

Linear | Entry Systems Catalog



Door Operator Products

Gate Operator Products

Access Control Product

Radio Control Products

Order Information

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5:00 AM — 4:30 PM (Pacific Time) Monday – Friday
8:00 AM — 7:30 PM (Eastern Time) Monday – Friday

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These Linear products are available nationwide at hundreds of conveniently located local distributors branches. The innovative products are available where you need them and when you need them, making Linear the natural choice for your entry system solutions.

Linear products are distributed by:



All these brands are now under one name.



An Innovative History



*Linear Corporate Headquarters
Carlsbad, California*

Linear was established in 1961 as a manufacturer of radio controls. Over the next five decades, an unrelenting dedication to quality has turned it into the most trusted name in everyday technology.

Long known for pioneering radio frequency remote controls for everyday use, Linear now combines computer aided mechanical engineering and electronic design into a full range of products. Today, Linear opens your gates, your garages, and your doors.

Linear's prevalence across America is simply unprecedented. Hundreds of thousands of people use Linear products every day without even knowing it. Backed by the industry's best warranties, a network of qualified integrators and installers, and unrivaled electronic solutions know-how, it's no wonder that Linear continues to lead the industry forward.

Linear combines the latest in technology with simplicity and elegance. From gate operators and intercom systems to central vacuums and security systems, these are innovations that are designed to make your life easier. These are innovations that make your life better.

Linear Entry Systems



Getting residents, employees, and visitors in and out with ease, security, and safety requires the right hardware, the right software, and the right accessories, all from the right manufacturer. For over five decades, Linear has been that manufacturer.

Linear Entry Systems products have evolved and expanded, so that today they encompass four distinct product groups:

Access Control Products

Our access control products encompass everything from keypads for single entry points to network based telephone entry and access controllers that can interconnect up to 256 doors and gates for up to 20,000 users.

Door Operator Products

Linear also makes a line of superior quality residential and commercial garage door operators for the professional installer. Belt and chain drive models are available in various horsepower ratings and feature sets. The use of many common components, and in some cases interchangeable head units and rails, helps dealers reduce inventory and operate flexibly.

Gate Operator Products

To address almost any type, size, and weight of gate, Linear offers a proven line of gate operators. For residential, commercial, and industrial applications, swing, slide, and barrier gate operators in many sizes, voltages, electrical phases, and duty ratings are available.

Radio Control Products

Providing the wireless remote control link, Linear's radio controls are available in a choice of popular radio formats. Single and multi-channel transmitters and receivers with exceptional wireless performance are used for remote control of operators, as access control credentials, and for incorporation into other equipment in OEM applications.

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The ideal access control system balances the competing demands for security and convenience. It fulfills a wide range of functional requirements with minimum system complexity. It integrates high performance, reliability, and flexibility in equal measure. It is technically advanced yet functionally simple. It is backed by the design, engineering, and production resources of an acknowledged security and control technology leader. All of which accurately defines every access control solution that Linear delivers.



Traditional access control with the added dimension of radio: Our product line represents a completely modular approach. Your entry options are virtually unlimited. Telephone entry systems, keypads, and proximity devices can be integrated into a single network or furnished as individual sub-systems. Then, there's our specialty, radio technology, which can form the basis of an entire system or can be used to equip an existing site with remote keyless entry and panic button functions.

Systems from one to 32 entry points: Whether you need access control for a small office building, a multi-gated residential community, or a sprawling university campus, we have a system that can be precisely tailored by capacity and capability.

Locally programmable or computer-linked systems: We can provide a stand-alone system with its own software or access control that ties into other computer controlled systems. RS232 outputs allow Linear systems to be linked by computer for event/transaction logging or to other access control systems for remote radio capability.

Remote devices and add-on features: Knox boxes, postal keys, request-to-exit devices, and many other devices can all be planned into the initial system or installed on a retrofit basis. You'll find all the access control products you need on the pages that follow.

For technical support or for assistance in designing a system using Linear Access products, call us at (800) 421-1587.



ACCESS CONTROL FUNCTIONS

Stand Alone Systems

- Offices
- Warehouses
- Medical Clinics
- Office buildings with multiple entrances
- Small hospitals, several buildings with parking

Stand Alone Systems with Radio

- Gated communities
- Condominiums with adjacent underground parking, gates, and doors
- Buildings and offices in high crime areas

ACCESS CONTROL AND DURESS FUNCTIONS

Stand Alone Systems with Radio

- Door control and panic in small hospitals, especially with psychiatric wards
- Parking lot panic systems with gate/door control for building garages

Add-On Systems with Radio

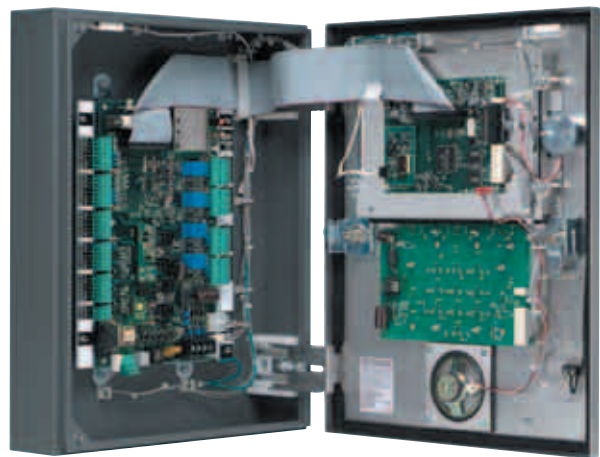
- Business campuses
- College or private school campuses
- Medical access systems
- Courthouses
- Corporate human resource areas
- Government buildings

AE2000Plus

Commercial Telephone Entry System with Access Control
Four Gates/Doors, Large Screen



Product No. ACP00952



This advanced commercial telephone entry system has access control capabilities and is for sites with up to four doors and/or gates, each supporting request-to-exit and door status monitoring. The AE2000Plus has a 10,000-user capacity and a unique directory code for each user.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Rugged stainless steel enclosure with articulated, double-locking front panel
- Temperature compensated, back-lit VGA resolution LCD display and back-lit keys
- Built-in microphone and speaker
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- 32 security levels, 32 time zones, 32 door schedules, and 24 holiday schedules
- Relay auto lock/unlock schedules
- Dimensions: 15.25" W x 19" H x 4" D

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- CPDM-1 Video Modulator for Access Cameras
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- CCM-1A Color Camera
- TR-2000 Trim Ring
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna



MDT Series



AM-PR



AM-RPR



ACT-34D

Capabilities with AccessBase2000 Programming <i>Programming through dedicated PC</i>	Capabilities with AXNET Programming <i>Programming using ANY PC through browser software</i>
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total)	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total)
Up to 20,000 individually enrolled transmitters	Up to 2,000 individually enrolled transmitters
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

AE1000Plus

Commercial Telephone Entry System with Access Control
Four Gates/Doors



Product No. ACP00951



This advanced commercial telephone entry system has access control capabilities and is for sites with up to four doors and/or gates, each supporting request-to-exit and door status monitoring. The AE1000Plus has a 10,000-user capacity and a unique directory code for each user.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Rugged stainless steel enclosure
- Backlit two-line directory display with programmable display messages; sidelit 12-key telephone style keypad
- Built-in microphone and speaker
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- 32 security levels, 32 time zones, 32 door schedules, and 24 holiday schedules
- Relay auto lock/unlock schedules
- Dimensions: 13" W x 16.25" H x 3.5" D

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- CPDM-1 Video Modulator for Access Cameras
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- CCM-1A Color Camera
- TR-1000 Trim Ring
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna



MDT Series



AM-PR



AM-RPR



ACT-34D

Capabilities with AccessBase2000 Programming <i>Programming through dedicated PC</i>	Capabilities with AXNET Programming <i>Programming using ANY PC through browser software</i>
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total)	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total)
Up to 20,000 individually enrolled transmitters	Up to 2,000 individually enrolled transmitters
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

AM3Plus

4-Portal Access Controller



Product No. ACP00950

An access controller for up to four points of entry, the AM3Plus is housed in a lockable, plastic enclosure that is monitored with a magnetic tamper switch. The AM3Plus features a 2-digit LED display, nine status indicators, four relay indicators with four relay activation pushbuttons, three programming buttons, a reset button, and a power indicator. The system controls its four output relays by responding to various input devices that react to proximity cards, transmitters, and entry codes. These output channels can be programmed to control electric door strikes, magnetic locks, door and gate operators, or barrier gates.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Full control of 4 doors; each supporting request to exit and door status monitoring
- 2 Wiegand inputs for readers
- Add AM-CRI's for more Wiegand inputs
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- Remote programming using optional ACM-1 modem (ACP00905)
- Relay auto lock/unlock schedules
- Dimensions: 11.5" W x 12.5" H x 4" D

COMPATIBLE MODELS

- AE1000Plus Commercial Telephone Entry System with Access Control
- AE2000Plus Commercial Telephone Entry System with Access Control



ACM-1
Replacement Modem
Product No. ACP00905

COMPATIBLE TRANSMITTERS WITH AM-RRR

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- ACM-1 Replacement Modem (Field Option)
- AM-RRR Remote Radio Receiver

Capabilities with AccessBase2000 Programming <i>Programming through dedicated PC</i>	Capabilities with AXNET Programming <i>Programming using ANY PC through browser software</i>
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total) †	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total) †
Up to 20,000 individually enrolled transmitters †	Up to 2,000 individually enrolled transmitters †
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

† (AM-RRR remote receiver required)

AE-500

Commercial Telephone Entry System
Two Gates/Doors



Product No. ACP00899

The AE-500 is for facilities with up to 250 residents or users. Housed in a locked, rugged stainless steel faced enclosure, it features a side-lit 12-key telephone style keypad with bright, easy-to-read graphics, a backlit two-line directory display with a programmable welcome message, a built-in microphone, and speaker.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings, and recreational facilities

FEATURES

- Economically priced
- Up to 250 user capacity
- Up to 500 block coded transmitter capacity
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Built-in modem for remote programming
- Multiple programming methods: from keypad, from touchtone telephone, from web browser
- Two configurable output relays
- Dimensions: 10.75" W x 12.75" H x 3.5" D

AVAILABLE ACCESSORIES

- AM-KP Exterior Keypad
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna
- CCM-1A Color Camera

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-22B 3-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring



EXA-2000



AM-KP

AE-100

Commercial Telephone Entry System One Gate/Door



Product No. ACP00937

This system is intended as a primary access control device for commercial sites with up to 125 residents. It can be used indoors or out. The AE-100 utilizes hands-free, full duplex telephone communications between visitors and residents for granting access. The backlit two-line directory LCD display scrolls a programmable welcome message and shows the directory Names and Directory Codes. The system contains a built-in microphone and a tamper resistant speaker. The heavy-duty access relay can control electric door strikes, magnetic locks, door and gate operators, or barrier gates. Multi-lingual display programming prompts and voice help is available with a choice of English, Spanish, French-Canadian, or Portuguese language selection for the system. The system can be programmed locally using the keypad, or remotely with a touch-tone telephone. Optional features that the AE-100 supports are provisions for postal lock and color CCTV camera installation (Model CCM-1A). The AE-100 is powered from a 16 VAC plug-in transformer.

APPLICATIONS

Small apartment buildings, condominiums, or gated communities

FEATURES

- Many installation choices: surface, recessed, gooseneck
- Stainless steel front panel
- Telephone style keypad with lighting
- Accepts a total of 125 directory listings or stand-alone entry codes
- TTY jack for connection to text communication devices for the hearing impaired
- Simple network capability with up to four units —allows transferring programming data from “master” unit to other sub-units.
- Two-line-16-character LCD display
- Removable terminal blocks
- Form “C” access relay rated at 10 amps AC and 7 amps DC @ 30 volts
- Load shed circuitry protects backup battery
- 9.75” W x 11.75” H x 3.5” D

AVAILABLE ACCESSORIES

- CCM-1A Color Camera
- 12VGB 12-volt 1.2 Amp/hour Rechargeable Gel-cell Battery
- TR-100 Trim Ring



CCM-1A

RE-1

Residential Telephone Entry System



RE-1N Product No. ACP00892
RE-1SS Product No. ACP00896 (Not Shown)

The stylish RE-1 is designed for residential or light commercial access control. The speakerphone, keypad, radio receiver, and optional video camera are housed in a rugged enclosure that can be mounted to a pedestal or bolted directly to a wall. The die-cast keypad keys have bright, easy-to-read graphics and are lit with an overhead light. The two operation buttons; CALL and HELP, are machined for heavy-duty reliability

APPLICATIONS

Single residences, commercial sites, employee parking

FEATURES

- Cast housing stainless steel finish (RE-1SS) or nickel finish (RE-1N)
- Downlighting
- User friendly voice prompts
- Two programmable outputs control two openings
- Obstacle reverse, alarm shunt
- Provisions for Knox Box
- Simple to program and maintain through on board keypad, touchtone telephone, or computer with modem
- 450 event memory log
- Supports 100 entry codes; 100 block-coded transmitters
- Built-in 318 MHz superheterodyne radio receiver
- Backup battery ready
- Dimensions: 6.45" W x 10.81" H x 3.74" D

AVAILABLE ACCESSORIES

- AM-KP Exterior Keypad
- GNB-1 Burial Mount Gooseneck
- GNC-1 Curb Mount Gooseneck
- RE-BWC1 Black & White Camera for RE-1

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring



GNC-1



AM-KP

RE-2

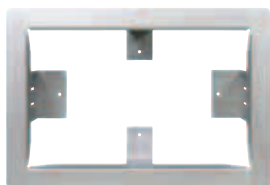
Residential Telephone Entry System



RE-2N Product No. ACP00910



RE-2SS Product No. ACP00919



TR-RE2SS



CCM-2A

The contemporary styled RE-2 is for residential or light commercial access control. The speakerphone, keypad, radio receiver, and optional video camera are housed in a rugged enclosure that can be mounted to a pedestal, or bolted directly to a wall, or flush mounted in a column. The die-cast keypad keys have bright, easy-to-read graphics, and are lit with an overhead light. The two operation buttons; CALL and HELP, are machined for heavy-duty reliability.

APPLICATIONS

Single residences, commercial sites, employee parking

FEATURES

- Powder coated nickel or stainless steel finish
- Downlighting
- User friendly voice prompts
- Two programmable outputs control two openings
- Obstacle reverse, alarm shunt
- Provisions for Knox Box
- Simple to program and maintain through on board keypad, touchtone telephone, or computer with modem
- 450 event memory log
- Supports 100 entry codes; 100 block-coded transmitters
- Built-in 318 MHz superheterodyne radio receiver
- Backup battery ready
- Dimensions: 10.0" W x 6.25" H x 4" D

AVAILABLE ACCESSORIES

- AM-KP Exterior Keypad
- CPDM-1 Video Modulator for Access Cameras
- TR-RE2N RE-2N Trim Ring
- TR-RE2SS RE-2SS Trim Ring
- CCM-2A Color Camera
- EXA-2000 Directional Remote Antenna

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring

AK-11, AKR-1, AK-21W, MDKP

Exterior Digital Keypads

Applications:

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities



Product No. ACP00748



Product No. ACP00747

AK-11 Exterior Digital Keypad

The AK-11 is a digital keyless entry system housed in a rugged cast aluminum enclosure that can be mounted to a pedestal or bolted directly to a wall. Up to 480 entry codes, from 1 to 6 digits in length, can be programmed. They can activate either, or both, of the relay outputs.

AKR-1 Exterior Digital Keypad with Radio Receiver

The AKR-1 features an integral radio receiver for versatile access control functions. This exterior digital keypad is housed in a rugged cast aluminum enclosure that can be mounted to a pedestal or bolted directly to a wall. Linear's Model MGT safety edge transmitter is compatible with the AKR-1 and can be used to detect and transmit obstacle events to the receiver and activate Relay #2.



Product No. ACP00750



Product No. ACP00878

AK-21W Weather-Resistant Digital Keypad

The AK-21W is weather resistant and is housed in a rugged, plastic enclosure and for mounting in a standard single-gang electrical box. It is supplied with four different plastic snap-on mounting bezels to customize the look of the keypad. The satin-chrome bezel comes factory installed on the keypad. The white, ivory and bronze bezels are packaged separately.

MDKP Exterior Wireless Keypad

The MDKP can transmit a unique signal for each 1-6 digit PIN entered. It has a built-in radio transmitter with a 250-foot range in line-of-sight conditions. Codes are learned by either the access controller or receiver, the maximum number dependent upon the model used. To operate the MDKP, a user simply enters a PIN followed by the # key, and the code is transmitted to the receiver for validation. Downlighting can be turned on by pressing the # key twice; it remains on for 30 seconds or until a code is sent. Installation and set-up are simple. The MDKP can be mounted on either a wall or a gooseneck. It is ready to use upon plugging in its 9V lithium battery and programming of user codes.

AK-21, AK-31

Interior Digital Keypads

Applications:

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities



Product No. ACP00749

AK-21 Interior Digital Keypad

The AK-21 is housed in a rugged, plastic enclosure for mounting in a standard single-gang electrical box. It is supplied with four different plastic snap-on mounting bezels to customize the look of the keypad. The satin-chrome bezel comes factory installed on the keypad. The white, ivory, and bronze bezels are packaged separately. All system indicators and lights are long-lasting, solid-state LEDs. An internal sounder beeps when each key is pressed.



