1 Wireless Receiver for Honeywell 5800 Series Transmitters

Wireless (RF) receiver and input expander for use with M1 controls.

- Adds up to 144 individual wireless zones (sensors/points)
- **Compatible with Honeywell 5800 Series transmitters only (one-way)**
- Operates from the 4 wire data bus
- Multiple receivers may be connected to a single M1 or M1EZ8 Control for redundancy or greater coverage
- Flash memory for firmware updating
- Sensitivity: >105 dbm
- Operating Temperature: 0 to +120 degrees F
- Operating Voltage: 12 Volts DC
- Current Draw: 70mA
- Housing Dimensions: 6.75" x 4.69" x 1.13"
- RoHS Compliant

ELK-M1XRFEG

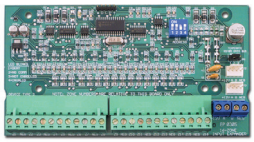
7 62158 55068 3

M1 Wireless Receiver for GE Format Transmitters

Wireless (RF) receiver and input expander for use with M1 controls.

- Adds up to 144 individual wireless zones (sensors/points)
- **Compatible with GE Format transmitters only (one-way)**
- Operates from 4 wire data bus
- Multiple receivers may be connected to a single M1 or M1EZ8 Control for redundancy or greater coverage
- Flash memory for firmware updating
- Sensitivity: >105 dbm
- Operating Temperature: 0 to +120 degrees F
- Operating Voltage: 12 Volts DC
- Current Draw: 70mA
- Housing Dimensions: 6.75" x 4.69" x 1.13"
- RoHS Compliant

Hardwired Input & Output Expansion



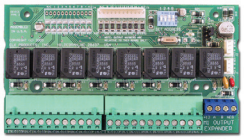
ELK-M1XIN

7 62158 55017 1

M1 16 Zone Input Expander

Adds 16 hardwired zones (with or without EOL resistor supervised) to the M1 Controls. Up to 12 may be added, increasing the M1Gold to 208 and the M1EZ8 to 200 total zones (inputs)

- Operates from 4-wire data bus
- Dip Switch address settings
- Flash Memory for firmware updating
- Plug-in terminal strips
- Status and diagnostic LED
- RoHS Compliant
- Operating Power Range: 9 to 14VDC
- Current Draw: 65mA
- Size: 6" x 3.25" x .75"
- Includes ELK-SWG for easy mounting in ELK enclosure



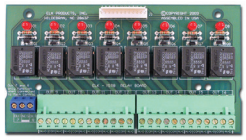
ELK-M1XOVR

7 62158 55019 5

M1 16 Output Expander, 8 Voltage & 8 Relays

Adds 16 outputs (8 voltage, 8 relays) to M1 Controls. Voltages can be used to trigger low current devices (50 mA max. each). Operates from 4-wire data bus. Up to 12 output expanders may be used for a total of 205 outputs. Option: convert 8 voltage outputs to relays using M1RB Relay Board.

- Operates from 4-wire data bus
- Up to 12 Output Expanders may be added
- DIP Switch address settings
- Flash Memory for Firmware Updating
- Includes 12 conductor "Flying Lead" Wiring Harness
- Status and diagnostic LED
- RoHS Compliant
- Relays: SPDT rated for 7A @ 28VDC, 10A @ 125 VAC
- Voltage Outputs: 12VDC @ 50mA each
- Operating Power Range: 9 to 14VDC
- Current Draw 65mA Nom., 330 mA Max.
- Size: 6" x 3.25" x .75"
- Includes ELK-SWG for easy mounting in ELK enclosure



ELK-M1RB

7 62158 55008 9

M1 Relay Board, Plug-in

Used to convert the voltage outputs of M1 Controls into SPDT relays.

- Provides 8 Relay Outputs
- Plugs directly into M1 Controls or ELK-M1XOVR
- Includes ELK-SWG for easy mounting in ELK enclosure
- LED Status Indicators on all 8 Relays
- Relay Contact Ratings: 7A @ 28VDC, 10A @ 125VAC
- Wire harness length: 24"
- Current draw: 0mA Idle, 250mA Max.
- Size: 6" x 3.25" x. 75"
- RoHS Compliant

Data Bus Hubs

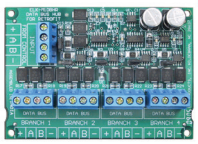
ELK-M1DBH

7 62158 55002 7

M1 Data Bus Hub

For easy connection of expanders & keypads. The M1DBH accepts up to 9 RJ45 equipped CAT5 or CAT6 cables, and series connects the data A & B lines so the data bus may be terminated properly.

- Designed for multiple home run cables
- Internally connects Data A & B lines from previous device into next device out
- Multiple Hubs may be connected for expansion
- EOL Bus Termination done on-board with included RJ-45 Terminator Plug
- Input Connectors: Elevator Screw Terminals
- Output Connections: RJ-45, 8-Pin Jacks
- Includes ELK-SWP3 Mounting Plate
- Circuit Board Size: 5" x 2.5" x .75"
- Easily snaps into Elk enclosure
- RoHS Compliant



ELK-M1DBHR

7 62158 55037 9

M1 Data Bus Hub for Retrofit

Active RS-485 data bus hub for retrofitting older panels with multiple home run, 4 conductor keypad/ data wires with M1 Controls. The end of each cable is EOL terminated to insure proper operation and supervision. Must be located at main control.

- Splits main data bus into 4 managed RS-485 branches.
- Each branch can have 2 parallel home run cables for total of 8 home runs
- Works with standard 4 conductor home run wiring
- Inputs: Elevator Screw Terminals (4 position)
- Output: Elevator Screw Terminals (4 position)
- Includes ELK-SWG for easy mounting in ELK enclosure
- Circuit Board Size: 4.9" x 2.75" x .5"
- RoHS Compliant

Interfaces for Integration

ELK-M1XSLZW

7 62158 55086 7

M1 to Leviton Z-Wave Interface

The M1XSLZW is a specialized M1 serial expander for connecting M1 Controls to Z-Wave enabled devices through a Leviton VRC0P-1LW Z-Wave Serial Interface. Z-Wave is a wireless, low power, "mesh" network technology widely used for automating devices such as: lights, thermostats, electronic locks, etc. With the automation and remote capabilities built into M1, it is possible to control Z-Wave devices from across the room or across the world. Benefits include energy savings, convenience, and comfort.

- Activity/Status LED (Orange)
- Auto-Resetting Hardware Watchdog Circuit
- Addressable (1-7) TYPE 5 Databus ID
- Connection to VRC0P-1LW: DB9M 9 Pin Port
- Connection to M1: Elevator Screw Terminals (4)
- Operating Voltage: 12 Volts DC
- Current Draw: 31mA
- Housing: 4.25" x 6.375" x 2.125"
- Circuit Board: 2.75" x 3.95
- RoHS Compliant

NOTE: The Leviton VRC0P+3 is not included with the M1XSLZW. It must be purchased separately. Specify Leviton Part Number: VRC0P-1LW

ELK-M1XSLU

7 62158 55085 0

M1 to Lutron RadioRA 2 Interface

The M1XSLU is a dedicated M1 serial expander for connecting M1 Controls to a Lutron RadioRA 2 Main Repeater. RadioRA 2 is a wireless multi-room control system for Lights, Shades, and HVAC Thermostats. Interfacing a RadioRA 2 system to an M1 allows control in response to security system actions or conditions. With the automation and remote capabilities built into M1 it is possible to control RadioRA 2 devices from across the room or across the world. Benefits include energy savings, convenience, and comfort.

- Activity/Status LED (Orange)
- Auto-Resetting Hardware Watchdog Circuit
- Addressable (1-7) TYPE 5 Databus ID
- Connection to Main Repeater: RS-232 Cable (included)
- Connection to M1: Elevator Screw Terminals (4)
- Operating Voltage: 12 Volts DC
- Current Draw: 31mA
- Housing Dimensions: 4.25" x 6.375" x 2.125"
- Circuit Board: 2.75" x 3.95"
- RoHS Compliant

ELK-M1XSLC

7 62158 55088 1

M1 to Lutron Caséta Interface Kit

The ELK-M1XSLC Interface Kit contains the necessary ELK components (ELK-M1XSLU and ELK-IP232) needed for interfacing M1 Controls to Lutron's Caséta Wireless and their Smartbridge Pro interface. Lutron Caséta is a wireless control system for Lights, Shades, and future additional products. Interfacing an M1 Control to Caseta allows intelligent control of the Caséta devices in response to security system actions or conditions.

ELK-M1XSLU

- Connects to M1 data bus and to IP232 via RS232 and null modem (included)
- Operating Voltage: 12VDC (Supplied from M1)
- Current Draw: 31mA
- Housing Dimensions: 4.25" x 6.375" x 2.125"
- RoHS Compliant

ELK-IP232

- Connects to Lutron Smartbridge Pro
- Operating Voltage: 12VDC supplied from ELK-P1216 (included)
- Current Draw: 135mA
- Dimensions: 3.85" L x 1.7" W x 0.93"D
- RoHS Compliant

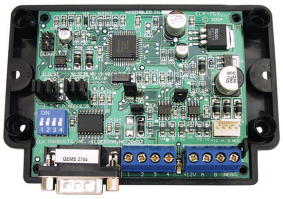
ELK-M1PCSPIM

7 62158 55073 7

UPB Interface for M1 Controls

The ELK-M1PCSPIM is a special Powerline Interface Module containing a built-in M1XSP Serial Port chip. This all-in-one device makes it easy to permanently connect the ELK M1 Control to a UPB network.

- Compact, space saving interface
- Easy hookup -- 4-wire data bus connection
- NO 9-Pin Serial Cable Required
- UPB Status light (multicolored)
- M1 Data Bus Status Light (Green)
- Lower cost than purchasing separate M1XSP and PCSPIM products
- Removable 4-pin terminal block connection
- RoHS Compliant
- Power:
  - UPB Network circuitry – powered from the AC "Primary" Line.
  - M1 Data Bus Device circuitry – powered (12VDC) from the M1 Data Bus
- Current Draw from M1: ~30mA @ 12 VDC
- M1 Bus Device Address: Preset at Address #7
- Firmware required: Standard Version (1.0.42 or later)



ELK-M1XSP

7 62158 55020 1

M1 Serial Port (RS-232) Expander, Thermostat/Lighting Interface

Additional serial port(s) for M1 Controls to interface other manufacturer's equipment utilizing RS-232 ASCII commands.

- Allows M1 to interface with communicating thermostats and lighting controls*
- Adjustable baud rate 300 to 38,400
- Up to 7 M1XSP Expanders may be added to the M1 controls
- Operating Voltage: 12 Volts DC
- Current Draw: 31mA
- Housing Size: 4.375" x 3" x 1.125"
- Circuit Board Size: 3.5" x 2.75"
- RoHS Compliant

* Special serial interfaces are available for several lighting/thermostat partners. Please see page 26 for more information on these special interfaces.

Some Partner Manufacturers; such as AMX, Control 4, and Crestron, choose to interface through the main serial port or ELK-M1XEP Ethernet Interface. Visit www.elkproducts.com for more details and a complete list of partner manufacturers.

ELK-IP232

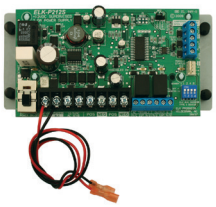
7 62158 55064 5

Ethernet to RS-232 Serial Bridge

The ELK-IP232 may be used to connect any standard serial communications device to an Ethernet network. It is able to both initiate and accept network connections. Once a network connection is made, the remote networked device is virtually connected to the serial device on the other side of the Bridge. Both the network device and the serial device can send and receive messages to and from each other.

- Supports both UDP and TCP protocols
- Up to 12 simultaneous TCP-IP connections
- Up to twelve (12) "Rules" may be programmed to make outgoing connections
- Selectable baud rate from 300 to 115200 baud
- 802.3 compliant 10/100 Mbit interface
- Software and Hardware Handshaking
- Operating Voltage: 12 Volts DC
- Current Draw: Approx. 135 mA
- Dimensions: 3.85" L x 1.7"W x 0.93" D
- RS-232, DB9M 9-pin serial port connection
- RJ45 8-pin Network Jack
- LED Indicators for Power, Link, and Data
- Includes: Serial Cable and 12V Supply
- RoHS Compliant

Supervised Power Supply for M1



ELK-P212S

7 62158 10212 7

Supervised Remote Power Supply

The ELK-P212S is a Supervised Remote Power Supply/Battery Charger, providing 12 VDC output with up to 2 Amps of total current. It supervises the AC Power Input as well as the rechargeable Battery, and can report abnormal conditions back to an ELK-M1 Control over the RS-485 four (4) wire data bus.

- Data-bus supervision of AC and Battery status
- Master AC and Battery ON / OFF Power Switch
- Visual AC Power Indicator
- Programmable relay output
- Two (2) Year Warranty
- RoHS Compliant
- AC Input: 16.5VAC, 45VA (TRG1640 or equiv.)
- DC Output Voltage: 13.8 Volts DC +/- 5%
- Current/Wattage Rating: 2.0 Amps/30 Watts
- DC Output Protection: Auto Resetting PTC
- Rechargeable Battery Size: Max. 12 Ah
- Low Battery Cutoff Threshold: ~10 Volts.

Zone Temperature Sensors

ELK-M1ZTS
Temperature Sensor

7 62158 55031 7

M1 Zone Temperature Sensors

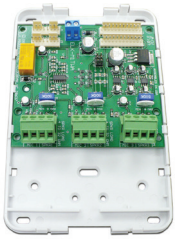
Brings temperature information to M1 Controls for processing. Monitor high or low temperatures with this add-on remote sensor. Applications: wine cellars, server rooms, commercial coolers/freezers, second homes, agricultural uses, etc.

- Connects to any on-board zone on the M1
- Temperature may be accessed from keypads, telephone remote control, PC, or rules
- Suitable for Indoor/Outdoor use in a covered environment
- May be placed up to 1000' from M1 Control
- Temperature Range: -50 to +140F
- Operating Voltage: 12 Volts DC
- Current Draw: 10mA
- Housing Dimensions: 2.375" x 1.25" x 1"
- RoHS Compliant

ELK-M1ZTSR
M1ZTS with 7" Stainless Remote Probe

7 62158 55032 4

Two-Way Listen-In Interfaces & Accessories



ELK-M1TWA

7 62158 55065 2

Audio Amplifier Module with Two-Way Listen-In Capability

Provides 3 zones of amplified speaker outputs with adjustable volume, along with 3 zones of microphone inputs. The M1TWA can be used to add two way listen-in to M1 Gold Controls or simply to add amplified speakers at keypads and other locations in a building.

- Adjustable Speaker Volume Control by Zone
- Selectable Mute by Zone
- 3 Mic Input Zones (up to 4 mics per zone)
- Selectable Mic Listen by Zone or Select ALL
- For Two Way Listen-in, compatible with: ELK-M1TWM, ELK-M1TWS, ELK-M1TWSF
- For amplified speaker applications, compatible with traditional 8 ohm speakers
- Output Impedance Range: ~4 to 32 Ohms per speaker output
- Amplifier Rating: 1/2 Watt per Speaker Output
- Operating Voltage: 9 to 14 Volts DC
- Current Draw: 15mA nominal, 1000mA max
- Microphone Current Draw. 5mA each
- Housing Dimensions: 4.25" x 6.375" x 2.125"
- Circuit Board Dimensions: 2.25" x 3.95"
- RoHS Compliant

ELK-M1TWI

7 62158 55021 8

M1 Gold Two-Way Listen-In Interface

This can be used by Central Station to verify an alarm, or by a user from the M1Gold telephone remote control to check on elderly parents, children, etc.

- Adds up to three (3) zones of two way listen-in to M1G Control
- Up to 12 microphones may be connected
- May be removed from included housing and mounted on optional glides in Elk structured wiring enclosures
- Module powered by M1 Gold
- Compatible with: ELK-M1TWM, ELK-M1TWS, ELK-M1TWSF
- Includes 8 conductor interface cable
- Housing: 4.375" x 3" x 1.125"
- Board Size: 3.5" x 2.75" x .75"

ELK-M1TWSF

M1 Two-Way Flush Mount Speaker/Microphone

Flush Mount 12 Watt Speaker and Microphone combination for use with the M1 Controls two way listen-in interfaces

7 62158 55074 4

- Fits single gang electrical boxes
- Requires 4 conductor cable
- Up to 12 may be connected
- Color: White
- Size: 4.81" x 3.13" x 1.69"
- RoHS Compliant

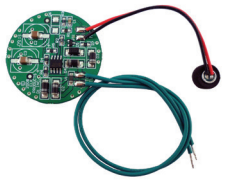
ELK-M1TWS

M1 Two-Way Speaker/Microphone

Microphone and 20 Watt Speaker combination for use with the M1 Controls two way listen-in interfaces

7 62158 55022 5

- Requires 4 conductor cable
- Up to 12 may be connected
- Color: White
- Size: 4.25" x 4.25" x 2.13"
- RoHS Compliant



ELK-M1TWM

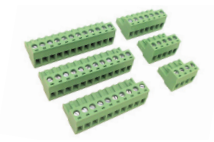
M1 Two-Way Microphone

Microphone only for use with the M1 Controls two way listen-in interfaces.

7 62158 55023 2

- Simple two wire connection
- High Sensitivity
- Up to 12 may be connected
- Operating Voltage: Powered from M1TWA, M1TWI or M1EZ8TWI
- Current Draw: 5mA each
- Circuit Board Size: 1.63" diameter
- RoHS Compliant

Other Accessories



ELK-M1BLOCKS

7 62158 55028 7

Terminal Blocks for M1 Gold Controls

Complete set of 6 plug-in "replacement" terminal blocks.

- Includes various sizes needed for use with M1 Gold Controls
- Terminal blocks are included with M1 Gold Kits
- RoHS Compliant

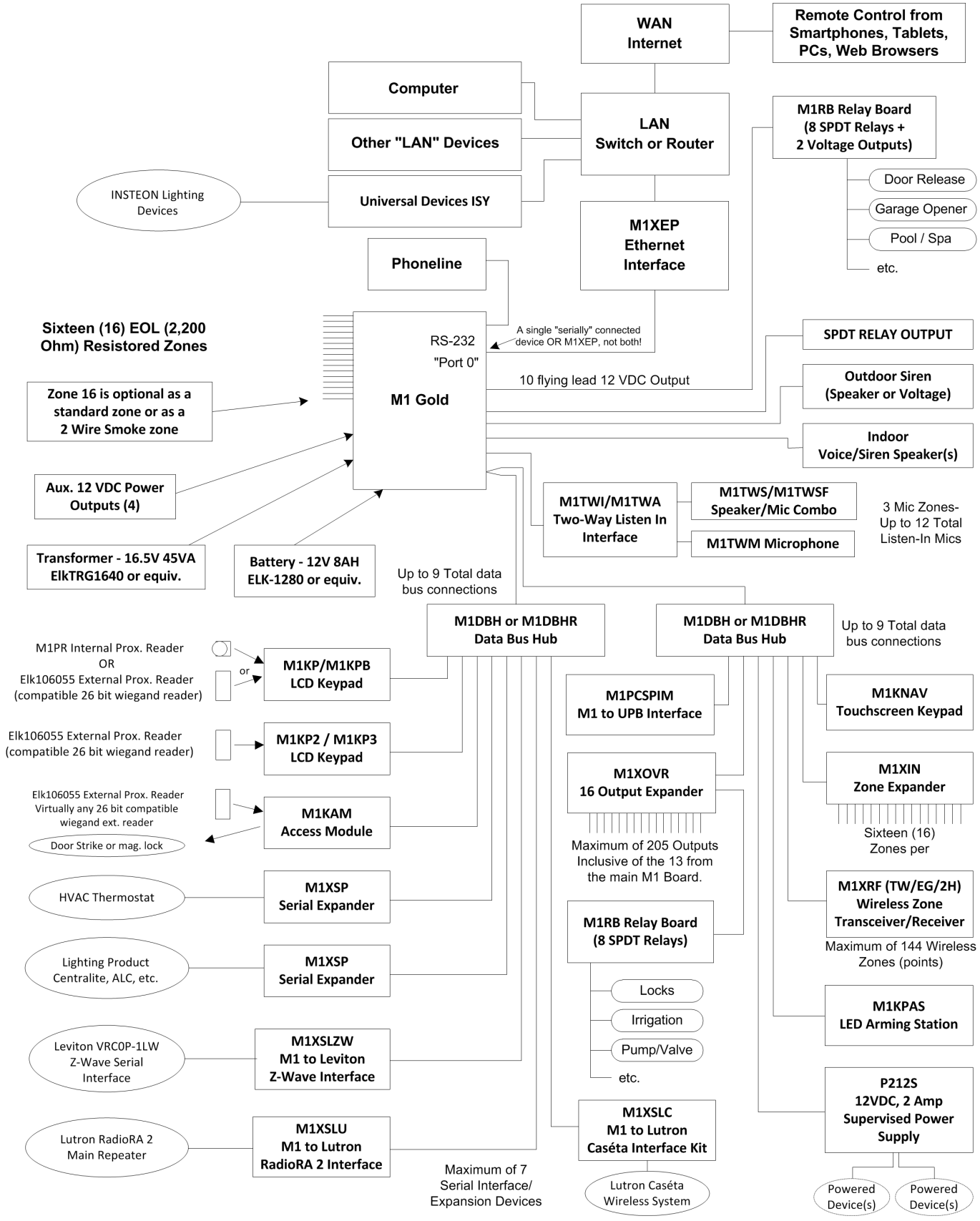
ELK-W018B

7 62158 55066 9

4-Pin Ribbon Cable

Used for connecting expanders and other peripherals to the M1 Gold Control.