Product No. ACP00751

AK-31 Low-Cost Interior Digital Keypad

The AK-31 is a low-cost interior digital keypad housed in a rugged, plastic enclosure for mounting in a standard single-gang electrical box. Two indicators show system status. The left lights red to indicate power, then turns green when access is granted. The right lights yellow when the keypad is in lockout condition (from too many incorrect code entries). An internal sounder beeps when each key is pressed.

AP-5

Wireless Access Controller
Two Gates or Doors



Product No. ACP00953



ACT-34B



MGT

The AP-5 is a compact, wireless controller ideal for multiple access control requirements. It has three programmable relays - one is an access output, one is an obstacle output, and the third can be configured as either an access or obstacle output. Access relay activation timing is programmable from 1-120 seconds. The AP-5 features a built-in, high gain, superheterodyne receiver, which uses an external antenna to pick up signals from up to 250 feet away. It supports up to 480 Linear MegaCode® transmitters and up to six Model MGT safety edge transmitters can be assigned to the obstacle relay. The AP-5 can be powered from 12-24 Volts AC or DC. The Form C relay outputs can switch up to 1 Amp each. An EARTH GROUND terminal is provided as an optional connection for maximum lightning and static protection.

APPLICATIONS

Gated communities, parking facilities, and industrial sites

FEATURES

- Easy to set-up and use, up to 480 remotes can be programmed with a few keystrokes
- Easy to add, suspend, and delete transmitters through programming mode, no transmitter dipswitches to set
- Supports 480 block coded transmitters or 238 individual transmitters/wireless keypad entry codes
- Supports up to six fully supervised safety edge transmitters
- AP-5 replaces Linear's AP-4; AP-5 available for replacement of existing AP-4 units only
- RF frequency: 318 MHz
- Dimensions: 4.45" W x 5.75" H x 1.5" D without antenna

AVAILABLE ACCESSORIES

- MDKP Exterior Wireless Keypad
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-channel Block Coded Key Ring Transmitter
- ACT-34B 4-channel Block Coded Key Ring Transmitter
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- MGT MegaCode Safety Edge Transmitter

WOR

Wiegand Output Receiver



Product No. ACP00727

The WOR is a Wiegand Output Receiver for use as a wireless access control interface for Linear's block coded digital transmitters. The unit receives signals from transmitters, adds a facility code to the data, and sends the information via a 5-wire connection to a Wiegand input commonly available on most access control panels. Several transmitter and receiver options can be set using the unit's dipswitches. An on-board RADIO RANGE knob allows adjustment of the receiver's gain. Two indicators display the receivers performance and operation. Receiver test points are provided for listening to the incoming signals with an audio amplifier. The WOR is housed in a weather-resistant enclosure and can be mounted indoors or outdoors. Gaskets and a weather-tight wiring strain relief seal the unit from the elements.

APPLICATIONS

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities

FEATURES

- Easy way to equip existing installations with radio transmitter access
- Keyless entry offers user convenience, safety, and security for triggering gates, barrier arms, and doors
- Ideal way to facilitate handicapped access
- Multi-button transmitters can double as personal emergency devices for triggering security alarms
- RF input/Wiegand output receiver supports 26, 30, and 31-bit Wiegand data formats
- Wide selection of MegaCode (over 1 million codes) format transmitters, with available block coding
- Field adjustable read range - from 5 to 500 feet
- Connects as easily as a card reader; transmitters are added like cards, with no software changes required
- Facility and ID codes tailored to system requirements
- RF frequency: 318 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D

AVAILABLE ACCESSORIES

- EXA-1000 Omni-directional Remote Antenna
- EXA-2000 Directional Remote Antenna



EXA-1000



MDKP

COMPATIBLE TRANSMITTERS

- MDT-1B 1-channel Block Coded Visor Transmitter
- MDT-2B 3-channel Block Coded Visor Transmitter
- MDT-4B 5-channel Block Coded Visor Transmitter
- MT-1B 1-channel Block Coded Visor Transmitter
- MT-2B 2-channel Block Coded Visor Transmitter
- ACT-21B 1-channel Block Coded Key Ring Transmitter
- ACT-22B 3-channel Block Coded Key Ring Transmitter
- ACT-31B 1-channel Block Coded Key Ring Transmitter
- ACT-34B 4-channel Block Coded Key Ring Transmitter
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- MDKP Exterior Wireless Keypad
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag



Product No. ACP00500

AM-RRR

Remote Radio Receiver

The AM-RRR Remote Radio Receiver is for use with Linear's access control systems. It functions as a remote device that extends the radio range or supplies localized radio reception.

FEATURES

- Provides extended range for radio-based access control system
- Up to 500 foot radius radio coverage
- Weather-resistant housing for outside or indoor mounting
- Optional directional remote or omnidirectional remote antennas
- Integral radio gain control for adjustment of radio range
- Power supplied by access controller
- Compatible with all MegaCode transmitters
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- RF frequency: 318 MHz
- 4.25" W x 6.25" H x 2.5" D without antenna
- **See page 16 for compatible transmitters**

AM-RPR

Remote Proximity Receiver

The AM-RPR Remote Proximity Receiver is for use with Linear's access control systems. It functions as a remote device that supplies localized radio reception.



Product No. ACP00560

FEATURES

- Convenient, cost-effective, and reliable form of door or entrance control
- 2-to-3-inch radio transmitter read range prevents transmitter from being detected by wrong receiver
- 2-color status LED indicates "power on" and "access granted"
- Installs in a single-gang electrical box
- Compatible with all MegaCode transmitters
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- 2.7" W x 4.5" H x 2" D
- **See page 16 for compatible transmitters**

AM-KP

Exterior Keypad



Product No. ACP00520

The Model AM-KP keypad is housed in a rugged cast aluminum enclosure. The die-cast keys have bright, easy-to-read yellow graphics. Each key has a positive tactile click feel when pressed. An incandescent panel lamp lights the keypad for nighttime use. Red, green and yellow indicators show power, access and lockout conditions

FEATURES

- For use outdoors or indoors
- 1-to-8-digit user selectable access codes
- Programmable downlighting
- Separate LEDs for "power/access granted" and "locked out" indication
- Gooseneck or wall mounting
- Cast aluminum, environmentally protected housing
- Keylock secures keypad to mounting backplate
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, AE-500, RE-1, and RE-2 ONLY
- 4" W x 5.5" H x 3" D

AM-KPI

Interior Keypad



Product No. ACP00887

The Model AM-KPI Interior Keypad is housed in a rugged, plastic enclosure and is designed to be mounted indoors in a standard single-gang electrical box. The keypad is supplied with a satin-chrome plastic bezel installed. Three interchangeable colored plastic bezels (white, ivory, & bronze) are included with the unit to customize the keypad appearance for the installation.

FEATURES

- Programmable white LED downlighting
- Separate LEDs for "power/access granted" and "locked out" indication
- Mounts in a single gang electrical box using security screws; tool included
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, and AE-500 ONLY
- 3" W x 5" H x 3" D



Product No. ACP00740

AM-PR

Proximity Reader

The AM-PR is a close-range reader that works with either proximity tags or proximity cards. The AM-PR is rugged, rated for extreme weather, and vandal resistant.

FEATURES

- Compatible with all Wiegand formats up to 40 bits
- Weather resistant and vandal resistant
- 4 to 6 inch read range
- Supports up to 65,000 cards
- Easy to install
- Integral LED confirms when user access is granted
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- 1.6" W x 3.4" H x .6" D



Product No. ACP00739

AM-PC

Proximity Cards

The Model AM-PC Proximity Card is a Wiegand format proximity type access control card with a slot for attaching to a key ring, use with AM-PR proximity reader.

FEATURES

- Passive operation
- Low-cost
- Durable
- 25 piece bulk pack



Product No. ACP00742

AM-PT

Proximity Tags

The Model AM-PT Proximity Tag is a Wiegand format proximity type miniature access control tag with a slot for attaching to a key ring, use with AM-PR proximity reader, sold in lots of 25.

FEATURES

- Passive operation
- Small size
- Low-cost
- Durable
- 25 piece bulk pack

AM-CRI

Card Reader Interface



Product No. ACP00717

The AM-CRI is a card reader that will support one or two 26-bit, 30-bit, or 31-bit Wiegand input devices. If the readers used have a hold or buffer connection, two readers may be used to the AM-CRI. If the readers do not have a hold or buffer connection, one reader may be used with the AM-CRI. Usually mounted near the readers, the AM-CRI interface connects to the control unit through a PBUS cable. Each reader connects to the AM-CRI through a six-wire (one LED in reader) or seven-wire (two LEDs in reader) cable.

FEATURES

- For equipping a Linear access control system with one or two Wiegand devices
- Card Reader Interface can be used with up to two 26, 30, or 31-Bit Wiegand input devices
- Power is supplied by system controller or external source for locally powered readers
- 4.45" W x 5.75" H x 1.5" D

MGT

Gate Safety Edge Transmitter



Product No. DNT00068

The MGT adds fully supervised obstacle sensing for motorized gates, doors, or barrier arms in any Linear access control system or APeX Controller equipped gate operators. It mounts directly on the gate, door, or barrier and wires to a standard exterior safety edge sensor.

FEATURES

- Signals access controller for stop or reverse when safety edge activates
- No extra cables or coiled wires to controller
- Power: 2 Model 2450 lithium batteries
- Frequency: 318 MHz
- Codes: 1,000,000+ (factory precoded)
- Dimensions: 4.28" W 2.9" H x 2.2" D
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, AE-500, RE-1, RE-2, AP-5, APeX Controller equipped gate operators, and MegaCode receivers

CCM-1A

Color Camera



Product No. ACP00904A

The Model CCM-1A Color Camera mounts inside Linear's commercial access controllers. The camera provides color day/night camera captures images with great detail in not only well-lit environments, but also in low-light conditions. In daytime, the CCM-1A will provide a full-color image and a black-and-white image in low light periods, such as dusk and dawn.

FEATURES

- Color CCD camera
- Bracket for mounting inside the access controller
- Plug-in connector for power and video
- Fits in Models AE-100, AE-500, AE1000Plus and AE2000Plus

CCM-2A

Color Camera



Product No. ACP00936A

The Model CCM-2A Color Camera mounts inside Linear's RE-2 telephone entry system. The camera provides color day/night camera captures images with great detail in not only well-lit environments, but also in low-light conditions. In daytime, the CCM-2A will provide a full-color image and a black-and-white image in low light periods, such as dusk and dawn.

FEATURES

- Color CCD camera
- Bracket for mounting inside the telephone entry system
- Plug-in connector for power and video
- Fits in Models RE-2N and RE-2SS

RE-BWC1

Black & White Camera



Product No. ACP00886A

The Model RE-BWC1 Black & White Camera mounts inside Linear's RE-1 residential telephone entry system and provides black and white video of the entry system visitor. Built-in infrared illuminators help to light the subject in low-light conditions.

FEATURES

- Field upgradeable
- Receives power from RE-1. No need to run additional power
- Contains infrared illuminators to allow visibility in complete darkness
- Fits in Models RE-1N and RE-1SS

CDPM-1

Video Modulator for Access Cameras



Product No. AAE00436

This digital modulator converts any baseband NTSC video and audio signal to a selected UHF or Ultraband CATV channel. A quartz crystal reference oscillator and PLL circuitry ensure drift-free performance. The modulator can be used to convert video signals from Linear's access control systems to UHF or CATV signals that can be viewed on a standard television set at the installation.

FEATURES

- Converts the access system's camera video signal to a UHF or CATV channel television signal
- A quartz crystal reference oscillator and PLL circuitry ensure drift-free performance
- A television connected to the modulator's output will receive the signal when the television is tuned to the modulator's programmed channel

EXA-1000

Omni-directional Remote Antenna



Product No. AAE00198

The EXA-1000 can be connected to the F connector on many Linear receivers to improve their range when they must be located in poor signal reception locations.

FEATURES

- U-bolt for post mounting
- Includes 5 feet of coax
- 3" W x 19.5" H x 6" D

EXA-2000

Directional Remote Antenna



Product No. AAE00331

The EXA-2000 can be connected to the F connector on many Linear receivers to improve their range in a specific direction when they must be located in poor signal reception locations.

FEATURES

- Paintable PVC housing
- Includes 10 feet of coax
- Two mounting brackets included
- 21" W x 5" H x 1.5" D



Product No. ACP00907

GNB-1

Burial-mount Gooseneck

The GNB-1 Burial Mount Gooseneck is used for easy installation of keypads, telephone entry systems, and other access control products.

FEATURES

- Burial mount configuration
- Rugged, weather resistant, powder coated rolled steel construction
- Universal bolt pattern on base plate and faceplate fits all manufacturer's products
- 4" W x 74" H x 13" D

GNC-1

Curb-mount Gooseneck

The Model GNC-1 Curb Mount Gooseneck is used for easy installation of keypads, telephone entry systems, and other access control products.

FEATURES

- Curb mount configuration
- Rugged, weather resistant, powder coated rolled steel construction
- Universal bolt pattern on base plate and faceplate fits all manufacturer's products
- 5.25" W x 44" H x 15.5" D

OPTIONAL GOOSENECK STANDS (NOT SHOWN)

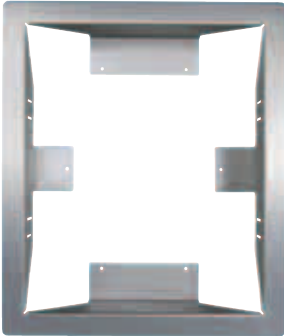
- 2120-428-BT Bi-level, with universal mounting. 1.5" dia. round
- 2120-392 Truck height only, 83", 1.5" dia. round
- 2820-067 For special stand (must provide specifications) - Contact factory

COMPATIBLE MODELS

- AK-11 Exterior Digital Keypad
- AKR-1 Exterior Digital Keypad with Radio Receiver
- AE-100 Commercial Telephone Entry System
- AE-500 Commercial Telephone Entry System
- AE1000Plus Commercial Telephone Entry System with Access Control
- AE2000Plus Commercial Telephone Entry System with Access Control
- AM-KP Exterior Keypad
- MDKP Exterior Wireless Keypad
- RE-1N Residential Telephone Entry System
- RE-1SS Residential Telephone Entry System
- RE-2N Residential Telephone Entry System
- RE-2SS Residential Telephone Entry System



Product No. ACP00906



Product No. ACP00941

TR-100

Trim Ring

The TR-100 is for recess mounting the Model AE-100 Commercial Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The AE-100 attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Stainless steel finish matches AE-100 case
- Mounting hole size 10" W x 12" H



Product No. ACP00908

TR-500

Trim Ring

The TR-500 is for recess mounting the Model AE-500 Commercial Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The AE-500 attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Stainless steel finish matches AE-500 case
- Mounting hole size 13" W x 11" H



Product No. ACP00909

TR-1000

Trim Ring

The TR-1000 is for recess mounting the Model AE1000Plus Commercial Telephone Entry System with Access Control. The flush-mount trim ring attaches to the wall studs or custom framing. The AE1000Plus attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Stainless steel finish matches AE1000Plus case
- Mounting hole size 13-1/4" W x 16-1/4" H

TR-2000

Trim Ring



Product No. ACP00914

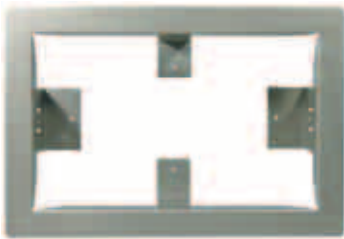
The TR-2000 is for recess mounting the Model AE2000Plus Commercial Telephone Entry System with Access Control. The flush-mount trim ring attaches to the wall studs or custom framing. The AE2000Plus attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Stainless steel finish matches AE2000Plus case
- Mounting hole size 15-1/2" W x 19" H

TR-RE2N

Trim Ring



Product No. ACP00915

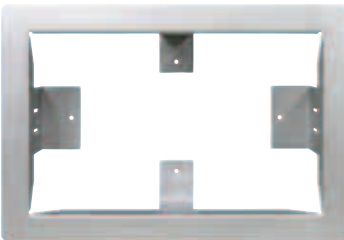
The TR-RE2N is for recess mounting a Model RE-2N Residential Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The RE-2N attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Nickel finish matches RE-2N case
- Mounting hole size 10-1/4" W x 6-1/4" H

TR-RE2SS

Trim Ring



Product No. ACP00917

The TR-RE2SS is for recess mounting a RE-2SS Residential Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The RE-2SS attaches to the mounting ring.

FEATURES

- Bendable mounting tabs
- Stainless steel finish matches RE-2SS case
- Mounting hole size 10-1/4" W x 6-1/4" H

CAB-1

Metal Indoor Cabinet



Product No. ACP00420

The CAB-1 is a metal cabinet for housing the AM3Plus. It is for use in indoor applications.

FEATURES

- Locking metal cabinet
- For indoor use
- Lock included
- 11.25" W x 14.25" H x 3.5" D

CAB-3

Metal Outdoor Cabinet



Product No. ACP00913

The CAB-3 is a NEMA 3R rated metal cabinet for housing the AP-5 or AM3Plus. It is for use in outdoor applications.

FEATURES

- Locking metal cabinet
- For exterior use
- NEMA 3R rated
- Lock included
- Provisions for padlock
- 12" W x 12" H x 4" D

The following transmitters are compatible with Linear access control receivers. Please reference the Linear Radio section of this catalog for specific information on each model.