- 4 pin keyed connector
- Approx. 18" long
- RoHS Compliant

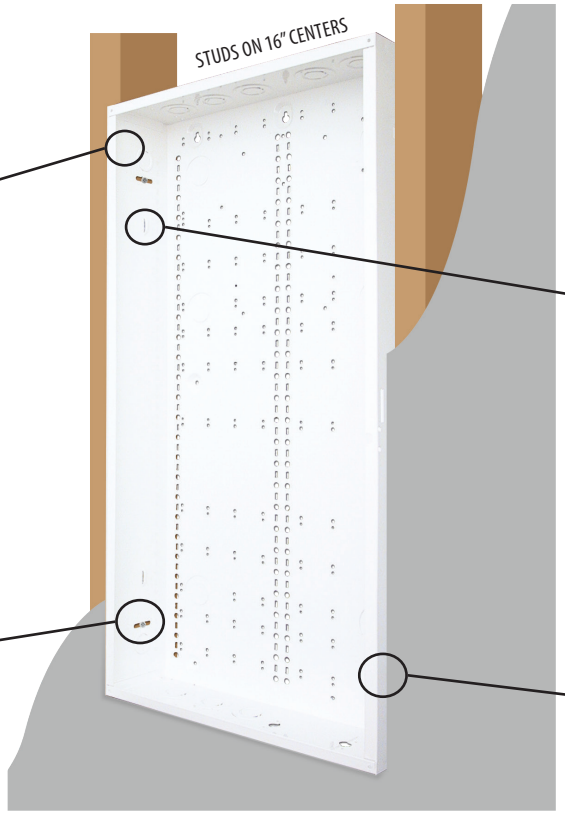


For product details, instructions on component installation, and integration partners, please visit www.elkproducts.com

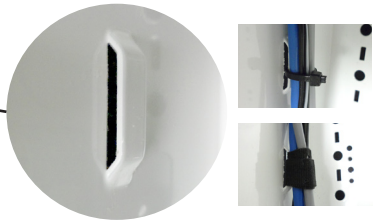
Structured Wiring

ELK Structured Wiring Enclosure Features and Installation Tips

Keyhole slots on side of enclosure simplify installation of hinged door

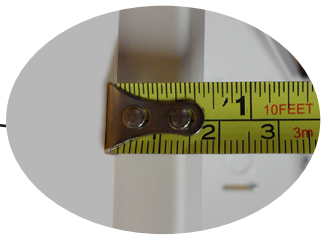


Organize wires with plastic wire ties or hook & loop strips attached to basket handles along sides of enclosure



Slots allow depth adjustment. Marks on sides assist with depth adjustments

Enclosure should stick out about ¾" from the finished wall to allow room for hinge



Conduit knockouts of various sizes are located on all sides and back of the enclosure. Remove desired knockouts prior to mounting.

ELK-SWB28

28" Structured Wiring Box

Multi-purpose flush or surface mount cabinet for structured wiring, controls, & peripherals

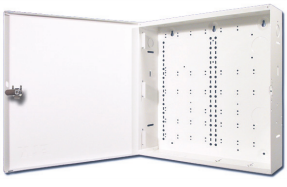
- Versatile mounting for multiple manufacturer's structured wiring modules; such as, Leviton, OnQ by Legrand,OpenHouse, and others
- Flush Mount, Heavy Duty, locking cover with camlock
- Color: Appliance White
- Knockout Sizes: 1/2", 3/4", and 1 1/4"
- 2" Electrical box knockout in bottom
- Size: 14.25" W x 28" H x 4.5" D
- UL Listed
- RoHS Compliant

7 62158 80015 3

ELK-SWFD28

- Replacement Door with Camlock for ELK-SWB28
- Door Size: 15.63" x 29.88" x .63"
- RoHS Compliant

7 62158 80018 4



ELK-SWB14

14" Structured Wiring Box

Multi-purpose, surface mount cabinet for structured wiring, controls, & peripherals

- Versatile mounting for multiple manufacturer's structured wiring modules; such as, Leviton, OnQ by Legrand,OpenHouse, and others
- Heavy Duty, Tab Hinged Door with Camlock (optional flush mount door available)
- 2" electrical box knockout in bottom
- Color: Appliance White
- Knockout Sizes: 1/2", 3/4", and 1 1/4"
- Size: 14.25" Square x 3.5"D
- UL Listed
- RoHS Compliant

7 62158 80014 6

ELK-SWG

Circuit Board Glides

For mounting ELK-M1 expansion boards or other manufacturer's boards into the Elk structured wiring enclosures

- Vertical Mounting
- Includes mounting screws
- Size: 2 7/8" D
- RoHS Compliant

A GREAT SPACE SAVING OPTION FOR MOUNTING M1 EXPANSION MODULES!

7 62158 80006 1

ELK-SWP3

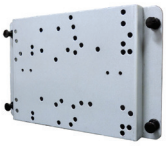
3" Multi-purpose Adapter Plate

Convenient, multi-purpose plate adapts peripherals, expansion boards, devices, etc. to fit Elk structured wiring enclosures

- Mounts into Elk structured wiring enclosures or on SWR rails
- Size: 6.5"W x 3" H x .5" D
- RoHS Compliant

ACCOMMODATES MANY M1 EXPANSION MODULES!

7 62158 81007 7



ELK-SWP4

4" Multi-purpose Adapter Plate

Ideal for most ELK circuit boards! Convenient, multi-purpose plate adapts peripherals, expansion boards, devices, etc. to fit Elk structured wiring enclosures

- Mounts into Elk structured wiring enclosures or on SWR rails
- Size: 6.44"W x 4" H x .5" D
- RoHS Compliant

OUR MOST VERSATILE MOUNTING PLATE!

7 62158 80008 5

Reference Guide for ELK Structured Wiring Mounting Accessories

Part Number	ELK-SWG	ELK-SWP3	ELK-SWP4
ELK-100	✓		✓
ELK-101			✓
ELK-110	✓	✓	✓
ELK-120		✓	✓
ELK-124			✓
ELK-129			✓
ELK-800			✓
ELK-930			✓
ELK-941	✓		✓
ELK-950			✓
ELK-951			✓
ELK-955			✓
ELK-960			✓
ELK-964B20			✓
ELK-965			✓
ELK-M1DBH		INCLUDED	
ELK-M1DBHR	INCLUDED		✓
ELK-M1EZ8MSI			✓
ELK-M1KAM	✓	✓	✓
ELK-M1RB	INCLUDED	✓	✓

Part Number	ELK-SWG	ELK-SWP3	ELK-SWP4
ELK-M1TWA			✓
ELK-M1TWI			✓
ELK-M1XEP	✓	✓	✓
ELK-M1XIN	INCLUDED	✓	✓
ELK-M1XOVR	INCLUDED	✓	✓
ELK-M1XSLU	✓		✓
ELK-M1XSLZW	✓		✓
ELK-M1XSP	✓	✓	✓
ELK-M1ZTS			✓
ELK-M1ZTSR			✓
ELK-MB485			✓
ELK-MM220			✓
ELK-MM443			✓
ELK-P1215			✓
ELK-P212S		INCLUDED	✓
ELK-P624			✓
ELK-PB1			✓
ELK-PD405P			✓
ELK-PD9	✓		✓
ELK-PD9HC	✓		✓

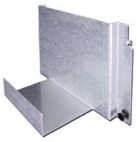
ELK-SWFD14

Flush Mount Door for ELK-SWB14

Turn the SWB14 into a flush mount enclosure! Can be adjusted for varying wall finish thickness and this locking, removable, hinged door extends beyond the box edges approx. 5/8", easily concealing uneven cutouts of the wallboard edges.

- Ideal for hollow frame walls with studs on 16" centers
- Size: 15.5"W x 15.8" H x .5" D
- RoHS Compliant

7 62158 80016 0



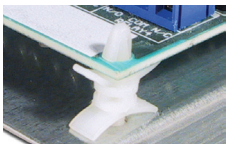
ELK-SWS

Battery Shelf

Holds up to an 8 Ah battery

- Mounts into the Elk structured wiring enclosures or onto the SWR rails
- Size: 6.25"W x 4.75" H x 3.25" D
- RoHS Compliant

7 62158 80009 2



ELK-SWNS1

Nylon Standoffs for Circuit Boards

For attaching ELK-M1 expansion boards or other manufacturer's boards onto the ELK-SWP3 or ELK-SWP4 plates

- Color: White
- 1/4" spacing, fits .156" hole
- Package of 10 standoffs
- RoHS Compliant

7 62158 80011 5

ELK-SWD1

Grommet Donuts

Pack of 2 grommet donuts for use in structured wire enclosures

- For use in 1.75" wire holes.
- Protects wires from nicks and scrapes
- Outside Hole Diameter: 1.75"
- Inside Hole Diameter: 1.25"
- Color: Black
- RoHS Compliant

7 62158 80012 2

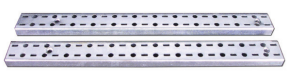
ELK-SWNSL

Snap Lock Rivets/Plungers

Replacement rivets/plungers for ELK-SWP and ELK-SWP3 plates and ELK-SWS battery shelf

- Color: Black
- Package of 10
- RoHS Compliant

7 62158 80013 9



ELK-SWR

Mounting Rails

A package of 2 universal rails to mount adapter plates and modules; such as, Telephone, CATV, or Network modules. Accommodates modules from Leviton, OnQ by Legrand, OpenHouse, and others.

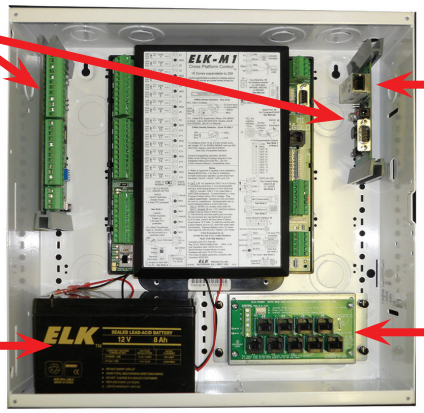
- Can be mounted to plywood or other manufacturer's structured wiring boxes
- RoHS Compliant
- Size: 1.125"W x 12.5" H x .375" D
- **Not required in Elk structured wiring enclosures**

7 62158 81008 4

Tips for Mounting M1 in ELK Structured Wiring Enclosures

M1 Gold In SWB14

Modules can be installed on left and right side of M1 Board using the ELK-SWG Glides.



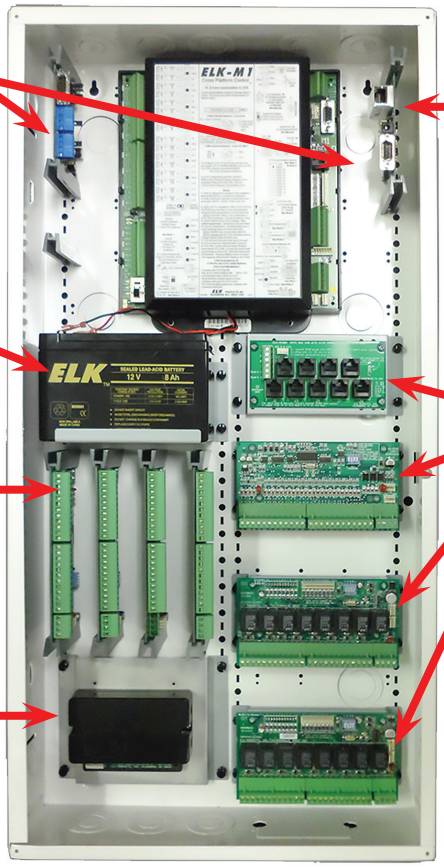
The right side of the M1 board is an ideal place to mount the C1M1 or M1XEP where it will be close to the on-board serial port.

The ELK-1280 battery fits just below the M1 board.

The ELK-SWP3 plate fits just below the M1 board.

M1 Gold In SWB28

Modules can be installed on left and right side of M1 Board using the ELK-SWG Glides.



The right side of the M1 board is an ideal place to mount the C1M1 or M1XEP where it will be close to the on-board serial port.

Use ELK-SWS shelf for ELK-1280 battery.