FACTORY BLOCK CODED / KEYCHAIN MODELS



ACT-31B: 1-Channel Block Coded Key Ring Transmitter



ACT-34B: 4-Channel Block Coded Key Ring Transmitter



ACT-31D: 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag



ACT-34D: 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

FACTORY BLOCK CODED / VISOR MODELS



MT-1B: 1-Channel Block Coded Visor Transmitter



MT-2B: 2-Channel Block Coded Visor Transmitter

CUSTOM BLOCK CODED / KEYCHAIN MODELS



ACT-21B: 1-Channel Custom Block Coded Key Ring Transmitter



ACT-22B: 3-Channel Custom Block Coded Key Ring Transmitter



ACT-31C: 1-Channel Custom Block Coded Key Ring Transmitter



ACT-34C: 4-Channel Custom Block Coded Key Ring Transmitter

CUSTOM BLOCK CODED / VISOR MODELS



MDT-1B: 1-Channel Custom Block Coded Visor Transmitter



MDT-2B: 2-Channel Custom Block Coded Visor Transmitter



MDT-4B: 4-Channel Custom Block Coded Visor Transmitter

Door Operators

Sometimes less is a lot more. That's the case with the expanded line of Linear residential and commercial garage door operators. In many cases, because we use many of the same parts model to model, dealers can stock reduced inventory, yet offer a wider range of models. Chain or belt drive. Drawbar or Jackshaft. Different horsepower and voltages. You can mix and match the operators that move the best in your market.



1-2-3 INSTALLATIONS

Linear's extraordinary attention to design details will enable you to zip right through each job.

- Fast and easy rail connection
- Non-polarity beam and wall station wiring
- All sensitivity, limit adjustments, and transmitters learned on the same side of the head
- Wall station can mount to a single-gang electrical box or directly to the wall
- Beam bracket mounts to track or wall
- Dual beam brackets adjustable for any door
- Built-in diagnostics
- Tear strip on rail boxes
- Snap-in obstacle-sensing beams
- LEDs show power, as well as alignment
- Sonically sealed beams prevent water intrusion

For technical support or for assistance in designing a system using Linear Door Operator products, call us at (800) 421-1587.



FEATURE RICH

Linear operators come packed with standard features. On other operators, many of these features are options that cost extra or are not available at all.

- Gears mounted in transmission type case
- Worm gear reinforced ends with steel sleeve
- Drive shafts aligned with brass bushing
- One control board for all functions (AC units)
- Built-in vibration isolator hanging brackets on Linear's LSO & LCO models
- Built-in self diagnostics



THOROUGHLY TESTED

We test all our operators, not just as individual components, but as complete systems.

- 13-point function test — head to chain or belt, obstacle sensors to radio
- Results posted inside the operator case

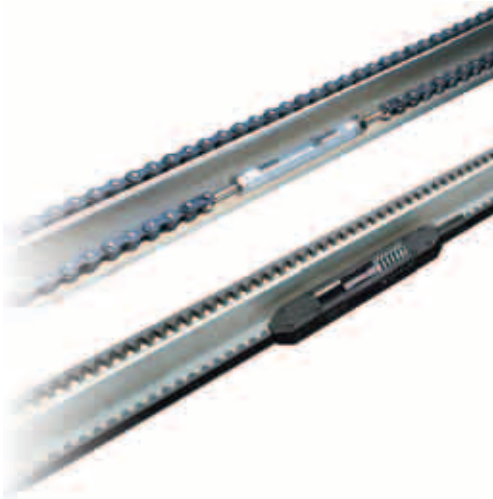
FACTORY BACKED

We stand behind our operators by offering the industry's most generous warranties and the industry's best customer support.

- Lifetime warranties on LSO and LDO 1/2 HP motors, LCO 3/4 HP motor, LDCO800N DC motor
- Lifetime warranty on HBT belts
- East and West Coast distribution centers
- National field sales and support network



Product No. LCO75



LCO75

3/4 HP Deluxe Dual Lamp Garage Door Operator

Powerful to lift heavier doors. Built-in vibration isolation system for both motor and chassis practically eliminates noise and vibration.

FEATURES

- For residential carriage house door and light commercial applications
- Compatible with belt-drive or chain-drive T or I beam rails up to 14'
- Easy upgrade to I beam rail conversion kits
- Diagnostic system indicates six possible trouble conditions
- Dual 100-watt courtesy lamps (bulbs not included)
- Built-in MegaCode format receiver
- All operator controls and indicators on one side

WARRANTIES

- Lifetime — Motor
- Lifetime — Belt
- 5 years — Chain rails HCT7C, HCT8C, HCT10, HCI12
- 5 years — Mechanical parts
- 1 year — Electrical

OVERALL LENGTH

LCO75 with HBT7C/HCT7C: 126.5"

LCO75 with HBT8C/HCT8C: 141"

LCO75 with HCT10C: 161.5"

LCO75 with HCI12: 193.8"

OVERALL WEIGHT

LCO75: 25 lbs.

HBT7C: 18 lbs.

HBT8C: 20 lbs.

HCT7C: 21 lbs.

HCT8C: 23 lbs.

HCT10C: 27 lbs.

HCI12: 54 lbs.



LSO50

1/2 HP Premium Dual Lamp Garage Door Operator

Dual-lamp 1/2 HP residential garage door operator with superior vibration isolation mounting brackets and noise dampening acoustical foam.

FEATURES

- Noise reduction technology
- Compatible with belt-drive or chain-drive T or I beam rails up to 10'
- Smooth, quiet operation
- Diagnostic system indicates six possible trouble conditions
- Dual 100-watt courtesy lights (bulbs not included)
- Built-in MegaCode format receiver
- All operator controls and indicators on one side

WARRANTIES

- Lifetime — Motor
- Lifetime — Belt
- 5 years — Chain rails HCT7C, HCT8C, HCT10C
- 5 years — Mechanical parts
- 1 year — Electrical

OVERALL LENGTH

LSO50 with HBT7C/HCT7C: 126.5"

LSO50 with HBT8C/HCT8C: 136"

LSO50 with HCT10C: 161.5"

OVERALL WEIGHT

LSO50: 21 lbs.

HBT7C: 18 lbs.

HBT8C: 20 lbs.

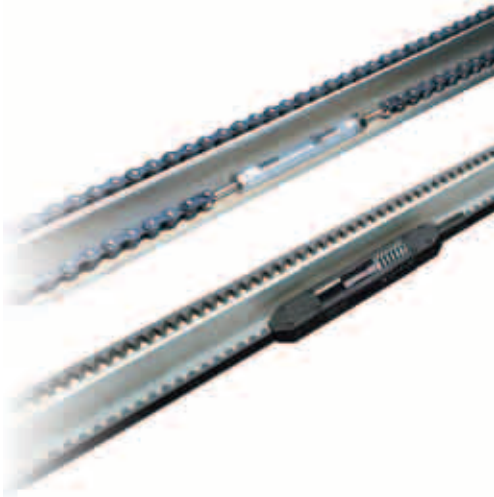
HCT7C: 21 lbs.

HCT8C: 23 lbs.

HCT10C: 27 lbs.

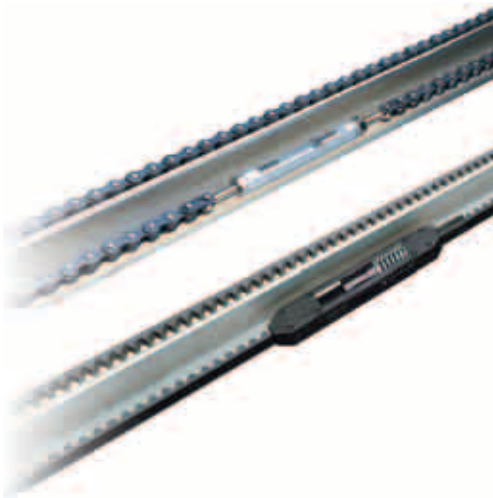


Product No. LSO50





Product No. LDCO800



LDCO800

800 Newton DC Powered Garage Door Operator

The energy-efficient, DC-powered operator that runs at an AC-equivalent speed. DC drive motor with smooth-start and soft-stop for ultra-quiet, long-term reliable performance.

FEATURES

- Superior, eco-friendly design
- Smooth start and soft stop for ultra-quiet operation
- Supplies 800 Newtons of lifting force for heavy doors
- Compatible with belt-drive or chain-drive T or I beam rails up to 10'
- Intelligent, self-learning, self-adjusting, torque settings
- 100-watt courtesy light (bulb not included)
- Built-in MegaCode format receiver

WARRANTIES

- Lifetime — Motor
- Lifetime — Belt
- 5 years — Chain rails HCT7C, HCT8C, HCT10C
- 5 years — Mechanical parts
- 1 year — Electrical

OVERALL LENGTH

LDCO800 with HBT7C/HCT7C: 124.5"

LDCO800 with HBT8C/HCT8C: 139"

LDCO800 with HCT10C: 159.5"

OVERALL WEIGHT

LDCO800: 16 lbs.

HBT7C: 18 lbs.

HBT8C: 20 lbs.

HCT7C: 21 lbs.

HCT8C: 23 lbs.

HCT10C: 27 lbs.

LDO50

1/2 HP Deluxe Single Lamp Garage Door Operator



Product No. LD050



Single-lamp 1/2 HP residential garage door operator.

FEATURES

- Compatible with belt-drive or chain-drive T or I beam rails up to 10'
- Rock solid performance
- Diagnostic system indicates six possible trouble conditions
- 100-watt courtesy light (bulb not included)
- Built-in MegaCode format receiver
- All operator controls and indicators on one side

WARRANTIES

- Lifetime — Motor
- Lifetime — Belt
- 5 years — Chain rails HCT7C, HCT8C, HCT10C
- 5 years — Mechanical parts
- 1 year — Electrical

OVERALL LENGTH

LDO50 with HBT7C/HCT7C: 122"

LDO50 with HBT8C/HCT8C: 137.5"

LDO50 with HCT10C: 157"

OVERALL WEIGHT

LDO50: 20 lbs.

HBT7C: 18 lbs.

HBT8C: 20 lbs.

HCT7C: 21 lbs.

HCT8C: 23 lbs.

HCT10C: 27 lbs.



Product No. LD033



LDO33

1/3 HP Standard Single Lamp Garage Door Operator

Single-lamp 1/3 HP residential garage door operator.

FEATURES

- Compatible with belt-drive or chain-drive T or I beam rails up to 10'
- Rock solid performance
- Diagnostic system indicates six possible trouble conditions
- 100-watt courtesy light (bulb not included)
- Built-in MegaCode format receiver
- All operator controls and indicators on one side

WARRANTIES

- 10 years — Motor
- Lifetime — Belt
- 5 years — Chain rails HCT7C, HCT8C, HCT10C
- 5 years — Mechanical parts
- 1 year — Electrical

OVERALL LENGTH

LDO33 with HBT7C/HCT7C: 122"

LDO33 with HBT8C/HCT8C: 137.5"

LDO33 with HCT10C: 157"

OVERALL WEIGHT

LDO33: 20 lbs.

HBT7C: 19 lbs.






HBT8C: 20 lbs.

HCT7C: 21 lbs.

HCT8C: 23 lbs.

HCT10C: 27 lbs.

Belt and Chain Drive Operator Specifications

Model Number	Power	Warranties	Standard Equipment	Options
LCO75 Belt or Chain Drive 	3/4 HP AC Motor	Lifetime - Motor Lifetime - Belt 5 years - Mechanical Parts 1 year - Electrical	<ul style="list-style-type: none"> Deluxe Wall Station MCT-3 3-Channel Visor Transmitter Isolation Bracket Noise Dampened 	<ul style="list-style-type: none"> 7, 8, 10 ft. T Rails 12, 14 ft. I-Beam Rails CHCR I-Beam Conversion Rails Complete family of MegaCode Transmitters and Receivers
LSO50 Belt or Chain Drive 	1/2 HP AC Motor	Lifetime - Motor Lifetime - Belt 5 years - Mechanical Parts 1 year - Electrical	<ul style="list-style-type: none"> Deluxe Wall Station MCT-3 3-Channel Visor Transmitter Isolation Bracket Noise Dampened 	<ul style="list-style-type: none"> 7, 8, 10 ft. T Rails CHCR I-Beam Conversion Rails Complete family of MegaCode Transmitters and Receivers
LDCO800 Belt or Chain Drive 	800 Newton DC Motor	Lifetime - Motor Lifetime - Belt 5 years - Mechanical Parts 1 year - Electrical	<ul style="list-style-type: none"> Deluxe Wall Station MCT-3 3-Channel Visor Transmitter Smooth Start Soft Stop 	<ul style="list-style-type: none"> 7, 8, 10 ft. T Rails CHCR I-Beam Conversion Rails Complete family of MegaCode Transmitters and Receivers
LDO50 Belt or Chain Drive 	1/2 HP AC Motor	Lifetime - Motor Lifetime - Belt 5 years - Mechanical Parts 1 year - Electrical	<ul style="list-style-type: none"> Deluxe Wall Station MCT-3 3-Channel Visor Transmitter 	<ul style="list-style-type: none"> 7, 8, 10 ft. T Rails CHCR I-Beam Conversion Rails Complete family of MegaCode Transmitters and Receivers
LDO33 Belt or Chain Drive 	1/3 HP AC Motor	10 years - Motor Lifetime - Belt 5 years - Mechanical Parts 1 year - Electrical	<ul style="list-style-type: none"> Deluxe Wall Station MCT-3 3-Channel Visor Transmitter 	<ul style="list-style-type: none"> 7, 8, 10 ft. T Rails CHCR I-Beam Conversion Rails Complete family of MegaCode Transmitters and Receivers

Standard Equipment

included

In addition to your choice of head units and belt or chain rail in multiple lengths, Linear systems come supplied with an easy-to-install obstacle sensing system (includes 35 feet of wire on each beam and 20 feet for wall station), all necessary mounting hardware, and the following items:



Deluxe Wall Station

- Controls for UP/DOWN/STOP, lights, vacation switch ON/OFF
- Backlit LEDs always on to enable users to find controls in the dark

MCT-3 3-Channel Visor Transmitter

- Three channels – homeowners with three operators (or who live in a gated community) need only one remote per car
- Red LED lets user know unit is transmitting
- Dual position visor clip

Obstacle-Sensing Beams

- Snap-in non-polarized obstacle-sensing beams
- Sonically sealed to prevent water intrusion



ACT-21A and ACT-22A



ACT-31B and ACT-31C



ACT-34B and ACT-34C



MCT-1



MCT-2



MCT-11



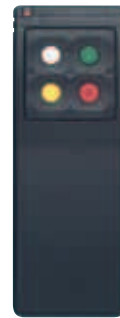
MCT-3



MDT-1A



MDT-2A



MDT-4A



FT-1



MDTK

TRANSMITTERS

- MCT-1 — 1-channel visor
- MCT-2 — 2-channel visor
- MCT-3 — 3-channel visor
- MCT-11 — 1-channel visor
- MDT-1A — deluxe 1-channel visor
- MDT-2A — deluxe 3-channel visor
- MDT-4A — deluxe 4-channel visor
- MT-1B — 1-channel visor
- MT-2B — 2-channel visor
- ACT-31C — 1-channel custom block-coded key ring
- ACT-34C — 4-channel custom block-coded key ring
- ACT-31B — 1-channel block-coded key ring
- ACT-34B — 4-channel block-coded key ring
- ACT-22A — 3-channel key ring
- MDTK — residential wireless keypad
- ACT-21A — 1-channel key ring
- ACT-21B — 1-channel, block-coded key ring
- ACT-22B — 3-channel, block-coded key ring

I-RAIL CONVERSION KITS

Add CHCR I-rail conversion to standard T-rails to create stronger rails for heavy doors.

- CHCR-7/8 — fits HBT7C, HCT7C, HBT8C, HCT8C
- CHCR-8 — fits HBT8C and HCT8C
- CHCR-10 — fits HCT10C

TEST EQUIPMENT

- FT-1 — RF Field tester

ACCESSORIES

- WIRE KIT — GDO wire and wire clips, 24 sets (Product number: HAE00009)
- CLIP KIT — Wire clips for GDO rails, 100 pieces (Product number: HAE00019)
- GEL CAP KIT — Wire splices for GDO wiring, 100 pieces (Product number: HAE00020)
- Center Support Bracket (CSB) — Used with I beam rails or conversion rails



Product No. MVP50

MVP50

1/2 HP Chain-Drive Residential Garage Door Operator

Single-lamp 1/2 HP chain-drive residential garage door operator.

FEATURES

- V-belt drive system - no plastic gears
- Full roller chain final drive
- Thermally protected motor
- Heavy-duty, one-piece T-rail and steel trolley
- Ideal for carriage house doors

RAIL OPTIONS

- MCT7 - 7 ft. chain assembly
- MCT8 - 8 ft. chain assembly
- MCT10 - 10 ft. chain assembly

WARRANTIES

- Life — motor
- 20 years — drive system
- 2 years — electronics

CONTROLS

- Advanced MVP radio controls with Quik-Code™ programming
- 3-button MVP transmitter
- 7-function Super Deluxe Wall Station with keyless entry control option

SAFETY

- Advanced MVP “Smart” Radio system
- Multiple obstruction-sensing modes
- “SafeFinish” photobeam system



Product No. 190-111958

MVP-SB

1/2 HP SuperBelt Residential Garage Door Operator

Single-lamp 1/2 HP belt-drive residential garage door operator.

FEATURES

- Shock-absorbing door arm for sectional doors
- Total belt drive system - no plastic gears
- Final drive uses steel reinforced, toothed, quick-fit belt
- Noise reduction; sound-deadening composite on frame and cover; isolation mounts
- Thermally protected motor
- Heavy-duty, one-piece T-rail and all steel trolley
- Ideal for carriage house doors

RAIL OPTIONS

- 190-112303 - 7 ft. belt assembly
- 190-112304 - 8 ft. belt assembly
- 190-112922 - 10 ft. belt assembly

WARRANTIES

- Lifetime — motor and belt
- 20 years — drive system
- 2 years — electronics

CONTROLS

- Advanced MVP radio controls with Quik-Code™ programming
- 3-button MVP transmitter
- 7-function Super Deluxe Wall Station with keyless entry control option

SAFETY

- Advanced MVP “Smart” Radio system
- Multiple obstruction-sensing modes
- “SafeFinish” photobeam system

Standard Equipment

Included with MVP Operators

Linear's MVP50 and MVP-SB residential garage door operators are equipped with these items standard.



OPTICAL OBSTACLE SENSING

All Linear MVP GDO systems come standard with the Safe Finish photo beam system that is easy-to-install, all necessary mounting hardware, an 80 foot spool of wire for the beams and wall station, plus the following controls:



SUPER DELUXE WALL STATION

This vital control station mounts either to a single-gang electrical box or directly to the wall. It has separate controls for light, a recessed radio learn button, vacation switch ON/OFF, and UP/DOWN. Backlit LEDs are always on to enable users to find controls in the dark.



MVP-QC 3-BUTTON QUICK-CODE VISOR TRANSMITTER

Homeowners with two operators (or who live in a gated community) only need one remote per car because this model has three channels. A red LED lets the user know when it is transmitting. The MVP-QC is designed to easily fit in the user's hand or clip to a car visor.

Optional MVP Equipment



MVP-QC Product No. 190-110925

TRANSMITTERS

- MVP-QC — 3-Button MVP Quik-Code Transmitter
- MVP-WKE — Wireless Keypad

RAILS

Linear's MVP operators can be used with 7, 8, 10 foot chain or belt rails.

TEST EQUIPMENT

- FT-1 — RF Field tester LDR00001

ACCESORIES

- WIRE KIT — GDO wire and wire clips, 24 sets (Product number: HAE00009)
- CLIP KIT — Wire clips for GDO rails, 100 pieces (Product number: HAE00019)
- GEL CAP KIT — Wire splices for GDO wiring, 100 pieces (Product number: HAE00020)



MVP-WKE Product No. 190-110927



FT-1 Product No. LDR00001

The v2010 Solid State Controller

It's not just a board, it's an entire system!



Linear commercial door operators feature a solid state controller that reduces complexity of the operator and simplifies installation. It makes the operator ready right out of the box for most applications and reduces the “learning curve” for new installers. Many options are built-in so they don’t require special ordering from the factory. (Controller board not applicable to Model LCO75.)

FEATURES

- Used in single and 3-phase operators
- UL325 Listed
- Rated for continuous duty
- Reduces operator complexity
- Simplifies installation
- Reduces the “learning curve” for new installers
- Diagnostic LED indicators
- Wire harness connections for ease of service, no point-to-point wiring
- On-board OPEN/CLOSE/STOP buttons for service and adjustments
- Terminals labeled and grouped by function
- Six selectable operating modes; B2, C2, E2, etc.
- Seven adjustable features
- Auto-detect monitored photo beam or optical sensing edge for simplified installation
- Plug-in MVP receiver module compatible with Allstar & MVP transmitters
- Field adjustable built-in functions; timer to close, mid-stop, delay on reverse, maximum run time, etc.
- Single (five relay) replacement board services all Linear solid state commercial door operators
- Logic functions controlled by microprocessor
- Permanent memory saves user settings even if power is removed
- Finger-safe high voltage connection for power and motor
- Rated for horsepower and voltage
- Configured for motor type
- Can control contactor for high HP applications
- Only two limits required; open & close
- Close limit functions as reversing cutout and close limit
- Provision for interlock (disconnect, pass-door, etc.)

External Entrapment Protection Devices

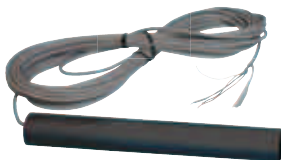
UL325 2010 requires the use of approved monitored external entrapment protection devices or the operator must be constant pressure to close. Linear offers a broad range of approved devices:



Linear Photo Eyes:
Easy to adjust, 25' range



MillerEdge (ME and MT Families):
Many different edge styles with monitoring



OPTOEDGE by FRABA:
Field configurable enclosed optical edge



OPTOEYE by FRABA:
NEMA4 photo eyes, uses common emitter/detector with the OPTOEDGE

CDO Series Selection Guide

Match the Duty to the Door



Selecting the correct commercial operator and accessories for your specific application is a straight forward process: Just follow these three easy steps:

- 1 From the chart, find the Series of the model which fits the general specifications for your application. Then turn to the section in this book which includes the models and specifications for that series.
- 2 From the Models and Specifications Charts, choose the correct operator for your specific application. Consult the features listed as required. For unusual applications, call Linear for technical assistance.
- 3 Choose the options your specific application requires from the information listed in the Model and Specifications Charts. For center mount and rolling steel doors, determine the door size, shaft diameter, keyway, and number of door shaft turns to fully open the door.

	Standard Lift Sectional Doors	Vertical & High Lift Sectional Doors	Rolling Steel Curtain Doors
Light Duty 13 Cycles/Hour 50 Cycles/Day	LCO	-	-
Medium Duty 10 Cycles/Hour 75 Cycles/Day	MD	MJ	MH
Heavy Duty Continuous Cycling 25 Cycles/Hour 100 Cycles/Day	T	MGH J H	MGH H
Extended Duty Applications 35 Cycles/Hour 100+ Cycles/Day	AUD	AUJ	AUH
Extra Heavy Duty Applications 35 Cycles/Hour 150+ Cycles/Day	GT	MO	MO

LC075

Light Duty Drawbar Commercial Door Operator



Product No. LC075

3/4 HP Drawbar garage door operator for standard lift sectional doors.

RATINGS

- 115 VAC, Single phase, 3/4 HP only
- Maximum duty cycle: 13 cycles per hour, 50 cycles per day
- Maximum door height: 14 feet
- Shipping weight: 63 lbs.

FEATURES

- Noise-reducing technology for quieter operation
- Quick release door arm for manual operation
- Automatic reconnect trolley
- Standard door speed is approximately 9 inches per second
- Standard rail and chain assemblies for 8, 10, 12, and 14 foot doors
- Motor thermal overload protection
- Torque sensing reversing
- Solid state control circuitry
- Deluxe lighted wall station
- 3-Button MegaCode transmitter
- Built-in MegaCode receiver
- Includes infrared photo eye safety beam
- Dual courtesy lights

RAIL OPTIONS

- 12-foot rail (includes HCI12 12' chain I-rail)
- 14-foot rail (includes HCI12 12' chain I-rail and HCI+2 2' chain I-rail extension)
- CHCR-10 bolt-on I-rail conversion kit for carriage house doors, fits HCT10C 10-ft chain drive rail

WARRANTIES

- Lifetime — Motor
- 5 years — Chain
- 5 years — Mechanical parts
- 1 year — Electrical

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)
Fiberglass	250
Steel-24 Ga. Steel-22 Ga. Aluminum	210
Wood Steel-20 Ga. Steel-24 Ga. insulated	180
Steel-16 Ga. Steel-20 Ga. insulated	120



Product No. MD5011S

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)
Fiberglass	310
Steel-24 Ga. Steel-22 Ga. Aluminum	260
Wood Steel-20 Ga. Steel-24 Ga. insulated	225
Steel-16 Ga. Steel-20 Ga. insulated	150
Steel-16 Ga. insulated	100

MD Series

Medium Duty Drawbar Commercial Door Operator

1/2 HP Drawbar garage door operator for standard lift sectional doors.

RATINGS

- 115 VAC, Single phase, 1/2 HP only
- Maximum duty cycle: 10 cycles per hour, 75 cycles per day
- Maximum door height: 14 feet
- Shipping weight: 115 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All Steel Frame
- V-Belt drive from motor to clutch shaft
- Adjustable friction clutch
- Full #65 Roller Chain Drive
- Quick release door arm for manual door operation
- Standard door speed is approximately 11 inches per second
- Standard rail & chain assembly for door up to 12' 6" high
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- 1/2 HP rigid base permanent split capacitor motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

RAIL OPTIONS

- Rail for up to 14' 6" high doors

COMMON OPTIONS

- Linear Photo Beam Kit: HAE00056
- Solenoid brake: Add -BK to model number
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years



Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)		
	310	420	570
Fiberglass			
Steel-24 Ga. Steel-22 Ga. Aluminum	285	350	520
Wood Steel-20 Ga. Steel-24 Ga. insulated	260	320	480
Steel-16 Ga. Steel-20 Ga. insulated	175	250	380
Steel-16 Ga. insulated	125	200	280
Operator size to use	1/3 HP	1/2 HP	3/4 HP

MODEL	HP	VOLTAGE & PHASE
T3311S	1/3	115V 1P
T3321S		230V 1P
T3323S		230V 3P
T3343S		460V 3P
T5011S	1/2	115V 1P
T5021S		230V 1P
T5023S		230V 3P
T5043S		460V 3P
T7511S	3/4	115V 1P
T7521S		230V 1P
T7523S		230V 3P
T7543S		460V 3P

T Series

Heavy-Duty Drawbar Commercial Door Operator

Heavy-duty drawbar garage door operator for standard lift sectional doors.

RATINGS

- Maximum duty cycle: 25 cycles per hour, 100 cycles per day
- Maximum door height: 22-1/2 feet
- Shipping weight: 135 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All welded steel frame
- 5L V-Belt drive from motor to clutch shaft
- #65 Roller chain on 1/3 and 1/2 HP
- #41 Roller chain on 3/4 HP
- Quick disconnect door arm for manual door operation
- Solenoid brake standard on 3/4 HP (optional on 1/3 & 1/2 HP)
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single-button (residential type) radio control

RAIL OPTIONS

- Rail for up to 14' 6" high doors
- Rail for up to 16' 6" high doors
- Rail for up to 18' 6" high doors
- Rail for up to 20' 6" high doors
- Rail for up to 22' 6" high doors

COMMON OPTIONS

- Linear Photo Beam Kit: HAE00056
- Solenoid brake: Add -BK to model number
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

AUD Series

Extended-Duty Drawbar Commercial Door Operator



Product No. See table below

Extended-duty drawbar garage door operator for standard lift sectional doors.

RATINGS

- Maximum duty cycle: 35 cycles per hour, 100+ cycles per day
- Maximum door height: 22-1/2 feet
- Shipping weight: 130 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All Steel frame
- Adjustable friction clutch
- 3/4" Shafting used throughout
- #65 Roller chain on 1/3 HP
- #41 Roller chain on 1/2, 3/4 HP
- Solenoid brake standard on 3/4 HP (optional on 1/3 & 1/2 HP)
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)		
	330	420	570
Fiberglass	330	420	570
Steel-24 Ga. Steel-22 Ga. Aluminum	310	395	540
Wood Steel-20 Ga. Steel-24 Ga. insulated	280	340	500
Steel-16 Ga. Steel-20 Ga. insulated	195	275	400
Steel-16 Ga. insulated	145	225	300
Operator size to use	1/3 HP	1/2 HP	3/4 HP

RAIL OPTIONS

- Rail for up to 14' 6" high doors
- Rail for up to 16' 6" high doors
- Rail for up to 18' 6" high doors
- Rail for up to 20' 6" high doors
- Rail for up to 22' 6" high doors

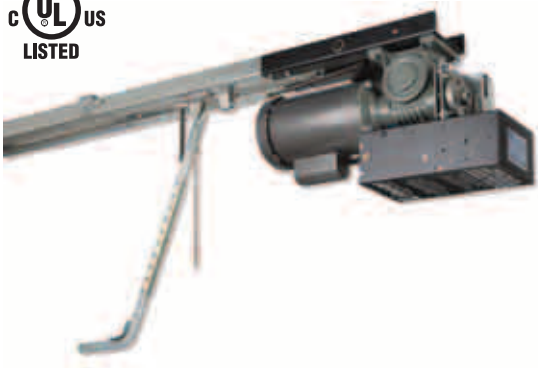
COMMON OPTIONS

- Linear Photo Beam Kit: HAE00056
- Solenoid brake: Add -BK to model number
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

MODEL	HP	VOLTAGE & PHASE
AUD3311S	1/3	115V 1P
AUD3321S		230V 1P
AUD3323S		230V 3P
AUD3343S		460V 3P
AUD5011S	1/2	115V 1P
AUD5021S		230V 1P
AUD5023S		230V 3P
AUD5043S		460V 3P
AUD7511S	3/4	115V 1P
AUD7521S		230V 1P
AUD7523S		230V 3P
AUD7543S		460V 3P



Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)		
	420	570	625
Fiberglass			
Steel-24 Ga. Steel-22 Ga. Aluminum	350	520	575
Wood Steel-20 Ga. Steel-24 Ga. insulated	320	480	525
Steel-16 Ga. Steel-20 Ga. insulated	250	380	425
Steel-16 Ga. insulated	200	280	325
Operator size to use	1/2HP	3/4HP	1HP

MODEL	HP	VOLTAGE & PHASE
GT5011S	1/2	115V 1P
GT5021S		230V 1P
GT5023S		230V 3P
GT5043S		460V 3P
GT7511S	3/4	115V 1P
GT7521S		230V 1P
GT7523S		230V 3P
GT7543S		460V 3P
GT10011S	1	115V 1P
GT10021S		230V 1P
GT10023S		230V 3P
GT10043S		460V 3P

GT Series

Extra Heavy-Duty Gear Reduced Drawbar Commercial Door Operator

Extra heavy-duty gear reduced drawbar garage door operator for standard lift sectional doors.

RATINGS

- Maximum duty cycle: 35 cycles per hour, 150+ cycles per day
- Maximum door height: 22-1/2 feet
- Shipping weight: 170 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All steel frame
- Oil bath gear reduction unit
- Quick disconnect door arm for manual door operation
- #41 roller chain drive
- Standard door speed approximately 11 inches per second
- Adjustable Torque Converter
- Solenoid brake standard
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- TEFC Motor standard on single phase 1 HP and over, and all 3 phase operators
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

RAIL OPTIONS

- Rail for up to 14' 6" high doors
- Rail for up to 16' 6" high doors
- Rail for up to 18' 6" high doors
- Rail for up to 20' 6" high doors
- Rail for up to 22' 6" high doors

COMMON OPTIONS

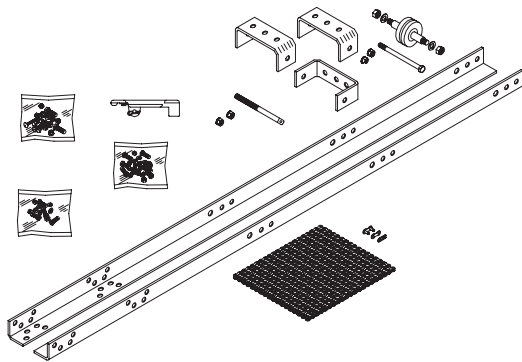
- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

Drawbar Rails & Chains

Rail and Chain/Hardware Kits for Drawbar Operators



Drawbar/trolley operators require: Separately ordered rails and hardware kits. Longer rail and chain/hardware kits are available.

RAIL SELECTION

- From the first chart, choose a rail length that matches the door height. Most models fit multiple size doors. They are pre-drilled and marked to aid in cutting the rail to the desired length to fit the installation.
- Order two of the rail part numbers for each operator installation. One part will become the left side, and the other part will become the right side after the rail is assembled.
- From the second chart, choose a chain/hardware Kit that has the correct size chain for the operator, and the correct length of chain for the door height. Weather resistant nickel chain is also available in select lengths for rough service applications. The chain/hardware Kits include brackets, hardware, and chain.

OPERATOR RAILS (ORDER TWO PER OPERATOR)		
PART NUMBER	FITS DOOR HEIGHT	UNCUT SIZE
190-107358	10-FOOT 12-FOOT, OR 14-FOOT	2" x 2" x 204"
190-106719	16-FOOT OR 18-FOOT	2" x 2" x 252"
190-106721	20-FOOT OR 22-FOOT	2" x 2" x 300"
190-106722	24 FOOT	2" x 2" x 324"

CHAIN / HARDWARE KITS (ORDER ONE PER OPERATOR)			
Model MD: Uses #65 Chain			
Model AUD: Uses #65 Chain on 1/3 HP, #41 Chain on higher HP			
Model T: Uses #65 Chain on 1/3 & 1/2 HP, #41 Chain on higher HP			
Model GT: Uses #41 Chain for all HP			
PART NUMBER	CHAIN SIZE	CHAIN TYPE	DOOR HEIGHT
190-106936	#41	Standard	8-FOOT
190-106938	#41	Standard	10-FOOT
190-106940	#41	Standard	12-FOOT
190-106942	#41	Standard	14-FOOT
190-106944	#41	Standard	16-FOOT
190-106946	#41	Standard	18-FOOT
190-106948	#41	Standard	20-FOOT
190-106774	#41	Standard	22-FOOT
190-110082	#41	Standard	24-FOOT
190-108452	#41	Weather resistant nickel chain	12-FOOT
190-108454	#41	Weather resistant nickel chain	14-FOOT
190-108954	#41	Weather resistant nickel chain	16-FOOT
190-106935	#65	Standard	8-FOOT
190-106937	#65	Standard	10-FOOT
190-106939	#65	Standard	12-FOOT
190-106941	#65	Standard	14-FOOT
190-106943	#65	Standard	16-FOOT
190-106945	#65	Standard	18-FOOT
190-106947	#65	Standard	20-FOOT
190-107880	#65	Weather resistant nickel chain	10-FOOT
190-108451	#65	Weather resistant nickel chain	12-FOOT
190-108453	#65	Weather resistant nickel chain	14-FOOT
190-109009	#65	Weather resistant nickel chain	16-FOOT

MJ Series

Medium Duty Jackshaft Commercial Door Operator



Product No. MJ5011S

Equipped with Floor Level Disconnect

1/2 HP Jackshaft garage door operator for vertical and high lift sectional doors.