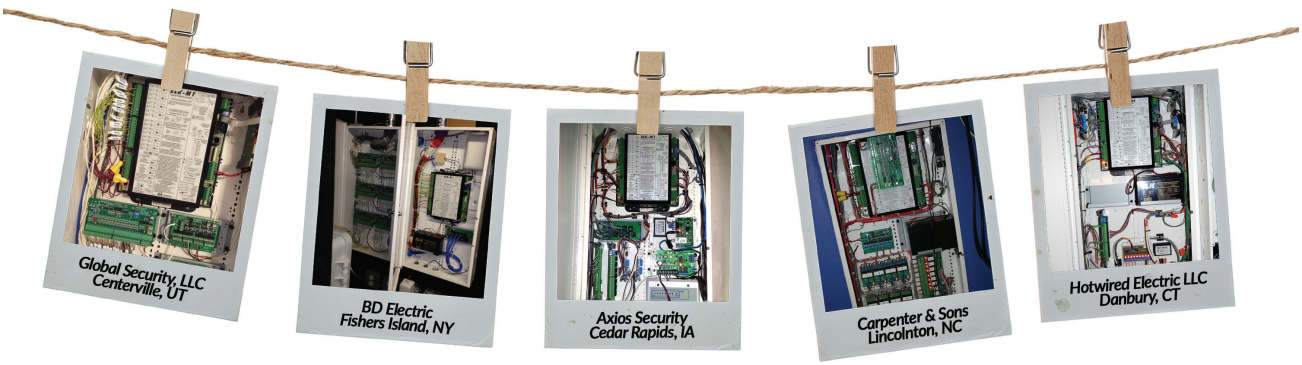
ELK-SWP3 multi-purpose plates can be used to mount many M1 modules.

Up to 7 additional modules can be mounted in bottom half of the enclosure using the ELK-SWG Glides.

The ELK-SWP4 multi-purpose plate can accommodate devices in housings or other larger components.

Check out our "Structured Wiring & M1" video on YouTube for more tips & tricks!

Check out these great examples submitted by installers!



WHEN YOU ARM AWAY, KEEP WATER AWAY!

Prevent water damage from leaks and broken pipes with ELK's water shutoff valve and M1 Control.

Universal Automation Accessories

ELK-WSV2

7 62158 55084 3

Water Shutoff Valve

The ELK-WSV2 is a new and improved model of our highly popular electric water shutoff valve. It is designed for residential and light commercial domestic water applications. Used in conjunction with a 12VDC controller, leak detection devices, or a simple manual push button, the WSV2 can easily and conveniently shut off the main water supply to the building.

- Rapid Action - Opening or Closing
- Manual control handle for power outages
- Integrates to Security or Automation Controller (e.g. M1 Gold or M1EZ8)
- Can be Integrated with a Manual Push Button or Wireless Receiver and Wireless Push Button
- Valve Direction/Water Flow Indication
- Overall Dimensions: 7.75" H, 4.5"W, 4" D
- Two (2) Year Warranty
- MADE IN USA
- Requires 12VDC Power Supply
- Current Draw: 800mA to1.5 Amp
- Actuating Speed: < 2 seconds
- Connections: 18 gauge, 4 conductor cord
- Full Port, 2-way Ball Valve
- Stainless Steel Grade 316
- 1" NPT threaded pipe connections
- NSF 61 Approved for Drinking Water
- NEMA 6P & 7D Enclosure
- RoHS Compliant

ELK-930

7 62158 00930 3

Doorbell & Telephone Ring Detector

Detects doorbell and/or telephone ring to trigger automation events.

- Snap apart board includes: (2) doorbell sensors and (1) phone sensor
- Double Sided Foam Mounting Tape Included
- Packaged in Reusable Poly Storage Box
- *Lifetime Limited Warranty*
- Max Doorbell Input: 24 Volts AC Nominal
- Doorbell Detection Current: 900mA minimum
- Max Output: 40mA @ 12 Volts DC
- Size 3.4" x 2.75" x .625"

ELK-9200

7 62158 09200 8

Heavy Duty Relay/Contactor

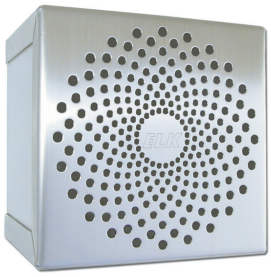
Designed for remotely controlling high current devices. The relay coil is pre-wired with a three (3) prong plug-in cord. This plug is compatible with virtually any appliance style automation module (purchased separately) including: UPB, Insteon, ZWave, Zigbee, X10, etc. A simple remote command can be sent to activate the automation module, which activates the ELK-9200 relay, permitting the safe and easy On/Off switching of a 110VAC or 220VAC device drawing up to 30 Amps of total electrical current.

- Pre-Wired Terminal Lugs for easy Installation
- 110 VAC Plug Cord for Energizing Relay Coil
- Heavy Duty "Lockable" Metal Enclosure
- Relay Suitable for a 110 VAC or 220 VAC Load
- Ideal for Water Heaters, Motors, Gates, Pumps, etc.
- *Lifetime Limited Warranty*
- Operating Coil Voltage: 110 VAC
- Coil Current Draw: < 35 mA
- Two Pole Relay Contacts rated for 30 Amps AC (combined maximum of 30 Amp total current)
- Metal Enclosure Size: 12" x 12" x 3.375"
- Color: White
- Not suitable for wet locations
- RoHS Compliant

Stainless Steel Enclosed Speakers/Sirens

ELK's 1RT speaker and 150RT siren provide a rugged quality, tamper and corrosion resistant enclosure perfect for all jobs. With their compact design and stainless steel construction, these speakers and sirens naturally reflect the mounting surface, blending easily into the surroundings. Great for harsh environments.

- Corrosion resistant stainless steel enclosure
- Compact, yet super loud
- Heavy duty magnet and mylar cone
- Matching strobe (ELK-SL1) in 4 colors
- Exterior or interior use
- RoHS Compliant
- Tamper resistant
- Anti-foam and insect screen
- Size: 5"W x 5" H x 4" D
- 304 Stainless Steel with stainless hardware
- *Lifetime Limited Warranty*



ELK-1RT
Speaker & Stainless Steel Enclosure

- Clear Voice & Sound Reproduction
- High Fidelity voice coil
- Impedance: 8 Ohms
- Rating: 30 Watts Nominal / 50 Watts Peak
- Frequency Response: 500 to 7000 Hz
- Heavy duty magnet

7 62158 00001 0

ELK-150RT
Siren & Stainless Steel Enclosure

- Works well with any control to produce separate sounds (ComboTrigger™) for fire and burglar from a single pulsing output
- Output: 118 db @ 1 meter, 13.8VDC
- Operating Voltage: 6 to 14 Volts DC
- Current Draw: 1.2 Amps @ 13.8VDC

7 62158 00150 5

Strobes

ELK-SL1C mounted to ELK-1RT

Strobe for Stainless Speaker/Siren

A weather resistant, indoor/outdoor strobe light. Adds visual indication for alarms, warnings, hearing impaired applications, etc. Attaches easily to ELK's stainless steel units (ELK-1RT & ELK-150RT) or to wall using ELK-WK1. Features simple 12VDC two wire hookup, low current draw, and compatibility with most control panels.

- Interior or exterior use
- Can work with pulsing alarm outputs
- Fits ELK Stainless Speaker/Sirens
- May be wall mounted (see ELK-WK1)
- Easy to Install, simple 2 Wire Hookup
- *Lifetime Limited Warranty*
- RoHS Compliant
- Durable Polycarbonate Construction
- Colors: Clear, Red, Blue, or Amber
- Operating Voltage: 12 Volts DC
- Current draw: 210mA
- Flash Rate: Approx. 1 Flash per second
- Size: 4.875" x 3.875" x 1.125"

ELK-SL1A
Amber Strobe

7 62158 91002 9

ELK-SL1B
Blue Strobe

7 62158 91003 6

ELK-SL1C
Clear Strobe

7 62158 91001 2

ELK-SL1R
Red Strobe

7 62158 91004 3

ELK-WK1

Wall Mount Kit for ELK-SL1 Strobe Light

Aesthetically pleasing cover allows mounting of ELK-SL1 directly to wall surfaces.

- Attractive cover
- Indoor/Outdoor
- Durable ABS Plastic
- Easy to Install
- RoHS Compliant
- Color: White
- Mounting Hardware Included
- Size: 5.125" x 2.625" x 1.375"
- *Lifetime Limited Warranty*

7 62158 91005 0

Echo™ Paintable Speakers/Sirens

The versatile Echo™ Series speakers and sirens are designed to be heard but not seen! Sound "echoes" off mounting surface from back plate edge. The unique contemporary design has a smooth, paintable, "no grill" surface that easily blends with any decor.

- May be painted or wallpapered to please the most discerning decorator
- Mounts to any flat surface or single gang electrical box
- Interior use only
- RoHS Compliant
- Color: White
- Mounting Hardware Included
- *Lifetime Limited Warranty*

ELK-70
Echo™ Speaker
- Interior Speaker
- Great for Voice and Sounds
- Impedance: 8 Ohms
- Rating: 20 Watts Nominal
- Frequency Response: 500 to 7000 Hz
- Size: 4.375" H x 6.375"W x 1.875" D

7 62158 00070 6

ELK-71
Echo™ Siren
- Interior Alarm Siren with Yelp and Steady Tones
- Operating Voltage: 6 - 14 Volts DC
- Sound Level: 100 db @ 1 Meter, 13.8VDC
- Current Draw: 480mA @ 13.8VDC
- Size: 4.375" H x 6.375"W x 1.875" D

7 62158 00071 3

ELK-73
Compact Echo™ Speaker
- Small, Interior Speaker
- Great for Voice and Sounds
- Impedance: 8 Ohms
- Rating: 20 Watts Nominal
- Frequency Response: 500 to 7000 Hz
- Size: 4.56" H x 4.3"W x 1.875" D

7 62158 00073 7

ELK-74
Compact Echo™ Siren
- Small, Interior Alarm Siren with Yelp and Steady Tones
- Operating Voltage: 6 - 14 Volts DC
- Sound Level: 100 db @ 1 meter, 13.8VDC
- Current draw: 480mA @ 13.8VDC
- Size: 4.56" H x 4.3"W x 1.875" D

7 62158 00074 4

Interior Speakers/Sirens

ELK-SP12F

Flush Mount Speaker
Flush mount speaker features compact, low profile design. Wall plate size allows unit to be unnoticed at outlet height. 32 ohm impedance allows multiple speakers to be wired in parallel, while maintaining an overall load rating that is acceptable for most control panels.

- Ideal for alarm or voice applications
- Fits single gang electrical boxes
- *Lifetime Limited Warranty*
- RoHS Compliant
- Impedance: 32 Ohms
- Rating: 12 Watts
- Size: 4.81" x 3.13" x 1.44"

7 62158 00012 6

- Compact
- Easy To Mount
- Interior use only
- Color: White
- Hardware Included
- *Lifetime Limited Warranty*
- RoHS Compliant

ELK-SP35
20 Watt Interior Speaker
- Multi-purpose Interior Speaker
- Great for voice or sounds
- Impedance: 8 Ohms
- Rating: 20 Watts Nominal
- Frequency Response: 250 to 8000 Hz
- Size: 4.25" H x 4.25"W x 2.13" D

7 62158 00035 5

ELK-SS36
Two Tone Interior Siren
- Self-Contained, Interior Alarm Siren
- Two Input Channels - Steady & Yelp
- Output: 108 db @ 1 meter, 13.8VDC
- Operating Voltage: 12 Volts DC
- Current draw: 500mA @ 13.8VDC
- Size: 4.25" H x 4.25"W x 2.13" D
- UL Listed

7 62158 00036 2

Multi-Purpose Speakers/Sirens

- Rugged, Compact
- Easy To Mount
- Interior or Exterior use
- Color: Black
- Size: 4" H x 4"W x 3.5" D
- *Lifetime Limited Warranty*
- RoHS Compliant

ELK-44
30 Watt Speaker

- Ideal for Alarm Systems or Paging
- Loud - Rivals Sound of Larger Speakers
- Heavy duty magnet and mylar cone
- High Fidelity Voice Coil
- Impedance: 8 Ohms
- Rating: 30 Watts Nominal / 50 Watts Peak
- Frequency Response: 500 to 7000 Hz

7 62158 00044 7

ELK-45
Loud, Self Contained Siren

- ComboTrigger™ Produces two distinct tones from single pulsing alarm outputs
- Output: 118 db @ 1 meter, 13.8VDC
- Operating Voltage: 6 to 14 Volts DC
- Current Draw: 1.2 Amps @ 13.8VDC

7 62158 00045 4

ELK-M120

Compact, Dual Tone Siren

Self-contained, exterior alarm siren. Small size makes it ideal for tight spaces.