RATINGS

- 115 VAC, Single phase, 1/2 HP only
- Maximum duty cycle: 10 cycles per hour, 75 cycles per day
- Maximum door height: 14 feet
- Shipping weight: 60 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- Solenoid brake standard
- All steel frame
- V-belt drive from motor to clutch shaft
- Adjustable friction clutch
- Floor level disconnect for manual door operation
- Manual operation will not affect limit switch settings
- 41B30 door sprocket and #41 drive chain supplied
- Standard door speed is approximately 11 inches per second
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- 1/2 HP rigid base permanent split capacitor motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)
Fiberglass	320
Steel-24 Ga. Steel-22 Ga. Aluminum	275
Wood Steel-20 Ga. Steel-24 Ga. insulated	250
Steel-16 Ga. Steel-20 Ga. insulated	160
Steel-16 Ga. insulated	120

COMMON OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed P/N 2650-159

WARRANTY

- 2 years



Product No. MH5011S

Equipped with
Chain Hoist and
Floor Level Disconnect

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)
Fiberglass	320
Steel-24 Ga. Steel-22 Ga. Aluminum	275
Wood Steel-20 Ga. Steel-24 Ga. insulated	250
Steel-16 Ga. Steel-20 Ga. insulated	160
Steel-16 Ga. insulated	120

MH Series

Medium Duty Jackshaft Commercial Door Operator

1/2 HP Jackshaft garage door operator for rolling steel curtain doors.

RATINGS

- 115 VAC, Single phase, 1/2 HP only
- Maximum duty cycle: 10 cycles per hour, 75 cycles per day
- Maximum door height: 14 feet
- Shipping weight: 80 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- Solenoid brake standard
- All steel frame
- V-belt drive from motor to clutch shaft
- Adjustable friction clutch
- Floor level disconnect for manual door operation and chain hoist with interlock
- Manual operation will not affect limit switch settings
- 41B30 door sprocket and #41 drive chain supplied
- Standard door speed is approximately 11 inches per second
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- 1/2 HP rigid base permanent split capacitor motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

COMMON OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

J Series

Heavy-Duty Jackshaft Commercial Door Operator



Equipped with Floor Level Disconnect

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)			
	330	420	570	700
Fiberglass				
Steel-24 Ga. Steel-22 Ga. Aluminum	310	375	540	625
Wood Steel-20 Ga. Steel-24 Ga. insulated	280	340	500	560
Steel-16 Ga. Steel-20 Ga. insulated	195	275	400	420
Steel-16 Ga. insulated	145	225	300	310
Operator size to use	1/3 HP	1/2 HP	3/4 HP	1 HP

MODEL	HP	VOLTAGE & PHASE
J3311S	1/3	115V 1P
J3321S		230V 1P
J3323S		230V 3P
J3343S		460V 3P
J5011S	1/2	115V 1P
J5021S		230V 1P
J5023S		230V 3P
J5043S		460V 3P
J7511S	3/4	115V 1P
J7521S		230V 1P
J7523S		230V 3P
J7543S		460V 3P
J10023S	1	230V 3P
J10043S		460V 3P

Heavy-duty jackshaft garage door operator for vertical and high lift sectional doors.

RATINGS

- Maximum duty cycle: 25 cycles per hour, 100 cycles per day
- Maximum door height: 24 feet
- Shipping weight: 85 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All Steel Frame
- All gears and pulleys pinned or keyed
- Adjustable friction type clutch
- Floor level disconnect
- #50 Drive sprocket and chain
- Solenoid brake standard
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single-button (residential type) radio control

FACTORY OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed P/N 2650-159

WARRANTY

- 2 years

H Series

Heavy-Duty Jackshaft Commercial Door Operator



Equipped with Chain Hoist and Floor Level Disconnect

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)			
	330	420	570	700
Fiberglass				
Steel-24 Ga. Steel-22 Ga. Aluminum	310	375	540	625
Wood Steel-20 Ga. Steel-24 Ga. insulated	280	340	500	560
Steel-16 Ga. Steel-20 Ga. insulated	195	275	400	420
Steel-16 Ga. insulated	145	225	300	310
Operator size to use	1/3 HP	1/2 HP	3/4 HP	1 HP

MODEL	HP	VOLTAGE & PHASE
H3311S	1/3	115V 1P
H3321S		230V 1P
H3323S		230V 3P
H3343S		460V 3P
H5011S	1/2	115V 1P
H5021S		230V 1P
H5023S		230V 3P
H5043S		460V 3P
H7511S	3/4	115V 1P
H7521S		230V 1P
H7523S		230V 3P
H7543S		460V 3P
H10023S	1	230V 3P
H10043S		460V 3P

Heavy-duty jackshaft garage door operator for vertical or high lift sectional doors and rolling steel curtain doors.

RATINGS

- Maximum duty cycle: 25 cycles per hour, 100 cycles per day
- Maximum door height: 24 feet
- Shipping weight: 105 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed (see Page 30)
- All Steel Frame
- All gears and pulleys pinned or keyed
- Adjustable friction type clutch
- Chain hoist with electrical interlock
- Floor level disconnect
- #50 Drive sprocket and chain
- Solenoid brake standard
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single-button (residential type) radio control

FACTORY OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

AUJ Series

Extended-Duty Jackshaft Commercial Door Operator



Equipped with Floor Level Disconnect

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)	
	Fiberglass	330
Steel-24 Ga. Steel-22 Ga. Aluminum	310	375
Wood Steel-20 Ga. Steel-24 Ga. insulated	280	340
Steel-16 Ga. Steel-20 Ga. insulated	195	275
Steel-16 Ga. insulated	145	225
Operator size to use	1/3 HP	1/2 HP

MODEL	HP	VOLTAGE & PHASE
AUJ3311S	1/3	115V 1P
AUJ3321S		230V 1P
AUJ3323S		230V 3P
AUJ3343S		460V 3P
AUJ5011S	1/2	115V 1P
AUJ5021S		230V 1P
AUJ5023S		230V 3P
AUJ5043S		460V 3P

Extended-duty jackshaft garage door operator for vertical and high lift sectional doors.

RATINGS

- Maximum duty cycle: 35 cycles per hour, 100+ cycles per day
- Maximum door height: 24 feet
- Shipping weight: 90 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All Steel frame
- Adjustable friction clutch
- 3/4" Shafting and 1" Jackshaft
- Pillow block bearings on output shaft
- Floor level disconnect
- #41 Chain and Sprocket, 1/3 & 1/2 HP
- Solenoid brake standard
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

FACTORY OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years



Equipped with
Chain Hoist and
Floor Level Disconnect

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)			
	330	420	570	700
Fiberglass				
Steel-24 Ga. Steel-22 Ga. Aluminum	310	375	540	625
Wood Steel-20 Ga. Steel-24 Ga. insulated	280	340	500	560
Steel-16 Ga. Steel-20 Ga. insulated	195	275	400	420
Steel-16 Ga. insulated	145	225	300	310
Operator size to use	1/3 HP	1/2 HP	3/4 HP	1 HP

MODEL	HP	VOLTAGE & PHASE
AUH3311S	1/3	115V 1P
AUH3321S		230V 1P
AUH3323S		230V 3P
AUH3343S		460V 3P
AUH5011S	1/2	115V 1P
AUH5021S		230V 1P
AUH5023S		230V 3P
AUH5043S		460V 3P
AUH7511S	3/4	115V 1P
AUH7521S		230V 1P
AUH7523S		230V 3P
AUH7543S		460V 3P
AUH10023S	1	230V 3P
AUH10043S		460V 3P

AUH Series

Extended-Duty Jackshaft Commercial Door Operator

Heavy-duty jackshaft garage door operator for rolling steel curtain doors.

RATINGS

- Maximum duty cycle: 35 cycles per hour, 100+ cycles per day
- Maximum door height: 24 feet
- Shipping weight: 110 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- All Steel frame
- Adjustable friction clutch
- 3/4" Shafting and 1" Jackshaft
- Pillow block bearings on output shaft
- Chain hoist with interlock and floor level disconnect
- #41 Chain and Sprocket, 1/3 & 1/2 HP
- #40 Chain and Sprocket, 3/4 & 1 HP
- Solenoid brake standard
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

FACTORY OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

MO Series

Extra Heavy-Duty Gearhead Jackshaft Commercial Door Operator



Equipped with Chain Hoist and Floor Level Disconnect

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)				
	325	480	650		
Fiberglass					
Steel-24 Ga. Steel-22 Ga. Aluminum	300	430	560		
Wood Steel-20 Ga. Steel-24 Ga. insulated	275	390	500	680	
Steel-16 Ga. Steel-20 Ga. insulated	225	275	325	425	560
Steel-16 Ga. insulated	175	225	300	375	460
Operator size to use	1/2 HP	3/4 HP	1 HP	1-1/2 HP	2 HP

MODEL	HP	VOLTAGE & PHASE
MO5011S	1/2	115V 1P
MO5021S		230V 1P
MO5023S		230V 3P
MO5043S		460V 3P
MO7511S	3/4	115V 1P
MO7521S		230V 1P
MO7523S		230V 3P
MO7543S		460V 3P
MO10011S	1	115V 1P
MO10021S		230V 1P
MO10023S		230V 3P
MO10043S		460V 3P
MO15011S	1-1/2	115V 1P
MO15021S		230V 1P
MO15023S		230V 3P
MO15043S		460V 3P
MO20023S	2	230V 3P
MO20043S		460V 3P

Extra heavy-duty gearhead jackshaft garage door operator for vertical or high lift sectional doors and rolling steel curtain doors.

RATINGS

- Maximum duty cycle: 35 cycles per hour, 150+ cycles per day
- Maximum door height: 24 feet
- Shipping weight: 135 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- Oil bath gear reduction unit
- Chain hoist with electrical interlock
- #50 Chain and sprocket, 1/2 - 1HP
- #60 Chain and sprocket, 1-1/2 - 2HP
- Solenoid brake standard
- TEFC Motor standard on single phase 1 HP and over, and all 3 phase operators
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control

FACTORY OPTIONS

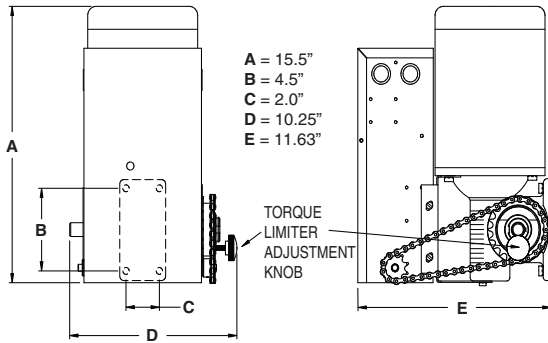
- Linear Photo Beam Kit: HAE00056
- Hood mounting bracket: P/N 190-107209
- Wall mounting bracket: P/N 190-107638
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

MGH Series

Special Service Gearhead Jackshaft Commercial Door Operator



Special service gearhead jackshaft garage door operator for vertical or high lift sectional doors and rolling steel curtain doors.

RATINGS

- Maximum duty cycle: 25 cycles per hour, 100 cycles per day
- Maximum door height: 18 feet
- Shipping weight: 70 lbs.

FEATURES

- Solid state control circuit
- Constant pressure required to close if no entrapment devices are installed
- Oil-bath worm gear reduction unit
- Self locking gearing
- Adjustable torque limiter
- Release for manual operation
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- High starting torque, continuous duty motor
- 24-Volt control circuit with OPEN, CLOSE and STOP 3-button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control
- TEFC Motor standard on all 3 phase operators

Product No. See table below

DOOR TYPE	MAXIMUM DOOR AREA (SQ. FEET)	
	280	420
Fiberglass	280	420
Steel-24 Ga. Steel-22 Ga. Aluminum	230	320
Wood Steel-20 Ga. Steel-24 Ga. insulated	200	280
Steel-16 Ga. Steel-20 Ga. insulated	160	220
Steel-16 Ga. insulated	120	160
Operator size to use	1/3 HP	1/2 HP

FACTORY OPTIONS

- Linear Photo Beam Kit: HAE00056
- MVP-MR 3-channel open-close-stop modular receiver installed: P/N 2650-159

WARRANTY

- 2 years

MODEL	HP	VOLTAGE & PHASE
MGH3311S	1/3	115V 1P
MGH3321S		230V 1P
MGH3323S		230V 3P
MGH3343S		460V 3P
MGH5011S	1/2	115V 1P
MGH5021S		230V 1P
MGH5023S		230V 3P
MGH5043S		460V 3P

Factory Options

Drive Train Modification Selection Guide

When ordering a commercial door operator, there are several options for specific applications that can be selected. Most of these options are factory installed modifications, some may require assembly in the field.

- 1 From the chart below, choose the factory options that will be required for the application. Each option is explained in the chart.
- 2 Looking at the chart, verify that the modification desired is available for the model of operator being ordered. Some modifications are not compatible with certain models.
- 3 Add the modification part number to your operator order. Some modifications are ordered by simply adding the part number to the end of the operator's part number.

DRIVE TRAIN MODIFICATION SELECTION CHART																
PART #	DESCRIPTION	LCO	MD	T	AUD	GT	MJ	MH	J	H	AUJ	AUH	MO	MGH	M6H	
-BK	Solenoid Brake Adds a solenoid activated brake to prevent door from drifting down after stopping		◆	◆ ✦	◆ ✦	□	□	□	□	□	□	□	□	□		
-FC	Friction Clutch Adjustable clutch to control door force												◆			
-BB	High Cycle Roller Bearing Modification Operator bearings are for high cycle service			◆	◆				◆	◆	◆	◆				
-XBK	External Brake Shoe Modification Provides a single external shoe brake on motor, 115 V only, No charge on 3/4 HP or larger units		◆	◆	◆		♣	◆	♣	♣	♣	♣				
-DC	Direct Couple - Side Mount Connects output shaft directly to door torsion bar										◆	◆				
-CM	Center Mount Modification Modifies operator for center mounting								◆		◆					
-50	#50 Drive Chain and Sprockets in lieu of #41										◆	◆				
-60	#60 Drive Chain and Sprockets in lieu of #50								◆	◆						
190-101524	Shaft Support Bracket Kit ★ Chain tension kit to reduce drive chain slack, For 1" diameter shafts ONLY						◆	◆	◆	◆	◆	◆	◆	◆	◆	
190-106472	Chain Hoist for Drawbar Operator ★ Hoist for drawbar operators with #41 chain		◆	◆	◆											
190-104034	Auxiliary Hoist ★ Hoist for center mount jackshaft operators								◆		◆					
190-109645	Auxiliary Trolley Kit † Single drawbar/trolley conversion kit for jackshaft operators, #41 chain, (12' 6" rail adder applies)								◆	◆	◆	◆	◆			
190-109646	Dual Auxiliary Trolley Kit ‡ Dual drawbar/trolley conversion kit for jackshaft operators, #41 chain, (12' 6" rail adder applies)								◆	◆	◆	◆	◆			
190-109648	Dual Trolley Drive Kit ‡ Adds second drawbar/trolley to drawbar operator, #41 or #65 chain, (12' 6" rail adder applies)			◆	◆	◆										
190-109829	Minimum Depth Modification Places head parallel to rail to reduce tail overhang, #41 chain			◆												
190-107016	Slow Door Speed Modification Modification to slow operator, #65 chain			◆		◆										
190-109155	Slow Door Speed Modification Modification to slow operator, #41 chain			◆		◆										
	Rolling Steel Door Modification Modifies operator for rolling steel door											◆				

◆ = Available for the operator model S = Standard equipment for the operator model ✦ = Standard equipment for 3/4 & 1 HP models
 ★ = Field assembly required † = Field assembly required, add to order one rail kit and two rails ‡ = Field assembly required, add to order two rail kits and four rails ♣ = No charge on these operators, regardless of HP

Factory Options

Environmental Modification Selection Guide

When ordering a commercial door operator, there are several options for specific applications with special environmental requirements that can be selected. These options are all factory installed modifications

- 1 From the chart below, choose the factory environmental options that will be required for the application. Each option is explained in the chart.
- 2 Looking at the chart, verify that the modification desired is available for the model of operator being ordered. Some modifications are not compatible with certain models.
- 3 Add the modification part number to the end of the operator's part number.