- Yelping or Steady Siren Sound
- Easy To Mount
- Interior or Exterior use
- *Lifetime Limited Warranty*
- RoHS Compliant
- Output: 110 db @ 1 meter, 13.8VDC
- Color: White
- Operating Voltage: 12 Volts DC
- Current draw: 500mA @ 13.8VDC
- Size: 3.25" x 4" x 4" diameter

7 62158 10120 5

- Easy To Mount
- Interior or Exterior use
- Color: White
- Size: 5.25" x 6"
- *Lifetime Limited Warranty*
- RoHS Compliant

ELK-SP15
15 Watt Speaker

- Multi-purpose, horn speaker
- Impedance: 8 Ohms
- Rating: 15 Watts Nominal
- Frequency Response: 500 to 7000 Hz

7 62158 00015 7

ELK-SS15
Two Tone Siren

- Self-contained, exterior alarm siren
- Two Tones - Yelp & Steady
- Output: 115 db @ 1 meter, 13.8VDC
- Operating Voltage: 12 Volts DC
- Current Draw: 550mA @ 13.8VDC
- UL Listed

7 62158 10015 4

- Easy To Mount
- Interior or Exterior use
- Color: White
- Size: 6" x 8" x 9.5"
- *Lifetime Limited Warranty*
- RoHS Compliant

ELK-SP30
30 Watt Speaker

- Multi-purpose horn speaker
- Great for voice or sounds
- Ideal for Alarm Systems or Paging
- High Fidelity Voice Coil
- Impedance: 8 Ohms
- Rating: 30 Watts Nominal
- Frequency Response: 500 to 7000 Hz

7 62158 00030 0

ELK-SS30
Two Tone Siren

- Self-contained, exterior alarm siren
- Two Tones,Yelp & Steady
- Output: 122 db @ 1 meter, 13.8VDC
- Operating Voltage: 12 Volts DC
- Current draw: 1000mA @ 13.8VDC
- UL Listed

7 62158 10030 7

ELK-SP40

40 Watt Speaker

Heavy duty, horn speaker when maximum volume and clarity are a must. Great for voice or sounds!

- Ideal for Alarm Systems or Paging
- Tamper Loop
- Interior or exterior use
- High Fidelity Voice Coil
- *Lifetime Limited Warranty*
- RoHS Compliant
- Impedance: 8 Ohms
- Rating: 40 Watts Nominal
- Frequency Response: 250 to 8000 Hz
- Color: White
- Size: 11" x 6.5" x 8.5" deep

7 62158 00040 9

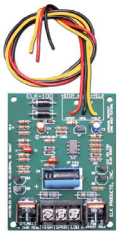
Siren, Voice, & Recordable Drivers

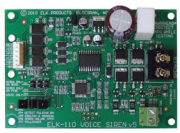
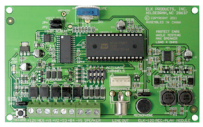
In traditional alarm applications, a siren driver broadcasts a warning sound to ward off intruders or alert the property owner to an intrusion or fire. Adding voice to the siren driver allows you to broadcast a clear, concise message that eliminates the guesswork for small children, the elderly, and the rest of us to clarify the sound. Step up to a recordable driver and expand your market to those needing messages for: sales promotions, greetings, alerts, industrial broadcast, gate access, museum exhibit information, amusement park sounds, and more.

What makes ELK drivers different?

Each ELK driver provides compatibility with virtually any control panel while offering volume and current draw options. The ELK-120 and ELK-124 feature both a traditional speaker output and a RCA line level output for interfacing with amplified systems such as paging, intercoms, or nurse call.

ALL ELK SIREN DRIVERS FEATURE LIFETIME LIMITED WARRANTY!



	ELK-100	ELK-101	ELK-110	ELK-120	ELK-124
Siren Sounds	✓ Yelp, Steady, Slow Sweep	✓ Yelp, Steady	✓ Yelp (Burg), Temporal Coded Tones (Fire & CO)	✓ Preloaded Yelp, Industrial Horn & Temporal Coded Tone (Fire)	✓ No Preloaded Sounds
Voice Capability	✗ No Voice	✗ No Voice	✓ Burg, Fire, and CO Voice Messages	✓ Preloaded Burg & Fire Messages	✓ No Preloaded Messages
Recordable	✗ NO	✗ NO	✗ NO	✓ YES 4 Channels	✓ YES 8 Channels
Connections	Flying Leads	Screw Terminals	Plug-In Harness	Screw Terminals	Screw Terminals
Sound Level	120 dB @ 1 meter	112 dB @ 1 meter	122 dB @ 1 meter	122 dB @ 1 meter	122 dB @ 1 meter
Volume Settings	Two Levels (High/Low)	None	VolumeStep™ (slowly increases siren volume)	Adjustable Volume	Adjustable Volume
Current Draw (Min /Max)	700mA / 1.2 Amps	305mA / 950mA	800mA / 1.25Amps	200mA / 2 Amps	200mA / 2 Amps
Operating Voltage	6-14 VDC	6-14 VDC	10-14 VDC	11-14 VDC	11-14 VDC
Dimensions	2.75" x 3.6" x 1"	1.9" x 2.3" x .7"	2.75" x 4.0" x 1.13"	3" x 5" x .8"	4.38" x 6.5" x 2" (enclosure)
Lifetime Limited Warranty	✓ YES	✓ YES	✓ YES	✓ YES	✓ YES

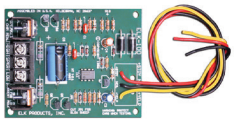
ELK-129

7 62158 00129 1

PC Sound Card Interface for Recordable Drivers

This interface allows you to download Audio .Wav files from your computer to ELK's recordable modules.

- Program ELK's recordable modules from PC
- Audio Jacks: Computer in and speaker out
- Includes: 6 Ft. audio cable, ribbon interface cable, and CD-ROM with software
- *Lifetime Limited Warranty*
- Software requires MS Windows 95 or higher
- PC requirements: Stereo speaker output jack or Sound Card and speakers
- Input Power Required for programming ELK-120 or ELK-124: 12 VAC, 20VA Transformer (not included)

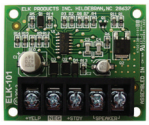


ELK-100

High Performance Siren Driver

Great for residential or commercial alarm installations, the ELK-100 draws less current than many siren drivers. It offers 2 volume levels simultaneously, allowing exterior sound to be louder than interior.

- Two Volume Levels
- 3 sound options: Steady, Yelp, and Slow Sweep
- MilliMiser™ Lowers Current Draw
- ComboTrigger™ for Controls with Single Alarm Outputs
- Pre-Wired for easy installation
- *Lifetime Limited Warranty*
- Output: 120 db @ 1 meter, 13.8VDC OR 109 dB on MilliMiser™ setting
- Speaker Load: 8 Ohm Nom., 4 Ohm Min.
- Operating Voltage: 6 to 14 Volts DC
- Current Draw: 1.2 Amps @ 13.8VDC, (700 mA on MilliMiser™setting)
- Size: 2.75" x 3.6" D
- RoHS Compliant



ELK-101

Two Channel Siren Driver

The ELK-101 is a two channel (Yelp and Steady) siren driver. It is capable of delivering high output volume while consuming very low current draw. It can be powered from 6 or 12 VDC and is compatible with a wide variety of alarm panels.

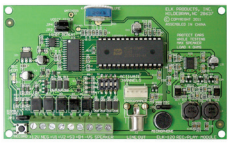
- Two channel operation, steady and yelp sounds
- Steady overrides yelp if both are triggered
- High volume output
- Very low current draw
- Terminal blocks for easy hookup
- *Lifetime Limited Warranty*
- Reverse polarity protection
- Output: 112 db @ 1 meter, 13.8VDC
- Speaker Load: 8 Ohm Nom., 4 Ohm Min.
- Operating Voltage: 6 or 12 Volts DC
- Current Draw: 305mA to 950mA
- Size: 1.9”H x 2.3”W x .7”D
- RoHS Compliant

ELK-110

CO, Burg & Fire Voice Siren Driver with Temporal Codes

Now Featuring Carbon Monoxide Input Channel! The ELK-110 is ideal for residential and commercial alarm applications. It combines the advantages of high quality voice messages with conventional siren and temporal code tone sounds. It features 3 input channels, bilingual voice messages, and many unique options.

- Three Input Channels, Burglar, Fire, and CO
- Siren only, Voice only, or combined
- Bilingual Voice - English and/or Spanish
- Temporal Coded Tones - ANSI standard Audible Emergency Evacuation Signaling
- Speaker Trouble Supervision
- *Lifetime Limited Warranty*
- Nom. Operating Voltage: 10-14 Volts DC
- Nom. Current Draw: 1.25 Amps (8 Ohm Spkr)
- MilliMiser™ Current Draw 800 mA
- Min. Low Current Trigger: 10.5VDC
- Sound Level: 122 db @1 meter
- Freq. Temporal 3=800Hz, Temporal 4=1000Hz
- Maximum Speaker Loading: 4 Ohms
- Size: 2.75” X 4.0” (70mm X 102mm)
- RoHS Compliant



ELK-120

Recordable Voice and Siren Driver with Temporal Code

This unique driver can be utilized as 4 voice recordable channels or 2 siren channels and 2 voice channels. Recording is easy using on-board microphone or .wav file download from a PC using ELK-129.

- Up to 4 messages, or 2 voice + 2 siren
- On-board microphone
- 24 W Audio Amplifier with volume control
- One shot & repeat modes of playback
- Line level and speaker outputs
- Momentary/maintained “+” triggering
- Connector for PC sound card interface, ELK-129
- *Lifetime Limited Warranty*
- Sounds: Classic Yelp Siren,Temporal Coded Horn, and Steady Industrial Horn
- Maximum record time: 8 minutes
- Speaker Load: 8 Ohm Nom., 4 Ohm Min.
- Output: 120 db @ 1 meter, 13.8VDC
- Operating Voltage: 11 to 14 Volts DC
- Current Draw: 200 mA Nom., 2 A Max.
- Size: 3” x 5” x 1.25”
- RoHS Compliant

ELK-124

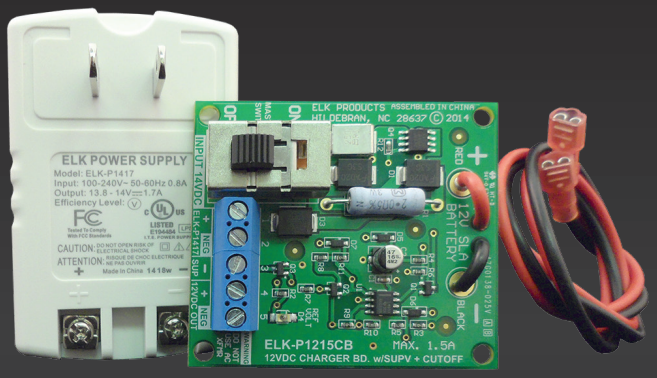
Recordable Voice Annunciator

Applications are endless with this versatile unit. It allows up to 8 custom announcements which can be related to security, access control, museum narratives, amusement sounds/messages, on-hold messages for phone systems, equipment warnings, etc.