ENVIRONMENTAL MODIFICATION SELECTION CHART														
PART #	DESCRIPTION	LCO	MD	AUD	T	GT	MJ	MH	AUJ	AUH	J	H	MO	MGH
-TEFC	TEFC Motor (Totally Enclosed Fan Cooled)			◆	◆	◆			◆	◆	◆	◆	◆	
-N12	Control Enclosure Modification				◆				◆	◆	◆	◆	◆	
-N12P	NEMA 12/13 Oil-tight/Dust-tight Package					◆							◆	
-WASH	NEMA 4 Water Resistant Modification				◆	◆					◆		◆	
-N4X	NEMA 4X Corrosion Resistant Modification												◆	
-N7P	NEMA 7/9 for Hazardous Locations					◆							◆	

◆ = Available for the operator model

Part # -TEFC
TEFC Motor (Totally Enclosed Fan Cooled)

Standard operators (unless otherwise specified) are supplied with an ODP (Open Drip-proof) motor. The TEFC modification replaces the ODP motor with a fully enclosed and fan cooled motor. A fan (not enclosed) is attached to the end of the motor for cooling purposes. Not available for 1/3 HP motors

Part # -N12
Control Enclosure Modification

This modification provides for all electrical control equipment on the operator to be enclosed in a dust-tight/oil-tight NEMA 12 Control Enclosure. If the operator would normally be supplied or is ordered with a solenoid brake, the solenoid is not considered part of the electrical control equipment (it has no electrical contact points) and is supplied in a general purpose enclosure only. This modification is supplied with a NEMA 1 motor.

Part # -N12P
NEMA 12/13 Oil-tight/Dust-tight Package

Provides more complete protection against water spray, oil and other fluids than the Water Resistant Modification. Includes a TEFC Washdown duty motor, a NEMA 12/13 oil-tight/dust-tight control enclosure, oil-tight/dust-tight 3-button control station, nickel plated chain, a delay on reverse circuit and a dynamic brake replacing the solenoid brake. This allows the brake to also be enclosed in a oil-tight/dust-tight enclosure.

Part # -WASH
NEMA 4 Water Resistant Modification

Provides a water resistant motor, NEMA 4/12 water-tight/oil-tight control enclosure, water-tight/oil-tight 3-button control station and nickel-plated chain in place of all standard roller chain on the operator. **This operator uses a water resistant washdown duty motor and should not be compared to other manufacturer's "carwash" operators that have only a standard TEFC motor.**

Part # -N4X
NEMA 4X Corrosion Resistant Modification

This modification (available only on the MO series; 230 or 460 VAC, three phase; 1-1/2 hp maximum), provides water-tight/oil-tight and corrosion resistant components where possible, and includes a corrosion resistant TENV motor, NEMA 4X control circuit enclosure, NEMA 4X 3-button control station, dynamic brake, delay on reverse circuit, nickel plated chain and corrosion resistant coating on other components of the operator where possible.

Part # -N7P
NEMA 7/9 for Hazardous Locations

This modification meets requirements as defined by National Electrical Code for: Class I, Division I & II, Group D; Class II, Division I & II, Groups F & G. Includes NEMA 7 & 9 3-button control station. This modification may be provided as a complete operator package from another manufacturer. **Consult factory for specifics prior to ordering.**

Monitored Entrapment Devices

Commercial Door Operator Photo Beams



HAE00056
Linear Photo Beam Kit

Photo Beams

HAE00056 Linear infrared photo beam kit, 30-foot range, UL325 2010 Listed, includes adjustable emitter and detector mounting brackets, metal beam covers.

2510-476 Optoeye infrared photo beam kit, 45-foot range, UL325 2010 Listed, NEMA 4 rated, includes adjustable emitter and detector mounting brackets, mounting hardware.



2510-476
Optoeye Photo Beam Kit

Monitored Entrapment Devices

Commercial Door Operator Door Edges



2510-477
Optoedge Photo Edge Kit



2510-485-10
Miller Edge with Monitoring Module

OSE Door Edges

- 2510-477 Optoedge photo edge kit, 30-foot range, UL325 2010 Listed, includes infrared emitter/detector set, two NEMA 4 weathertight junction boxes, one 2-conductor 13-foot extended 24 AWG coil-cord, two adjustable height door bumpers, one stationary cord bracket with strain relief, and two sensor adapter sleeves.
- 2500-2554 Edge profile "Astragal" door seal for **sectional doors**, infrared beam passes through profile, use with 2510-477 Optoedge entrapment detector.
- 2500-2555 Edge profile "Astragal" door seal for **rolling steel doors**, infrared beam passes through profile, use with 2510-477 Optoedge entrapment detector.

Electric Edges

- 2510-485-10 10-foot Miller edge ME123 with monitoring module, C channel, mounting hardware, two junction boxes, 15-foot coil cord.
- 2510-485-12 12-foot Miller edge ME123 with monitoring module, C channel, mounting hardware, two junction boxes, 15-foot coil cord.
- 2510-485-14 14-foot Miller edge ME123 with monitoring module, C channel, mounting hardware, two junction boxes, 15-foot coil cord.
- 2510-486-10 10-foot Miller edge MT22 with monitoring module, two junction boxes, 15-foot coil cord.
- 2510-486-12 12-foot Miller edge MT22 with monitoring module, two junction boxes, 15-foot coil cord.
- 2510-486-14 14-foot Miller edge MT22 with monitoring module, two junction boxes, 15-foot coil cord.
- 2510-487-10 10-foot Miller edge MU22 with monitoring module, two junction boxes, 15-foot coil cord.
- 2510-487-12 12-foot Miller edge MU22 with monitoring module, two junction boxes, 15-foot coil cord.
- 2510-487-14 14-foot Miller edge MU22 with monitoring module, two junction boxes, 15-foot coil cord.

Add-on Monitoring Systems for Electromechanical Controllers

- 190-113428 Quik-protect Monitoring System - Monitors up to two sets of Access Alliance photo beams, Vitector Optical Sensing Edge (OSE) or Miller two or four-wire resistive safety edge.

Control Stations

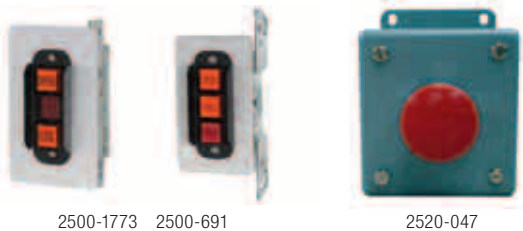
Interior Controls & Weather-Tight Controls

Linear commercial door operators are designed to be used with the following control stations to function as a system. Consult factory for answers to system design questions.

All accessories are covered by their respective manufacturer's warranty. (NOTE: Product may vary from photo.)



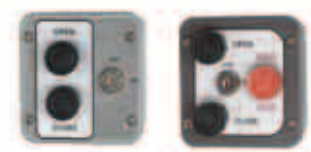
2500-282 2500-288 2500-033 2510-115



2500-1773 2500-691 2520-047



2500-2089 2500-1486 2500-1482 2500-824



2500-834 2500-1322

Interior Controls

- 2500-282 Interior single-button station, surface mount, NEMA 1
- 2500-288 Interior 2-button station, surface mount, OPEN-CLOSE, NEMA 1
- 2500-033 Interior 3-button station, surface mount, OPEN-CLOSE-STOP, NEMA 1
- 2500-1773 Interior 2-button station, flush mount, OPEN-CLOSE, NEMA 1
- 2500-691 Interior 3-button station, flush mount, OPEN-CLOSE-STOP, NEMA 1
- 2510-115 Interior 3-button station, surface mount, OPEN-CLOSE-STOP, with lockout toggle switch, NEMA 1

Weather-Tight Controls

- 2520-047 Exterior mushroom head pushbutton (momentary contact), surface mount, NEMA 4
- 2500-2089 Exterior single-button station, surface mount, NEMA 4
- 2500-1486 Exterior 2-button station, surface mount, OPEN-CLOSE, NEMA 4
- 2500-1482 Exterior 3-button station, surface mount, OPEN-CLOSE-STOP, NEMA 4
- 2500-834 Exterior 2-button station with keyed lock, surface mount, OPEN-CLOSE, NEMA 4
- 2500-824 Exterior 3-button station with keyed lock, non-metallic, surface mount, OPEN-CLOSE-STOP, NEMA 4
- 2500-1322 Exterior 3-button station with keyed lock, surface mount, OPEN-CLOSE-STOP, NEMA 4
- 2500-514 Extra key for keyed stations

Control Stations

Keyed, Pull Switch, and Explosion Proof Controls



2500-2486 2500-2487
2500-2488 2500-2489



2500-289 2500-2483



2500-1129



2500-038 190-112410



2520-213

Keyed Controls

- 2500-2486 Interior key station, flush mount, OPEN-CLOSE with center return, NEMA 1
- 2500-2487 Interior key station, flush mount, OPEN-CLOSE with center return and STOP button, NEMA 1
- 2500-2488 Exterior key station, flush mount, OPEN-CLOSE with center return
- 2500-2489 Exterior key station, flush mount, OPEN-CLOSE with center return and STOP button
- 2500-289 Exterior key station, surface mount, OPEN-CLOSE with center return, NEMA 4
- 2500-2483 Exterior key station, surface mount, OPEN-CLOSE with center return and STOP button, NEMA 4
- 2500-1129 Exterior lockout control, surface mount, ON-OFF, key can be removed in either position, NEMA 4
- 2500-514 Extra key for keyed stations

Pull Switch Controls

- 2520-023 Ceiling pull switch, SPST, single function (OPEN only or CLOSE only), NEMA 4
- 2500-038 Ceiling pull switch, DPST, dual function OPEN-CLOSE, NEMA 4

Explosion Proof Controls

- 2520-213 Explosion proof 3-button wall station, surface mount, OPEN-CLOSE-STOP, NEMA 7 & 9
- 190-112410 Explosion proof ceiling pull switch, DPST, dual function OPEN-CLOSE, NEMA 7 & 9

Radio Controls

Commercial Door Operator Transmitters & Receivers

Linear commercial door operators are designed to be used with the following radio controls. Consult factory for answers to system design question (also see the Radio Control section of this catalog).



190-112630
MVP-OCS



190-111662
QC-CLASSIC-OCS



190-109372
8833T-OCS



190-109025
8833TC-OCS



190-107483
831T



190-107477
733T



190-107476
639T



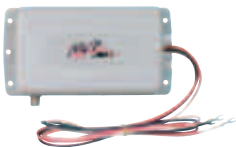
190-107475
535T



190-113157
MVP-MR



190-112052
CKT-240



190-113317
MVP-R-24V-FC



190-110554
MVP-RE-24V-8W-FC



190-107480
831R



190-107478
831RJ

Allstar Transmitters

- 190-112630 MVP-OCS 3-Button Open-Close-Stop MVP Quik-Code Transmitter
- 190-111662 QC-CLASSIC-OCS 3-Button Open-Close-Stop Allstar Quik-Code Classic Transmitter
- 190-109372 8833T-OCS 3-Button, 1-Door, Open-Close-Stop, Transmitter
- 190-109025 8833TC-OCS 3-Button, 3-Door, Open-Close-Stop, Transmitter
- 190-107483 831T 3-Button 1-Door, Open-Close-Stop, Stationary Transmitter
- 190-107477 733T 3-Button 3-Door, Open-Close-Stop, Stationary Transmitter
- 190-107476 639T 3-Button 9-Door, Open-Close-Stop, Stationary Transmitter
- 190-107475 535T 3-Button 27-Door, Open-Close-Stop, Stationary Transmitter
- 190-112052 CKT-240 240-Door, Commercial Open-Close-Stop, Wireless Keypad

Allstar Receivers

- 190-113157 MVP-MR 3-Channel Open-Close-Stop Modular Receiver
- 2650-159 MVP-MR 3-Channel Open-Close-Stop Modular Receiver (installed in SS operator)
- 190-110554 MVP-RE-24V-8W-FC 1-Door Open-Close-Stop Receiver
- 190-113317 MVP-R-24V-FC 1-Channel Receiver
- 190-107480 831R 1-Door, Open-Close-Stop, 24-Volt Receiver
- 190-107481 831R-115V 1-Door, Open-Close-Stop, 115-Volt Receiver
- 190-107478 831RJ 1-Door, Open-Close-Stop, 24-Volt, Receiver in Oil Tight (JIC) Case
- 190-107479 831RJ-115V 1-Door, Open-Close-Stop, 115-Volt Receiver in Oil Tight (JIC) Case

Radio Controls

Commercial Door Operator Transmitters & Receivers



2500-2025
MT-1B



2500-2026
MT-2B



2500-2186
ACT-31B



2500-2187
ACT-34B



ACP00954
ACT-31D



ACP00955
ACT-34D



2500-2185
MDKP



2510-374
SMDRG



2500-2325
MDR/U



2520-512
AP-5



2510-409
MGR-2

MegaCode Transmitters

- 2500-2025 MT-1B 1-Channel factory block coded transmitter
- 2500-2026 MT-2B 2-Channel factory block coded transmitter
- 2500-2186 ACT-31B 1-Channel keychain block coded transmitter
- ACP00954 ACT-31D 1-Channel keychain block coded transmitter with built-in proximity tag
- 2500-2187 ACT-34B 4-Channel keychain block coded transmitter
- ACP00955 ACT-34D 4-Channel keychain block coded transmitter with built-in proximity tag
- 2500-2185 MDKP Wireless keypad, transmits 1-6 digit codes 250'

MegaCode Receivers

- 2510-374 SMDRG* 1-Channel extended range receiver (800'), with 15' coax
- 2500-2325 MDR/U 1-Channel 110VAC plug-in universal, receiver
- 2520-512 AP-5 Single door/gate controller (installed)
- 2510-409 MGR2* MegaCode 2-channel gate receiver (installed)
- 2500-2028 EXA-2000 Remote directional antenna

*Includes 2510-009 coax kit

Gate Operators

Linear offers a complete line of gate operators designed to meet a wide variety of gate automation requirements. Packed with value and rugged durability, Linear operators are fully supported by a nationwide sales/support team committed to complete customer satisfaction. For over five decades, gate and door automation professionals have trusted Linear products for smooth performance and outstanding reliability.



FEATURES THAT ARE STANDARD, WITHOUT ADDITIONAL COST

Linear swing, slide, and barrier gate operators come packed with standard features. On other operators, many of these features are options that cost extra or are not available at all.

- Readily accessible emergency disconnect
- Electrical power disconnect
- Built-in master/second or paired mode capability
- Field right-hand/left-hand selectable
- Heavy-duty gear reducers standard (except HSLG and LRA)
- ETL listed – UL325 compliant
- Solid-state 24 VDC control circuitry
- Designed to accept a complete line of accessories
- Exterior reset button
- Three-button station included
- Single-phase motors – heavy-duty, permanent split capacitor (PSC)
- Three-phase motor option on large gate models
- Durable powder-coat finish on heavy-duty commercial/industrial enclosures

For technical support or for assistance in designing a system using Linear Gate Operator products, call us at (800) 421-1587.



CAUTION



- Automatic gates not for pedestrians.
- Automatic gate operators designed for vehicular traffic only; operators are powerful and can cause serious injury or death; DIRECT ALL PEDESTRIAN TRAFFIC TO A SEPARATE PEDESTRIAN GATE.
- UL325 requires use of contact or non-contact anti-entrapment devices.
- ASTM F2200 requires that all exposed rollers are covered.



FEATURING THE APEX™ CONTROLLER

Most Linear operators come equipped with the powerful APeX all-digital Gate controller. The APeX Controller supports all the features the installer needs for the many styles of automatic gate operator installations commonplace in the field.

- 24 VAC/VDC input power
- Low voltage surge protection for all inputs
- Plug-in loop detector capability — for open, shadow/reset, and reversing loops
- Integral MegaCode® radio receiver to support up to 40 personal transmitters and two MGT safety edge transmitters for obstacle sensing
- Single module design for 115 V/230 V single phase applications
- UL325/991 compliant and Canadian UL (CSA) listed
- Integral, 3-button, OPEN-CLOSE-STOP controls
- Pluggable field wire connections and diagnostic LEDs
- Built-in paired mode capability
- Easy-to-set current sensing
- DC motor board with full PWM soft-start/soft-stop functionality



THOROUGHLY TESTED

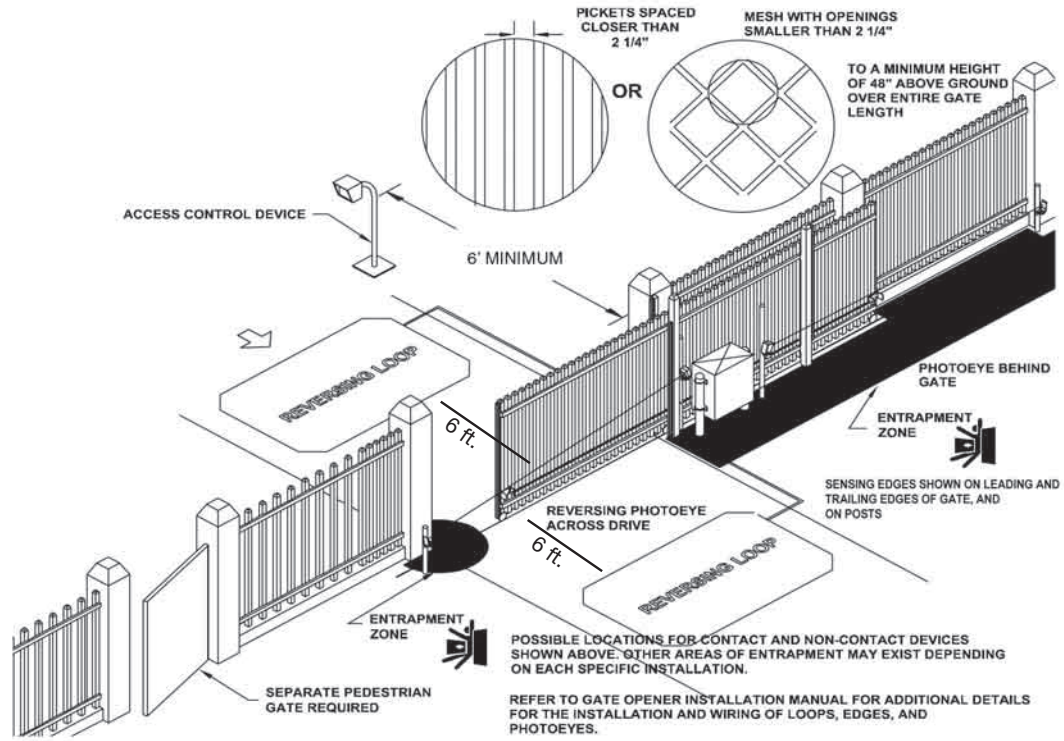
We test all our operators, not just as individual components, but as complete systems.