- Up to 8 messages
- On-board microphone
- 24 W Audio Amplifier with volume control
- One shot & repeat modes of playback
- Line level and speaker outputs
- Momentary/maintained "+" or "-" triggering
- Connector for PC sound card interface, ELK-129
- *Lifetime Limited Warranty*
- Maximum record time: 8 minutes
- Speaker Load: 8 Ohm Nom., 4 Ohm Min.
- Output: 120 db @ 1 meter, 13.8VDC
- Operating Voltage: 11 to 14 Volts DC
- Current Draw: 200 mA Nom., 2 A Max.
- Enclosure Size: 4.375” x 6.5” x 2”
- RoHS Compliant

Reliable Power

for a variety of applications!



Power Supply & Battery Charger

Master Power Switch
Turns On/Off DC Input & Battery

Low Battery Supervision
and Deep Discharge Cutoff Protection

Power Supplies

POWER SUPPLY/BATTERY CHARGER KITS

Multi-purpose power supplies for security, access control, cameras, etc. Provides up to 1.5 amps of current at 12VDC (nominal). These power supplies feature low battery supervision output with built in low battery cutoff and master power switch.

ELK-P1215K

- Auto-Resetting Overload Protection
- Built-In Battery Charging Circuit
- Low Battery Trouble Output
- Low Battery Deep Discharge Cutoff Protection
- Master Power Switch
- RoHS Compliant
- ***Lifetime Limited Warranty***

- Power Supply Input: 14 Volts DC provided by ELK-P1417
- Continuous Output Current: 1.5 Amps
- Low Battery Trouble: 11 Volts (nominal)
- Low Battery Cutoff: 9 Volts (nominal)
- PC Board Size: 2.25" X 2.5"
- Battery Charging Capacity: 1 to 12 Ah

ELK-P1215
12VDC Power Supply & Charger

- Intelligent Charger Board
- 14VDC Plug-in Power Supply (ELK-P1417)

7 62158 01418 5

ELK-P1215K
12VDC Power Supply & Charger with Battery

- Intelligent Charger Board
- 14VDC Plug-in Power Supply (ELK-P1417)
- 12V, 5 Ah Battery (ELK-1250)

7 62158 01419 2

ELK-P1417

7 62158 01417 8

Plug-in DC Power Supply
All purpose 14 Volt DC Plug-In Switching Power Supply ideal for alarm, access control, and CCTV applications. It plugs into a 120 Volt AC outlet and supplies 1.7 Amps.

- UL Listed for US and Canada
- RoHS compliant (RoHS2-2011/65/EU)
- Compliant with Energy Star EISA Level V
- Screw terminals for DC output
- Includes optional receptacle mounting bracket
- ***Lifetime Limited Warranty***

- DC Output Voltage: 13.8 to 14 Volts DC
- Current Rating: 1.7 Amps
- Color: White
- Size with mounting bracket: 3.07" x 2.83" x 1.5"

CANNED POWER SUPPLIES

Multi-purpose power supplies with metal enclosure for security, CCTV, access control, cellular backup, etc.

- Auto Resetting (PTC) Overload Protection
- Visual AC & DC Power Indicators
- AC & DC Surge Suppression
- Built-In Battery Charging Circuit: 1.2Ah to 10 Ah Capacity
- Color: White
- Heavy Duty Metal Enclosure with camlock
- Size: 12"W x 12"H x 3.5"D
- RoHS Compliant
- *Lifetime Limited Warranty*

ELK-P112K

ELK-P112

12VDC Power Supply & Battery Charger in Can

- Continuous Current Rating: 1 Amp
- Includes ELK-TRG1640 Transformer

7 62158 00112 3

ELK-P124

24VDC Power Supply & Battery Charger in Can

- Continuous Current Rating: 800 mA
- Includes ELK-TRG2440 Transformer

7 62158 10124 3

ELK-P112K

12VDC Power Supply & Battery Charger in Can with battery

- ELK-P112 kit with 12 V, 5Ah battery

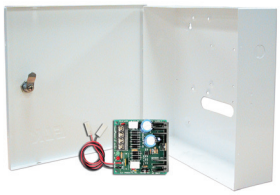
7 62158 10112 0

ELK-P124K

24VDC Power Supply & Battery Charger in Can with batteries

- ELK-P124 kit with two 12 V, 5Ah batteries

7 62158 20124 0

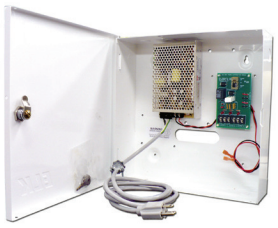


7 62158 00983 9

ELK-P983

12VDC Power Supply & Battery Charger in Can

- Ideal for use with cellular radio transceivers
- Special knockout for antenna
- Ample room in enclosure for up to two (2) 7 or 8Ah Rechargeable Batteries (not supplied)
- Supplies 12 Volts DC Power
- Current: 2.5A Peak, 1A Continuous
- Requires a 16.5 VAC, 45 VA Transformer (not supplied)
- RoHS Compliant



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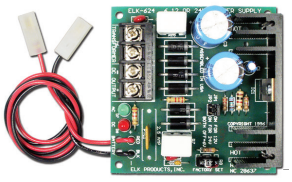
ELK-P412

4 Amp, 12VDC Power Supply & Battery Charger in Can

- Three (3) PTC Protected Power Outputs
- Master Power On/Off Switch
- Visual Power Indicators
- Switching Power Supply, no transformer needed
- Built-In Battery Charging Circuit
- RoHS Compliant
- Regulated Output Voltage: 13.8 Volts DC
- Continuous Current Rating: 4 Amps
- AC Input Voltage Range: 120 VAC @ 47-63Hz
- Built-in Low Battery Cutoff: ≈ 10 Volts
- Battery Recharging Capacity: 1.2Ah to 10 Ah



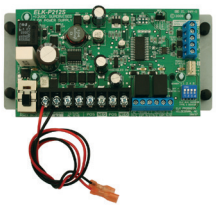
ELK-P624

7 62158 00624 1

6, 12, or 24VDC Power Supply Board

Trouble-free, general-purpose power supply/charger ideal for alarm, access control, and CCTV applications. Features auto-resetting "fuseless" overload protection which eliminates costly service calls to replace blown fuses.

- Auto-Resetting "fuseless" overload protection
- Selectable 6, 12, or 24VDC Output
- Visual AC & DC Power Indicators
- Built-in Surge Suppression
- Battery Charging Circuit
- Size: 3"W x 3"H x 1"D
- *Lifetime Limited Warranty*
- RoHS Compliant
- Output Current:
  - 1.2 Amps @ 6V
  - 1 Amp @ 12V
  - .8 Amps @ 24V
- Input Transformer Requirements:
  - 6V operation: 12 VAC Transformer
  - 12V operation: 16.5 VAC (TRG1640)
  - 24V operation: 24 VAC (TRG2440)



ELK-P212S

7 62158 10212 7

Supervised Remote Power Supply

The ELK-P212S is a Supervised Remote Power Supply / Battery Charger, providing 12 VDC output with up to 2 Amps of total current. It supervises the AC Power Input as well as the rechargeable Battery, and can report abnormal conditions back to an ELK-M1 Control over the RS-485 four (4) wire data bus. It also features relay outputs for AC and Low Battery to allow "stand-alone" operation with other controls.

- M1 Control allows:
  - Remote power reset of powered peripherals
  - Data-bus supervision of AC and Battery status
- Stand-alone flexibility
  - Two (2) sets of DC outputs
  - On-board relay to supervise battery status
  - On-board relay to supervise AC status
- Master AC and Battery ON / OFF Power Switch
- Visual AC Power Indicator
- RoHS Compliant
- AC Input: 16.5VAC, 45VA (TRG1640 or equiv.)
- DC Output Voltage: 13.8 Volts DC +/- 5%
- Current Rating: 2.0 Amps
- Wattage: 30 Watts
- DC Output Protection: Auto Resetting PTC
- Rechargeable Battery Size: Max. 12 Ah
- Low Battery Cutoff Threshold: ~10 Volts.
- Size: 5.5" x 3.25" x 1.25"-
- Two (2) year warranty

ELK-P1216

7 62158 01216 7

Plug-in Switching DC Power Supply

All purpose 12 Volt DC Plug-In Switching Power Supply ideal for alarm, access control, and CCTV applications. It plugs into a 120 Volt AC outlet and supplies 1.5 Amps of regulated 12VDC.

- Computer Grade Switching Power Supply
- Regulated 12VDC Output
- Slimline Design
- UL Listed
- RoHS Compliant
- Efficiency Level: V
- *Lifetime Limited Warranty*
- DC Output Voltage: 12 Volts DC
- Current Rating: 1.5 Amps
- Six foot cord and 2.1mm x 5.5mm x 9mm Power Plug (center positive)
- Color: Black
- Size: 3"H x 2"W x 1.75"D

POWER SUPPLY FEATURE COMPARISON

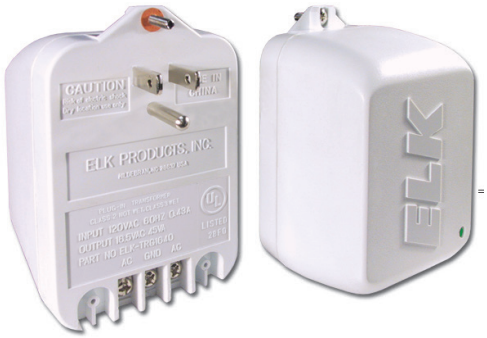
	ELK-P112	ELK-P124	ELK-P983	ELK-P624	ELK-P412	ELK-P1215	ELK-P1417	ELK-P212S	ELK-P1216
Voltage	12 VDC	24 VDC	12 VDC	6, 12, or 24 VDC	12 VDC	12 VDC	14 VDC	12VDC	12VDC
Current	1 A	800 mA	2.5 A Peak, 1 A Continuous	1.2 A @ 6V 1 A @ 12V 800mA @ 24V	4 A	1.5 A	1.7 A	2 A	1.5 A
Supervision	✗ NO	✗ NO	✗ NO	✗ NO	✗ NO	✓ Low Battery	✗ NO	✓ AC Failure & Low Battery	✗ NO
On/Off Switch	✗ NO	✗ NO	✗ NO	✗ NO	✓ YES	✓ YES	✗ NO	✓ YES	✗ NO
Required Transformer	ELK-TRG1640 (Included)	ELK-TRG2440 (Included)	16.5VAC, 45VA Transformer (not included)	6V: 12VAC Transformer 12V: 16.5VAC (TRG1640) 24V: 24VAC (TRG2440)	Includes 6ft. AC Power Cord	P1417 (Included)	N/A	ELK-TRG1640 (not included)	N/A
Battery Charging Capacity	1.2Ah to 10Ah	1.2Ah to 10Ah	1.2Ah to 10Ah	1.2Ah to 10Ah	1.2Ah to 10Ah	1 to 12 Ah	N/A	1 to 12 Ah	N/A
Enclosure Included	✓ YES	✓ YES	✓ YES	✗ NO	✓ YES	✗ NO	✗ NO	✗ NO	✗ NO
Kit Available with 5Ah Battery	✓ YES ELK-P112K*	✓ YES ELK-P124K*	✗ NO	✗ NO	✗ NO	✓ YES ELK-P1215K*	✗ NO	✗ NO	✗ NO
Lifetime Limited Warranty	✓ YES	✓ YES	✓ YES	✓ YES	✓ YES	✓ YES	✓ YES	✗ NO 2-Year Warranty	✓ YES

*Batteries in kits carry 2 year warranty. Other component carry lifetime limited warranty.

Auto-Resetting Transformers

Auto-resetting, lifetime warranted transformers with grounding prong and grounding screw terminal. Step down transformer for low voltage systems, such as Access Control, Security, & CCTV.

- Green Power On LED
- Wire Strain Relief
- Auto-Resetting (PTC) Fused Secondary
- Grounding Prong & Terminal
- Electrical outlet mounting tab
- Color: White
- Size: 4.14" H x 2.74"W x 2.2" D
- RoHS Compliant
- UL Listed
- *Lifetime Limited Warranty*



ELK-TRG1640

16.5 VAC, 45 VA Auto Resetting Transformer

- Input Voltage: 120 VAC, 60Hz, .43W
- Output Voltage: 16.5 Volts AC
- Output Power: 45 VA

7 62158 11640 7

ELK-TRG2440

24VAC, 40 VA Auto Resetting Transformer

- Input Voltage: 120 VAC, 60Hz, .43W
- Output Voltage: 24 Volts AC
- Output Power: 40 VA

7 62158 12440 2

Power Distribution Units

These convenient modules distribute power from a single AC or DC source to up to 9 outputs for centrally powering cameras, PIR's, photobeams, etc.

- Terminal blocks & 2.1mm DC power jack for power connection
- Auto-resetting PTCs help prevent a shorted output from disabling the other outputs
- Master Power On/Off Switch
- Visual LED Power Indicators on each Output
- Convenient Test Points for measuring Total Current Draw
- Outputs may be paralleled to increase max current draw from each output
- Requires a 6 to 30 volt AC or DC power source (not included)
- Color: White
- Size: 6.5" x 4.3" x 2"
- RoHS Compliant
- *Lifetime Limited Warranty*

ELK-PD9

- Max current draw: 250mA from each output
- Max combined current draw: Not to exceed input Power Source or 2.3A

7 62158 00009 6

ELK-PD9HC

- Max current draw: 400mA from each output
- Max Combined Current Draw: Not to exceed input power source or 3.6A

7 62158 30009 7

ELK-PD405P

7 62158 10005 5

Camera Power Distribution Module

Conveniently distributes a single 12 to 24 VDC power source input into four (4) outputs for centrally powering IP/Video Cameras, PIRs, Photobeams, etc. A fifth (5th) output provides either a 5 or 9 VDC output. Outputs 1 to 4 are protected with auto reset PTC circuit protectors at 300 mA ea. Output 5 is protected with a 500 mA PTC.

- Auto-Resetting (PTC) Overload Protection (NO FUSES to REPLACE)
- Master Power On/Off Switch
- Visual LED Power Indicators on each output
- Size: 6.5" x 4.3" x 2"
- RoHS Compliant
- *Lifetime Limited Warranty*
- Current Draw: Outputs 1 - 4 = Max. 300 mA each, Output 5 = Max. 500 mA (5VDC setting)
- Input/Output Voltage: 12 to 24 Volts DC
- Input Connection: Screw Terminals or 2.1mm Plug-In DC Jack
- Output Connection: Screw Terminals (POS and NEG) for each Output

Sealed Lead Acid Batteries

Choose ELK Batteries with a 2 Year Over-the-Counter Warranty

RECHARGEABLE BATTERIES

Premium Quality, Sealed Lead Acid Batteries with 2 Year Over-the-Counter Warranty

- Rechargeable
- All virgin materials for long life
- More lead for greater Ah capacity
- Size comparable to other manufacturers lower Ah sizes
- UL recognized component
- 2 Year Over-the-Counter Warranty

ELK-0613 6 Volt, 1.3 Ah • 3.82" L x .94" W x 2.01" H • .187" F-1 Faston Tab 7 62158 00613 5	**ELK-0650** 6 Volt, 5 Ah • 2.76" L x 1.85" W x 3.94" H • .187" F-1 Faston Tab 7 62158 00640 1	**ELK-0675** 6 Volt, 7.5 Ah • 5.90" L x 1.34" W 3.90" H • .187" F-1 Faston Tab 7 62158 00670 8	**ELK-06120** 6 Volt, 12 Ah • 5.9" L x 1.97" W x 3.9" H • .187" F-1 Faston Tab 7 62158 06120 2
ELK-1213 12 Volt, 1.3 Ah • 3.82" L x 1.77" W x 2.24" H • .187" F-1 Faston Tab 7 62158 01212 9	**ELK-1233** 12 Volt, 3.3 Ah • 5.27" L x 2.64" W x 2.6" H • .187" F-1 Faston Tab 7 62158 01233 4	**ELK-1250** 12 Volt, 5 Ah • 3.5" L x 2.75" W x 4.17" H • .187" F-1 Faston Tab 7 62158 01240 2	**ELK-1280** 12 Volt, 8 Ah • 5.94" L x 2.56" W x 3.98" H • .187" F-1 Faston Tab 7 62158 01270 9
ELK-12120 12 Volt, 12 Ah • 5.94" L x 3.9" W x 3.94" H • .187" F-1 Faston Tab 7 62158 12100 5	**ELK-12180** 12 Volt, 18 Ah • 7.12" L x 3" W x 6.57" H • B1-M5 bolt & nut 7 62158 12170 8	**ELK-12260** 12 Volt, 26 Ah • 6.53" L x 6.89" W x 4.96" H • B1-M5 bolt & nut 7 62158 12250 7	

Other Power Products

ELK-BLT

7 62158 80002 3

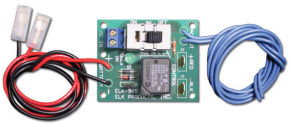
Battery LifeTester™

A compact, easy to use service tool for testing 12 Volt rechargeable batteries. The BLT measures internal conductivity (Mhos), which is the best indicator of a battery's health and life expectancy. The BLT operates as follows: For each battery brand and size installed, start by measuring and recording a baseline Mhos reading. Then, during any service call or inspection simply measure and record the current (most recent) Mhos reading. Always compare the current Mhos reading with the original reading. When the current Mhos reading has reached at or around 71% of the original baseline then it is time to consider replacing the battery.

- Compact, low cost, and easy to use
- 3 digit display
- Does not discharge or damage the battery
- Includes self-adhesive test data labels for recording battery readings
- Includes hard shell, protective carrying case
- Powered by the battery under test - warns when the battery voltage is too low for testing
- RoHS Compliant
- Size 4.4" W x 3" H x 1.15" D
- Coated clips to connect to battery
- *Lifetime Limited Warranty*

Self-adhesive Test Data Labels, 100 Pack
ELK-BLTLABELS

7 62158 80010 8



ELK-965

7 62158 00965 5

Low Battery Cutoff & Master Power Switch

Total power control for any 12V control panel or power supply. Disconnects battery if voltage falls below 10VDC as a result of extended AC power outage. Convenient On/Off switch for manual disconnect.

- Eliminates "run-away" panel headaches
- Automatic Low Battery Cutoff Protects Battery From Deep Discharge
- Installer Friendly - Small Compact Size
- Includes AC Wires & Battery Leads
- *Lifetime Limited Warranty*
- Works with most 12 Volt DC Control Panels or power supplies
- AC Power Leads: 18 AWG, 18" Length
- Maximum Transformer Size: 18 VAC
- Battery Leads: 18 AWG, 18" Length
- Low Battery Cutoff Voltage: ~10VDC

SAVE with 20 Piece Bulk Packs
ELK-965B20

7 62158 10965 2

Master Power Switch Only, 20 Piece Bulk Pack
ELK-964B20

7 62158 00964 8

Relays & Timers

ELK-912

7 62158 00912 9

Compact Relay, 12 Volt

Quality, heavy duty relay module with SPDT (Form "C") Dry Contacts. It is ideal for general purpose switching of devices or high current loads.

- Positive Or Negative Activation
- Low Current Draw
- Elevator Style Screw Terminals
- Size: 1.1" X 1.55 " each
- Includes Double Sided Foam Mounting Tape
- Packaged in Reusable Poly Storage Box
- RoHS Compliant
- *Lifetime Limited Warranty*
- Relay Contacts: 7A @ 28VDC, or 10A @ 125 VAC
- Operating Voltage: 12 Volts DC
- Current draw: 30mA (relay on)

SAVE with "Snap Apart" 12 packs
ELK-91212

7 62158 91212 2

ELK-912B

7 62158 10912 6

Relay, 12/24 Volt

Quality, heavy duty relay module with SPDT Form "C" contacts. It is ideal for general purpose switching of devices or high current loads.

- High Quality Large Cross Head Screw Terminals
- Positive Or Negative Activation
- Low Current Draw
- Voltage Input and Status LED
- Size: 2" X 1.5 " each
- Includes Double Sided Foam Mounting Tape
- Packaged in Reusable Poly Storage Box
- RoHS Compliant
- *Lifetime Limited Warranty*
- Relay Contacts: 7A @ 28VDC, or 10A @ 125 VAC
- Operating Voltage: 12 or 24 Volts DC
- Current draw: 35mA, triggered (relay on)

SAVE with "Snap Apart" 6 packs
ELK-912B6

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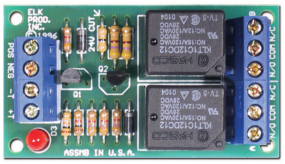


ELK-924

7 62158 00924 2

Sensitive Relay, 12/24 Volt

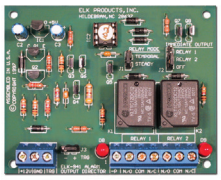
Sensitive trigger, heavy duty relay module with DPDT (Form "C") dry contacts.

- Trigger Current: 1.2mA @ 5-24VDC
- Positive (+) Or Negative (-) Trigger Input
- 12 or 24 VDC Selectable Operation
- Voltage Input LED
- Mounts in Standard 2.75" Snap Track
- Elevator Style Screw Terminals
- Size: 1.5" X 2.75" each
- Incl. Double Sided Foam Mounting Tape
- Packaged in Reusable Poly Storage Box
- *Lifetime Limited Warranty*
- Relay Contacts: 7A @ 28VDC, or 10A @ 125 VAC
- Trigger Voltage: 5 - 24VDC, Pos or Neg
- Operating Voltage: 12 or 24 Volts DC
- Current draw: 60mA (both relays on)
- RoHS Compliant

SAVE with "Snap Apart" 4 packs

ELK-9244

7 62158 09244 2



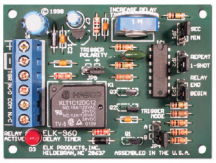
ELK-941

7 62158 00941 9

Alarm Output Director

Allows single output control to activate 2 separate relays to provide steady voltage to 2 devices. Intelligently determines whether the source is pulsing or steady. Can be triggered by a positive or negative source. Possible uses include triggering long-range radio or cellular dialers, fire bells, strobes and siren drivers.

- Ideal For Two (2) Channel Long Range Radio, Cellular Transmitters, or strobes
- Meets ANSI S3.41 Audible Emergency Evacuation Signals 3-Pulse Pattern
- Elevator Style Screw Terminals
- *Lifetime Limited Warranty*
- Relay Contacts: 7A @ 28VDC, or 10A @ 125 VAC
- Pulsing Input: .1 - 4sec. (.125-6hz)
- Trigger Voltage: 9 - 14VDC, Pos or Neg
- Trigger Current: 15mA
- Operating Voltage: 12 Volts DC
- Current draw: 96mA (both relays on)
- Size: 4.4" x 3"x 1.15"
- RoHS Compliant



ELK-960

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Relay Module with Timer

Economical and flexible relay with timer for all purpose use. It features positive or negative trigger logic with triggers as low as 4.5 V, making it compatible with 5 V logic outputs.