FACTORY BACKED

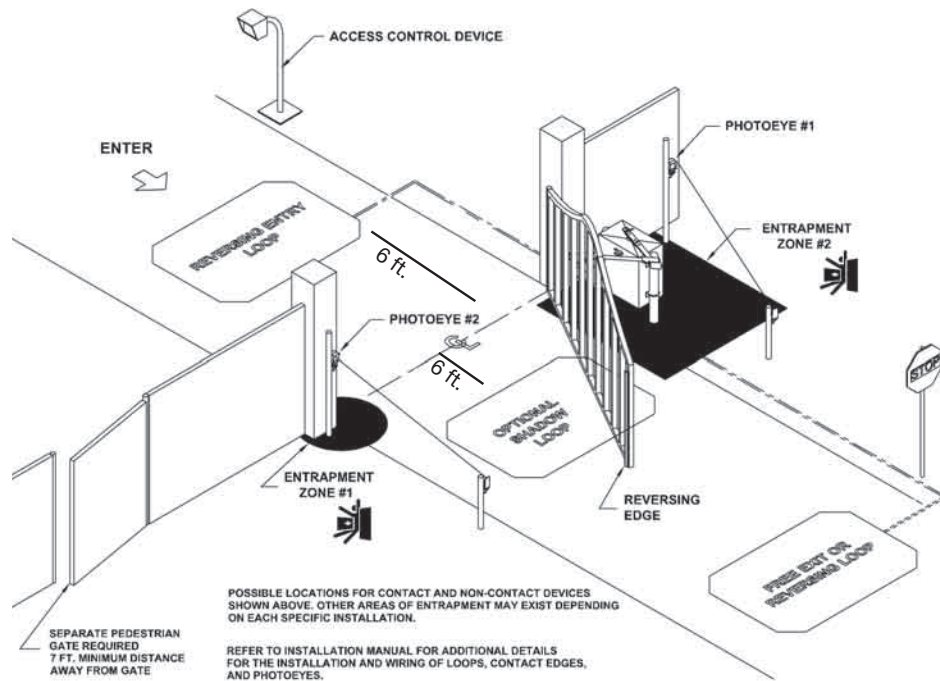
We stand behind our operators by offering generous warranties and the industry's best customer support.

- Five year warranty most models
- Two year warranty on LRA, Tower Plus, and Twist'R models
- East and West Coast distribution centers
- National field sales and support network

Typical Slide Gate Operator System Layout For Models SLC • SLR • SLD • HSLG • GSLG-A • VS-GSLG



Typical Swing Gate Operator System Layout For Models SWC • SWR • SWD • SWG • VS-GSWG



VS-GSLG

Industrial Duty Variable Speed Slide Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
VS-GSLG-211	1/2	115V 1P	1100 lbs.	45 ft.
VS-GSLG-221		230V 1P		
VS-GSLG-283		208V 3P		
VS-GSLG-223		230V 3P		
VS-GSLG-243		460V 3P		
VS-GSLG-111	1	115V 1P	2500 lbs.	78 ft.
VS-GSLG-121		230V 1P		
VS-GSLG-183		208V 3P		
VS-GSLG-123		230V 3P		
VS-GSLG-143		460V 3P		
VS-GSLG-721	2	230V 1P	4000 lbs.	100 ft.
VS-GSLG-783		208V 3P		
VS-GSLG-723		230V 3P		
VS-GSLG-743		460V 3P		

Industrial duty variable speed slide gate operator series, available in 1/2, 1, and 2 horsepower, various supply voltages and phases, 24" per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 1/2 & 1 HP 350 lbs. 2 HP 375 lbs.

FEATURES

- Up to 24"/sec. gate speed
- Soft start/soft stop
- Programmable speed control
- Direct C-face drive with brake
- #50 roller drive chain
- 1/2, 1, or 2 HP motor
- All voltages, single or three-phase
- Emergency manual disconnect handle
- Powder coat finish
- Post mount standard; pad mount optional

ELECTRICAL

- Variable speed — soft start/ stop programmable through variable frequency drive
- 1/2 to 2 HP industrial, continuous-duty, three-phase, 56-frame motors
- Double C-face brake
- Power on/off switch
- Duplex receptacle on 115 VAC units
- Three-button control station
- AC and DC power available for access control accessories and reversing devices
- Easily adjustable rotary limit switches

MECHANICAL

- Heavy-duty 10:1 right-angle C-face gear reducer
- #50 roller chain and sprockets
- Adjustable torque limiter
- Heavy-duty pillow-block bearings

FACTORY OPTIONS

- Optional pad mount pedestal
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

GSLG-A

Industrial / Commercial Duty Slide Gate Operator



Product No. See table below



Industrial / commercial duty slide gate operator series, available in 1/2, 3/4, and 1 horsepower, various supply voltages and phases, 12" per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 1/2 HP 365 lbs. 3/4 HP 370 lbs. 1 HP 375 lbs.

FEATURES

- Direct motor to gear reducer drive
- C-face brake
- #50 roller chain
- 1/2, 3/4, or 1 HP motor
- All voltages, single or three-phase
- Emergency manual disconnect handle
- Powder coat finish
- Post mount standard; pad mount optional

ELECTRICAL

- 1/2, 3/4, or 1 HP, 115 or 230 VAC, single phase, thermally protected, heavy-duty PSC motor
- 1/2, 3/4, or 1 HP, 230 or 460 VAC, three-phase heavy-duty motor
- Double C-face brake
- Power on/off switch
- Emergency stop/reset button on front cover
- Duplex receptacle on 115 VAC units
- Three-button control station
- AC and DC power available for access control accessories and reversing devices
- Easily adjustable rotary limit switches

MECHANICAL

- Heavy-duty 15:1 right-angle C-face gear reducer
- #50 roller drive chain and sprockets
- Adjustable torque limiter
- Heavy-duty pillow-block bearings

FACTORY OPTIONS

- Optional pad mount pedestal
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
GSLG-A-211	1/2	115V 1P	1100 lbs.	45 ft.
GSLG-A-221		230V 1P		
GSLG-A-283		208V 3P		
GSLG-A-223		230V 3P		
GSLG-A-243		460V 3P		
GSLG-A-411	3/4	115V 1P	1400 lbs.	60 ft.
GSLG-A-421		230V 1P		
GSLG-A-483		208V 3P		
GSLG-A-423		230V 3P		
GSLG-A-443		460V 3P		
GSLG-A-111	1	115V 1P	2200 lbs.	78 ft.
GSLG-A-121		230V 1P		
GSLG-A-183		208V 3P		
GSLG-A-123		230V 3P		
GSLG-A-143		460V 3P		

HSLG

Industrial / Commercial Duty Slide Gate Operator



Product No. See table below



Industrial / commercial duty slide gate operator series, available in 1/2, 3/4, and 1 horsepower, various supply voltages and phases, 10" per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 1/2 HP 280 lbs. 3/4 HP 285 lbs. 1 HP 290 lbs.

FEATURES

- Double V-belt to chain reduction
- #40 roller chain
- 1/2, 3/4, or 1 HP motor
- All voltages, single or three-phase
- Emergency manual disconnect handle
- Powder coat finish
- Post mount standard; pad mount optional

ELECTRICAL

- Integral entrapment sensing system with dual multi-turn precision potentiometers for accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- Integrated warning beeper during gate movement
- 15 diagnostic LEDs on board for ease of setup and troubleshooting
- Selectable pre-start alarm with provision for ADA compliant visual pre-start and run alarm
- AC and DC power available for access control accessories
- Solenoid disc brake
- Duplex receptacle on 115 VAC units
- Built-in master/slave capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty steel chassis
- Adjustable torque limiter
- #40 roller chain and sprockets
- Efficient double V-belt drive

FACTORY OPTIONS

- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
HSLG-A-211	1/2	115V 1P	1000 lbs.	35 ft.
HSLG-A-221		230V 1P		
HSLG-A-283		208V 3P		
HSLG-A-223		230V 3P		
HSLG-A-243		460V 3P		
HSLG-A-411	3/4	115V 1P	1200 lbs.	45 ft.
HSLG-A-421		230V 1P		
HSLG-A-483		208V 3P		
HSLG-A-423		230V 3P		
HSLG-A-443		460V 3P		
HSLG-A-111	1	115V 1P	1700 lbs.	55 ft.
HSLG-A-121		230V 1P		
HSLG-A-183		208V 3P		
HSLG-A-123		230V 3P		
HSLG-A-143		460V 3P		

SLC

Commercial Duty Slide Gate Operator



Product No. See table below



Commercial duty slide gate operator series, available in 1/2, and 1 horsepower, 115V or 230V supply voltage, 11" per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 145 lbs.

FEATURES

- APeX Controller
- Black polyethylene cover
- Gear reducer, size 60, 20:1
- Built-in MegaCode receiver
- Easy-to-operate emergency manual disconnect handle
- Exterior reset button
- Pad mount standard - optional post mount kit available
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- #41 Drive chain on 1/2 HP (31' included)
- #40 Drive chain on 1 HP (31' included)
- Universal pad mount standard; optional post mount kit

FACTORY OPTIONS

- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SLC-211	1/2	115V 1P	1000 lbs.	37 ft.
SLC-221		230V 1P		
SLC-111	1	115V 1P	2000 lbs.	45 ft.
SLC-121		230V 1P		



Product No. SLD-211



SLD

Commercial / Residential Duty Slide Gate Operator with Battery Backup

Commercial / residential duty slide gate operator with DC battery backup, available in 1/2 horsepower, 115V supply voltage, 12" per second gate speed. Solar power capable with 24 volt solar panels.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 145 lbs.

FEATURES

- APeX™ Controller
- Full transformer run DC powered operator with built-in battery backup
- Dual batteries charged by 115 VAC or optional solar panels
- Built-in MegaCode receiver
- Black polyethylene cover
- Full-time 1/2 HP DC motor
- Selectable fail-safe or fail-secure modes of operation
- Solar power capable
- Gear reducer, size 60, 20:1
- Soft start/stop
- Easy-to-operate emergency manual disconnect handle
- Exterior reset button
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- #41 Drive chain (31' included)
- Universal pad mount standard; optional post mount kit

The SLD has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the gate will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the SLD continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SLD-211	1/2	115V 1P or 24 Volt Solar Panel Power	1000 lbs.	40 ft.

FACTORY OPTIONS

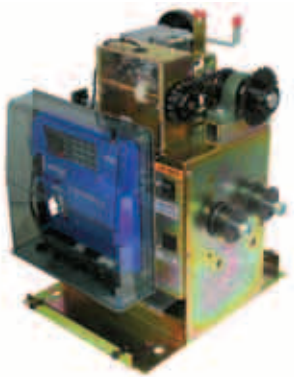
- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater
- Solar Panel Kits

WARRANTY

- 5 years

SLR

Residential Duty Slide Gate Operator



Product No. See table below



Residential duty slide gate operator series, available in 1/2 horsepower, 115V or 230V supply voltage, 11” per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 145 lbs.

FEATURES

- APeX™ Controller
- Black polyethylene cover
- Gear reducer, size 60, 20:1
- Built-in MegaCode receiver
- Easy-to-operate emergency manual disconnect handle
- Exterior reset button
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- #41 Drive chain (31' included)
- Universal pad mount standard; optional post mount kit

FACTORY OPTIONS

- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SLR-211	1/2	115V 1P	500 lbs.	25 ft.
SLR-221		230V 1P		

Leader Plus & Leader +1

Commercial Duty Slide Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	GATE SPEED	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
LPX1000 5011	1/2	115V 1P	12"/sec	1300 lbs.	35 ft.
LPX1000 5011-HS			18"/sec	1000 lbs.	
LPX1000 5021		230V 1P	12"/sec	1300 lbs.	
LPX1700 10021	1	230V 1P	12"/sec	1700 lbs.	
LPX1700 10021-HS			18"/sec	1300 lbs.	
LPX1700 10023		230V 3P	12"/sec	1700 lbs.	
LPX1700 10023-HS			18"/sec	1300 lbs.	

Commercial duty slide gate operator series, available in 1/2, and 1 horsepower, various supply voltages and phases, 12" or 18" per second gate speed.

RATINGS

- Maximum duty cycle: 45 cycles per hour, 800 cycles per day
- Shipping weight: 1/2 HP 150 lbs. 1 HP 160 lbs.

FEATURES

- Welded heavy-duty frame
- Architecturally designed, long-life cover
- Heavy duty 10:1 gear reducer allows emergency manual operation without tools
- Fail secure lock standard (gate locks when power off)
- Built-in auto-close timer
- Timer re-close on/off switch
- Overload sensing system
- MVP "smart" radio receiver with FC antenna
- Built-in operator lock
- Built-in "smart" self-adjusting maximum run timer
- Built-in master/second capability
- Audio alarm and Safe Secure™ open/close push button enabled on alarm only
- UL Listed for UL 325 (Class I-IV) for U.S. and Canada (120 VAC only) -HS (Class III-IV only) -230V LPX1000 not listed

ELECTRICAL

- Electronic dynamic braking (LPX1000 only)
- Solid-state circuitry with diagnostic LED readout
- Built-in free exit and reversing loop detector sockets

MECHANICAL

- #41 chain for 1/2 HP (25 ft. included)
- #40 chain for 1 HP (25 ft. included)
- #50 chain for HS high speed models (25 ft. included)

FACTORY OPTIONS

- Fail safe lock (gate unlocked when power off)
- # 50 chain (standard on HS high speed models)

WARRANTY

- 5 years

GateStar 1000

Commercial Duty Slide Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	GATE SPEED	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
GSX1000 5011	1/2	115V 1P	12"/sec	1575 lbs.	45 ft.
GSX1000 5011-HS			24"/sec	800 lbs.	25 ft.
GSX1000 5021		230V 1P	12"/sec	1575 lbs.	45 ft.
GSX1000 5021-HS			24"/sec	800 lbs.	25 ft.

Commercial duty slide gate operator series, available in 1/2 horsepower, 115V or 230V supply voltage, 12" or 24" per second gate speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 185 lbs.

FEATURES

- Welded Uni-body frame
- Architecturally designed, long-life cover
- Heavy, key-locked steel cover
- High efficiency, non-slip belt drive
- 1/2 H.P. instant-reverse, 3-wire motor
- DC solenoid actuated lock mechanism
- Overload sensing system
- Built-in auto-close timer
- Timer re-close on/off switch
- MVP "smart" radio receiver with FC antenna
- Built-in "smart" self-adjusting maximum run timer
- Built-in master/second capability
- Audio alarm and Safe Secure™ open/close push button enabled on alarm only
- Standard speed UL Listed for UL 325 (Class I-IV) for U.S. and Canada
- High speed UL Listed for UL 325 (Class IV) for U.S. and Canada

ELECTRICAL

- Solid-state circuitry and motor control with diagnostic LED readout
- Electronic dynamic braking
- Built-in free exit and reversing loop detector sockets

MECHANICAL

- #40 chain on standard speed (25 ft. included)
- #50 chain on high speed (25 ft. included)

FACTORY OPTIONS

- Fail safe lock (gate unlocked when power off)
- # 50 chain (standard on HS high speed models)

WARRANTY

- 5 years

Tower Plus

Residential Duty Slide Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
RSX1000 5011	1/2	115V 1P	300 lbs.	16 ft.
RSX1000 5021		230V 1P	300 lbs.	

Residential duty slide gate operator series, available in 1/2 horsepower, 115V or 230V supply voltage, 8.2" per second gate speed.

RATINGS

- Maximum duty cycle: 10 cycles per hour, 50 cycles per day
- Shipping weight: 65 lbs.

FEATURES

- Steel frame
- Architecturally designed, long-life cover
- Overload sensing system
- Easily adjustable limit switches
- Built-in maximum run timer
- Adjustable auto-close timer
- Built-in "smart" self-adjusting maximum run timer
- Built-in master/second capability
- MVP "smart" radio receiver included
- UL Listed for Class I, 110V only

ELECTRICAL

- Solid-state circuitry and motor control

MECHANICAL

- #65 chain (18 ft. included)

WARRANTY

- 2 years

VS-GSWG

Industrial Duty Variable Speed Swing Gate Operator



Product No. See table below



Industrial duty swing gate operator series, available in 1/2, 1, and 2 horsepower, various supply voltages and phases, 18-22 second gate opening speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 1/2 & 1 HP 295 lbs. 2 HP 300 lbs.