- Adjustable Time Delay
- Operating Modes: One-Shot or Repeat
- Low Current Input Trigger (<1mA)
- Configurable to be normally on or normally off
- Size: 3" x 2.2" x 1" (Fits Standard Snap Track)
- *Lifetime Limited Warranty*
- Relay Contacts: 7A @ 28VDC, or 10A @ 125 VAC
- Time Settings: 1-60 Seconds or 1-60 Minutes
- Trigger Voltage: 4.5 - 24VDC, Pos or Neg
- Operating Voltage: 12 to 24 Volts DC
- Current Draw: 40 mA (relay on)
- RoHS Compliant

RELAY FEATURE COMPARISON

	ELK-912	ELK912B	ELK-924	ELK-941	ELK-960
Type/Description	Compact	12/24 Volt	Sensitive Trigger	Alarm Output Director	Relay with Timer
Purpose	General purpose switching of devices or high current loads	General purpose switching of devices or high current loads	Use with low current triggers for switching of devices and high current loads	Allows single output control to activate 2 separate relays to provide steady voltage to 2 devices	Economical and flexible with timer for all purpose use
Operating Voltage	12 VDC	12 or 24 VDC	12 or 24 VDC	12 VDC	12 to 24 VDC
Current Draw	30 mA	35 mA	60 mA	96 mA	40mA
Trigger Voltage	-	-	5-24 VDC Positive or Negative	9-14 VDC Positive or Negative	4.5-24 VDC Positive or Negative
Relay Contact Ratings	7A @ 28VDC, or 10A @ 125VAC	7A @ 28VDC, or 10A @ 125VAC	7A @ 28VDC, or 10A @ 125VAC	7A @ 28VDC, or 10A @ 125VAC	7A @ 28VDC, or 10A @ 125VAC
Relay Contact Type	SPDT Form "C" Dry Contacts	SPDT Form "C" Dry Contacts	DPDT Form "C" Dry Contacts	2)SPDT Form "C" Dry Contacts	SPDT Form "C" Dry Contacts
Status LED	✗ NO	✓ YES	✓ YES	✓ YES	✓ YES
Available in money saving "snap apart" multi-packs	✓ YES ELK-91212 (12 Pack)	✓ YES ELK-912B6 (6 Pack)	✓ YES ELK-9244 (4 Pack)	✗ NO	✗ NO
Size	1.1" x 1.55"	2" x 1.5"	1.5" x 2.75"	4.4" x 3	3" x 2.2"
Lifetime Limited Warranty	✓ YES	✓ YES	✓ YES	✓ YES	✓ YES

Surge Suppressors

Solid State Surge Suppressors for control systems connected to phone lines. All units feature a super fast response time of less than 1 nanosecond.

- Solid State clamping Line-to-Line and Line-to-Ground
- Self restores after surges within ratings
- RJ31/38X 8-Pin Modular Jack
- Color: Black
- Size: 4.4" x 3" x 1.1"
- Telephone Breakover: 300 Volts
- Peak Pulse Current: 100 Amps
- Convenient Test Points For Lineman's Test Set
- RoHS Compliant
- *Lifetime Limited Warranty*

ELK-950

ELK-950
Single Telephone Line & Low Voltage Surge Suppressor
- Protects 1 Incoming Phone Line and AC Input from Transformer
- Max AC Input Voltage: 24 VAC
- AC Breakover: 50 Volts

7 62158 00950 1

ELK-951
Single Telephone Line Only Surge Suppressor
- Protects 1 Incoming Phone Line

7 62158 00951 8

ELK-955
Dual Telephone Line Only Surge Suppressor
- Protects 2 Incoming Phone Lines

7 62158 00955 6

ELK-952

7 62158 00952 5

In-Line Telephone Surge Protector

The ELK-952 provides exceptional protection against damage from lightning, voltage spikes, and surge damage coming into a phone line. It installs between the RJ31X Phone Jack and the Security Control. The ELK-952 features multi-stage protection and is 5 times faster than MOVs

- 5 Stage Surge Protection
- Very Economical
- Easy to Install
- Works with Any Security Control
- RoHS Compliant
- Response Time: < 1 Nanosecond
- Max. Signal Voltage: 250V (peak)
- Breakdown Voltage: 280V (nominal)
- Max 'Peak' Pulse Current: 100 Amps
- 1 year limited warranty

Programmable Controllers - Magic Modules

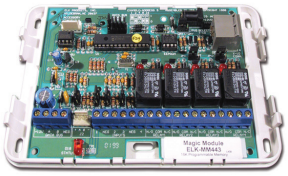
ELK-MM220

7 62158 50220 0

Magic Module™ Two Input Programmable Controller

Low cost, programmable controller can be a dual time delay relay, process controller, single zone security control, etc. Programmed using the ELK-MB485 and ELK-MM443.

- 4096 program bytes using SIMPLE programming language
- Shipped pre-programmed as a single zone alarm control
- Non-volatile EEProm memory
- Surface Mount Black Enclosure
- *Lifetime Limited Warranty*
- 2 Digital Inputs
- 2 Relay Outputs
- 4 counters: 0 to 255 increments
- 4 timers: 1/10 second to over 255 hours
- Operating Voltage: 12 Volts DC
- Current Draw: 10mA Nom., 70mA Max.
- Size: 4.5"W x 4.375" H x 2" D
- RoHS Compliant



ELK-MM443

7 62158 50443 3

Magic Module™ Four Input Programmable Controller

Powerful, networkable, programmable controller can be an automation controller, quad time delay relay, door access control, security control, etc. Control lighting, security, access, or almost any electrical device via powerline carrier (X10) or the 4 relays.

- Connection for powerline carrier (X10) interface
- 16,384 program bytes using SIMPLE programming language
- Network with other Magic Modules or PC over RS-485 Bus
- Non-volatile EEProm memory
- Surface Mount White Enclosure
- *Lifetime Limited Warranty*
- 4 Inputs: Digital or Analog sensing
- 4 Relay Outputs
- 4 counters: 0 to 255 increments
- 4 timers: 1/10 second to over 255 hours
- RS-485 Data bus length: 4000 feet Max.
- Operating Voltage: 9.5-15 Volts DC
- Current Draw: 10 mA. Nom., 130mA Max.
- Size: 6.5"W x 4.375"H x 2"D
- RoHS Compliant

ELK-MB485

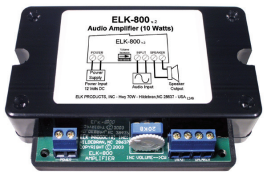
7 62158 50485 3

RS-232 to RS-485 Data Converter

The ELK-MB485 is used to communicate between a personal computer and the ELK Magic Module (ELK-MM443).The ELKMB485 converts the computer's RS-232 Serial Data to RS-485 Data which is used by the ELK Magic Module™ series of products. This allows programs to be downloaded into the Magic Modules. Input and Output status can be displayed and controlled from the computer.

- Converts RS-232 to RS-485 Data
- Visual Power Indicator LED
- 9 Pin Serial D-Connector
- Terminals for 4-Wire Data Bus
- Surface Mount ABS Enclosure with Snap-On Cover
- Data Interconnect Cable (4 Pin) included
- Computer Serial Cable (9 Pin) included
- Enclosure Size: 4.5" x 3" x 1.2"
- RoHS Compliant
- *Lifetime Limited Warranty*

Communication Accessories



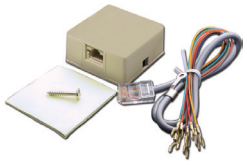
ELK-800

7 62158 00800 9

10 Watt Audio Amplifier

This compact amplifier is ideal for telephone paging, PA, custom voice or alarm annunciation.

- No need for 25V or 70V Line Transformers
- Can drive multiple 8 Ohm speakers
- Requires only 22-24 gauge telco wire
- Built-in Volume Control
- Short circuit protection
- Output: 10 Watts
- Input Impedance: 1000 Ohms Nominal
- Speaker Load: 8 Ohm Nom., 2 Ohm Min.
- Color: Black
- Operating Voltage: 12 to 24 Volts AC or DC
- Current draw: 50 mA Nom., 800 mA Max.
- Size: 4.5" x 3" x 1.2"
- RoHS Compliant
- *Lifetime Limited Warranty*



ELK-RJSET

7 62158 80017 7

RJ31X Telco Jack & Cord

For use with Alarm System Communicators, Line Fault devices, or other equipment as a means of connecting to the incoming telephone line.

- USOC RJ31X 8 pin modular jack
- Built-in pass through shorting bars
- Gold plated connector pins
- Includes self adhesive foam mounting pad
- RoHS Compliant
- 2 foot, 8 conductor cord with modular plug on one end and spade terminals on the other
- FCC approved - UL listed as a Communication Circuit Accessory
- *Lifetime Limited Warranty*

Universal Accessories

"B" Connectors

For solid, dependable splicing of 22 to 26 gauge wires.

- Easy to Squeeze Soft Metal Crimp
- Built-in Test Point
- Insulation Piercing Internal Teeth
- Durable Protective Outer Covering
- 2 Handy Zip Lock Bags of 250 pcs each
- 500 pcs per box
- Packaged in Reusable Poly Storage Box
- UL listed
- RoHS Compliant

ELK-9002

7 62158 09002 8

Yellow Unfilled "B" Connectors

- Yellow color indicates unfilled

ELK-9022

7 62158 09022 6

White Gel Filled "B" Connectors

- Non-hardening Gel Moisture Barrier forms corrosion resistant splice
- White color indicates gel filled
- No Markings on Jacket

Alarm Decals

WARNING ALARM SYSTEM Decals for alarm installations

- Attractive Red, Blue and White
- UV Resistant Vinyl Material
- Self Adhesive Peel And Stick Backing
- Fade-Resistant Ink
- Secondary Protective Clear Vinyl Laminate
- Size: 3.2" x 6.4" Triangle Shape
- ELK-998: Package of 100 Decals
- ELK-998-05: Retail Package of 5 Decals
- RoHS Compliant

ELK-998
100 Decals

7 62158 00998 3

ELK-99805
5 Decals

7 62158 20998 7

ELK-999

Double Sided Foam Mounting Tape

- Permanent Rubber Adhesive
- 130 Individual Pieces
- Packaged in Reusable Poly Storage Box
- Individual Piece Size: 1/2" x 1- 1/2" x 1/4" Thick
- RoHS Compliant

7 62158 00999 0

ELK-999A

Assorted Thickness
Double Sided Foam Mounting Tape

- Permanent Rubber Adhesive
- 156 Individual Pieces
- Packaged in Reusable Poly Storage Box
- Individual Piece Size: 1/2" x 1- 1/2"
- Thickness (52 pieces of each): 1/16", 1/8", 1/4"
- RoHS Compliant

7 62158 01000 2

ELK-PB1

Project Box

General purpose, paintable box for housing wire splices, relay modules, etc.

- Mounts to a single gang electrical box
- Mounting hardware included
- Removable wire entry tabs work with panduit surface raceway conduit
- Color: White
- Size: 6.5"W x 4.3" H x 2" D
- RoHS Compliant

7 62158 11001 6

ELK-UB12

Utility Box for Power Supplies, etc

Multi-purpose box works well for power supplies and other peripherals.

- Can be used to house "special projects"
- Hinged cover with camlock
- RoHS Compliant
- Color: White
- Size: 12" x 12" x 3.5"
- Included in some M1EZ8 Control kits

7 62158 55043 0

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