FEATURES

- For large/heavy swing gates
- Continuous-duty industrial 56-frame motor
- Full variable speed
- Soft start/soft stop capability
- All voltages, single or three-phase
- Emergency disconnect
- Electrical power disconnect
- Three-button control station
- Master/second built in
- Durable powder coat finish
- Right hand - left hand convertible
- Timer to close
- 24VDC control circuit
- Post mount standard; pad mount optional
- Powder coat finish

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
VS-GSWG-211	1/2	115V 1P	1000 lbs.	20 ft.
VS-GSWG-221		230V 1P		
VS-GSWG-283		208V 3P		
VS-GSWG-223		230V 3P		
VS-GSWG-243		460V 3P		
VS-GSWG-111	1	115V 1P	1200 lbs.	32 ft.
VS-GSWG-121		230V 1P		
VS-GSWG-183		208V 3P		
VS-GSWG-123		230V 3P		
VS-GSWG-143		460V 3P		
VS-GSWG-721	2	230V 1P	1500 lbs.	36 ft.
VS-GSWG-783		208V 3P		
VS-GSWG-723		230V 3P		
VS-GSWG-743		460V 3P		

ELECTRICAL

- Variable speed — soft start/ stop programmable through variable frequency drive
- Solid-state control circuit
- Duplex receptacle on 115 VAC units
- AC and DC power available for access control accessories and reversing devices
- Easily adjustable rotary limit switches

MECHANICAL

- Heavy-duty 60:1 right-angle C-face gear reducer
- Adjustable torque limiter
- Exclusive linear drive arm
- Heavy-duty pillow-block bearings

FACTORY OPTIONS

- Optional pad mount pedestal

WARRANTY

- 5 years

SWG

Industrial / Commercial Duty Swing Gate Operator



Product No. See table below



Industrial / commercial duty swing gate operator series, available in 1/2, 1, and 2 horsepower, various supply voltages and phases, 15 second gate opening speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 275 lbs.

FEATURES

- All voltages, single or three-phase
- Emergency disconnect
- Electrical power disconnect
- Emergency stop/reset button on front cover
- Three-button control station
- Master/second built in
- Durable powder coat finish
- Right hand - left hand convertible
- Timer to close
- 24VDC control circuit
- Post mount standard; pad mount optional
- Powder coat finish

ELECTRICAL

- Solid-state control circuit
- Duplex receptacle on 115 VAC units
- AC and DC power available for access control accessories and reversing devices
- Easily adjustable cam-operated limit switches

MECHANICAL

- Heavy-duty gate arm assembly with harmonic design for smoother starts and stops
- Over-center gate arm “locking” angle
- Heavy-duty 60:1 right-angle C-face gear reducer
- #40 roller chain and sprockets
- Adjustable torque limiter
- Heavy-duty pillow-block bearings

FACTORY OPTIONS

- Optional pad mount pedestal

WARRANTY

- 5 years

MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SWG-211	1/2	115V 1P	700 lbs.	18 ft.
SWG-221		230V 1P		
SWG-283		208V 3P		
SWG-223		230V 3P		
SWG-243		460V 3P		
SWG-411	3/4	115V 1P	900 lbs.	22 ft.
SWG-421		230V 1P		
SWG-483		208V 3P		
SWG-423		230V 3P		
SWG-443		460V 3P		
SWG-111	1	115V 1P	1000 lbs.	26 ft.
SWG-121		230V 1P		
SWG-183		208V 3P		
SWG-123		230V 3P		
SWG-143		460V 3P		

SWC

Commercial Duty Swing Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SWC-211	1/2	115V 1P	600 lbs.	17 ft.
SWC-221		230V 1P		
SWC-111	1	115V 1P	1000 lbs.	19 ft.
SWC-121		230V 1P		

Commercial duty swing gate operator series, available in 1/2, and 1 horsepower, 115V or 230V supply voltage, 11-14 second gate opening speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 1/2 HP 145 lbs. 1 HP 150 lbs.

FEATURES

- APeX™ Controller
- Black polyethylene cover
- Built-in MegaCode receiver
- Gear reducer, size 60 (1/2 HP), size 70 (1 HP)
- Quick disconnect crank assembly
- Exterior reset button
- Pad mount standard - optional post mount kit available
- High starting torque - heavy duty PSC motor
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- Lockable steel access door
- Universal pad mount standard; optional post mount kit

FACTORY OPTIONS

- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater
- Cold weather package

WARRANTY

- 5 years
- 800.421.1587

SWD

Commercial / Residential Duty Swing Gate Operator with Battery Backup



Product No. SWD-211



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SWD-211	1/2	115V 1P or 24 Volt Solar Panel Power	700 lbs.	18 ft.

The SWD has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the gate will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the SWD continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

FACTORY OPTIONS

- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater
- Cold weather package

Commercial / residential duty swing gate operator with DC battery backup, available in 1/2 horsepower, 115V supply voltage, 12-14 second gate opening speed. Solar power capable with 24 volt solar panels.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 145 lbs.

FEATURES

- APeX™ Controller
- Black polyethylene cover
- Built-in MegaCode receiver
- Full transformer run DC powered operator with built-in battery backup
- Dual batteries charged by 115 VAC or optional solar panels
- Full-time 1/2 HP DC motor
- 5" torque eliminator
- Selectable fail-safe or fail-secure modes of operation
- Solar power capable
- Gear reducer, size 60
- Soft start/stop
- Quick disconnect crank assembly
- Exterior reset button
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- Lockable steel access door
- Universal pad mount standard; optional post mount kit

WARRANTY

- 5 years

SWR

Residential Duty Swing Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
SWR-211	1/2	115V 1P	500 lbs.	17 ft.
SWR-221		230V 1P		

Residential duty slide gate operator series, available in 1/2 horsepower, 115V or 230V supply voltage, 11-14 second gate opening speed.

RATINGS

- Maximum duty cycle: 150 cycles per day
- Shipping weight: 140 lbs.

FEATURES

- APeX™ Controller
- Black polyethylene cover
- Built-in MegaCode receiver
- Quick disconnect crank assembly
- Exterior reset button
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous-tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Selectable pre-start and run alarm with provision for ADA compliant visual pre-start and run alarm
- Regulated 24 Volt DC power available for access control accessories
- Integrated maximum run and auto close timer (0-9 minutes)
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- Heavy-duty, zinc-plated, steel chassis
- Lockable steel access door
- Universal pad mount standard; optional post mount kit

FACTORY OPTIONS

- SPS-50 Standby power supply
- Optional heavy-duty pad mount pedestal
- Optional thermostatically-controlled strip heater
- Cold weather package

WARRANTY

- 5 years

LRA/LRA2

Residential Duty Swing Gate Operator
with Battery Backup



Product No. See table below



MODEL	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT <i>per leaf</i>	MAXIMUM GATE LENGTH <i>per leaf</i>	SECONDS TO OPEN 90 DEGREES
LRA	115V 1P AC Supply or DC Solar	600 lbs.	16 ft.	15-18 Seconds
LRA2	Second Linear Actuator with Cables for Dual Gate Application			

The LRA has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the gate will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the LRA continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

Residential duty swing gate operator, available in 115V supply voltage, 15-18 second gate opening speed.

RATINGS

- Maximum duty cycle: 60 cycles per day
- Shipping weight: 50 lbs.

FEATURES

- APeX™ controller with outdoor-rated fiberglass enclosure
- Dual batteries charged by 115 VAC or optional solar panels
- Built-in MegaCode receiver
- Magnetic limits for improved reliability
- Adjustable soft-start/soft stop capability
- Adjustable stagger on LRA2 dual gate applications
- Aluminum housing provides protection from the elements without rusting
- Sleek design with no motor or gear protruding from the arm
- Integrated auto close timer (0-9 minutes)
- Dual controller features allows for added flexibility
- Selectable pre-start alarm with provision for ADA compliant visual pre-start and run alarm
- Selectable fail-safe or fail-secure modes of operation
- ETL Listed for UL 325 (Class I-IV) for U.S. and Canada

ELECTRICAL

- 24 VDC motor
- Integral entrapment sensing system with digital set point for quick accurate adjustment and enhanced safety
- Continuous tone entrapment alarm with reset button
- LED diagnostic display for ease of setup and troubleshooting
- Regulated 24 Volt DC power available for access control accessories
- Built-in networked dual gate capability using 3-wire shielded cable

MECHANICAL

- 16" stroke length
- Silver finish

FACTORY OPTIONS

- 10 watt, 24 volt solar panel kit
- Push-to-open bracket

WARRANTY

- 2 years

GateStar 6000

Commercial Duty Swing Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
GS6000 5011	1/2	115V 1P	1000 lbs.	18 ft.
GS6000 5021		230V 1P		

Commercial duty swing gate operator, available in 1/2 horsepower, 115V or 230V supply voltage, 13-15 second gate opening speed.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 160 lbs.

FEATURES

- Self contained with integral control box
- Pre-wired loop detector sockets (three provided)
- Easy access to controls
- Architecturally designed, long-life cover
- Electronic dynamic braking
- Solid state circuitry and motor control with diagnostic LED readout
- Overload sensing system
- Easily adjustable limit switches
- Built-in auto-close timer
- Built-in maximum run timer
- Built-in master/second capability
- Built-in shelf for standby power supply
- UL Listed for UL 325 (Class I-IV) for U.S. and Canada (120 VAC only)

ELECTRICAL

- 1/2 HP instant-reverse, 3-wire motor
- MVP “smart” radio receiver with FC antenna

MECHANICAL

- Heavy-duty gear box
- Welded heavy-duty frame
- Adjustable bidirectional torque limiter

WARRANTY

- 5 years

Twist'R

Residential Duty Swing Gate Operator



Product No. See table below



MODEL	HP	VOLTAGE & PHASE	MAXIMUM GATE WEIGHT	MAXIMUM GATE LENGTH
RSX4000 5011	1/2	115V 1P	300 lbs.	16 ft.
RSX4000 5021		230V 1P		

Residential duty swing gate operator, available in 1/2 horsepower, 115V or 230V supply voltage, 7 second gate opening speed.

RATINGS

- Maximum duty cycle: Eight cycles per hour
- Shipping weight: 75 lbs.

FEATURES

- Steel frame — Mounts to a 4x4 post or with optional pedestal kit (as shown)
- Architecturally designed, long-life cover
- Easily adjustable limit switches
- Solid state circuitry and motor control with diagnostic LED readout
- Built-in auto-close timer
- Built-in maximum run timer
- Built-in master/second capability
- UL Listed for UL 325 (Class I) for U.S. and Canada (120 VAC only)

ELECTRICAL

- 1/2 HP instant-reverse, PSC motor
- Triac motor control - no relays or contactor
- MVP "smart" radio receiver

MECHANICAL

- Heavy-duty arm
- Heavy-duty gear box
- Poly V-belt final drive with adjustable torque output

FACTORY OPTIONS

- SPS-50 Standby power supply
- Optional pedestal kit

WARRANTY

- 2 years

BGU

Parking and Vehicle Control Barrier Gate Operator



Product No. See table below



MODEL	HP	ARM SIZE	VOLTAGE & PHASE
BGU-10-311	1/3	10 ft.	115V 1P
BGU-12-311		12 ft.	
BGU-14-311		14 ft.	
BGU-10-221	1/2	10 ft.	230V 1P
BGU-12-221		12 ft.	
BGU-14-221		14 ft.	

For traffic control and parking applications, available in 1/3, and 1/2 horsepower, 115V or 230V supply voltage, various arm lengths.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 200 lbs.

FEATURES

- Power on/off switch
- Duplex receptacle (115 VAC units only)
- Three-button control station included
- Accessory connections are 24-volt AC or DC
- Easily adjustable cam-operated limit switches
- Lockable and removable front cover for easy access
- Built-in maximum run timer and auto close timer
- Master/second with simple 3-wire connection
- Dual V-belt
- Heavy-duty right angle gear reducer
- Heavy-duty harmonic link with oil impregnated bronze bushings
- Gate arm clamp with breaker bar
- Motor has manually-resettable overload
- Full system capable for access control and reversing devices
- Weather resistant galvanized steel cabinet with powder coat finish

ARM OPTIONS

- 10 foot wood arm
- 12 foot wood arm
- 14 foot wood arm

FACTORY OPTIONS

- White or yellow powder coat finish - specify YS for Yellow; WS for White
- Optional thermostatically-controlled strip heater
- Optional stainless steel power coated cabinet for installation in areas where high concentration of corrosive material or atmosphere is present

WARRANTY

- 5 years

BGU-D

Parking and Vehicle Control Barrier Gate Operator with Battery Backup



Product No. See table below



MODEL	HP	ARM SIZE	VOLTAGE & PHASE
BGU-D-10-211	1/2	10 ft.	115V 1P AC Supply or DC Solar
BGU-D-12-211		12 ft.	
BGU-D-14-211		14 ft.	

The BGU-D has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the arm will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the BGU-D continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

For traffic control and parking applications, available in 1/2 horsepower, 115V supply voltage, various arm lengths.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 200 lbs.

FEATURES

- 24 VDC permanent magnet motor
- 115 VAC supply converted to 24 VDC for motor and controls
- Dual batteries charged by 115 VAC or optional solar panels
- Three-button control station included
- Power on/off switch
- Accessory connections are 24VDC
- Easily adjustable cam-operated limit switches
- Lockable and removable front cover for easy access
- Built-in maximum run timer and auto close timer
- Master/second with simple 3-wire connection
- Dual V-belt
- Heavy-duty right angle gear reducer
- Heavy-duty harmonic link with oil impregnated bronze bushings
- Gate arm clamp with breaker bar
- Full system capable for access control and reversing devices
- Weather resistant galvanized steel cabinet with powder coat finish

ARM OPTIONS

- 10 foot wood arm
- 12 foot wood arm
- 14 foot wood arm

FACTORY OPTIONS

- White or yellow powder coat finish - specify YS for Yellow; WS for White
- Optional thermostatically-controlled strip heater
- Optional stainless steel power coated cabinet for installation in areas where high concentration of corrosive material or atmosphere is present

WARRANTY

- 5 years

BGUS & BGUS-D

Parking and Vehicle Control Barrier Gate Operators



Product No. See table below



MODEL	HP	ARM SIZE	VOLTAGE & PHASE
BGUS-14-211	1/2	14 ft.	115V 1P
BGUS-16-211		16 ft.	
BGUS-18-211		18 ft.	
BGUS-14-221	1/2	14 ft.	230V 1P
BGUS-16-221		16 ft.	
BGUS-18-221		18 ft.	
BGUS-D-14-211	1/2	14 ft.	115V 1P AC Supply or DC Solar
BGUS-D-16-211		16 ft.	
BGUS-D-18-211		18 ft.	

The BGUS-D has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the arm will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the BGUS-D continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

Slower operating, counter balanced arm. For traffic control and parking applications, available in 1/2 horsepower, 115V or 230V supply voltage, various arm lengths.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 225 lbs.

FEATURES

- Power on/off switch
- Duplex receptacle (115 VAC units only)
- 24 VDC permanent magnet motor (BGUS-D only)
- 115 VAC supply converted to 24 VDC for motor and controls (BGUS-D only)
- Dual batteries charged by 115 VAC or optional solar panels (BGUS-D only)
- Three-button control station included
- Accessory connections are 24-volts
- Easily adjustable cam-operated limit switches
- Lockable and removable front cover for easy access
- Built-in maximum run timer and auto close timer
- Master/second with simple 3-wire connection
- Quad V-belt
- Heavy-duty right angle gear reducer
- Heavy-duty harmonic link with oil impregnated bronze bushings
- Motor has manually-resettable overload
- Full system capable for access control and reversing devices
- Weather resistant galvanized steel cabinet with powder coat finish

ARM OPTIONS

- 14 foot wood arm
- 16 foot wood arm
- 18 foot wood arm

FACTORY OPTIONS

- White or yellow powder coat finish - specify YS for Yellow; WS for White
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

SG & SG-D

Parking and Vehicle Control Barrier Gate Operators



Product No. See table below



MODEL	HP	ARM SIZE	VOLTAGE & PHASE
SG-TB-25-211	1/2	16 - 25 ft	115V 1P
SG-TB-25-221			230V 1P
SG-D-25-211	1/2	16 - 25 ft	115V 1P AC Supply or DC Solar
SG-MANUAL (Manual Operation No Motor)	N/A	16 - 25 ft	N/A

The SG-D has programmable fail safe or fail secure operation. With fail safe selected, when the gate operator senses AC power is no longer present, the arm will cycle open, remaining open until AC power is restored. With fail secure selected, during a power failure the SG-D continues normal operation while monitoring the battery level. Once the batteries are low, the unit will cycle open until AC power is restored or the batteries receive a full charge via optional solar panels.

Slower operating, counter balanced wishbone arm. For low traffic industrial vehicular applications, available in 1/2 horsepower, 115V or 230V supply voltage, custom arm length.

RATINGS

- Maximum duty cycle: Continuous
- Shipping weight: 300 lbs.

FEATURES

- Power on/off switch
- Duplex receptacle (115 VAC units only)
- 24 VDC permanent magnet motor (SG-D only)
- 115 VAC supply converted to 24 VDC for motor and controls (SG-D only)
- Dual batteries charged by 115 VAC or optional solar panels (SG-D only)
- Three-button control station included
- Accessory connections are 24-volts
- Easily adjustable cam-operated limit switches
- Lockable and removable front cover for easy access
- Built-in maximum run timer and auto close timer
- Master/second with simple 3-wire connection
- Quad V-belt
- Heavy-duty right angle gear reducer
- Heavy-duty harmonic link with oil impregnated bronze bushings
- Motor has manually-resettable overload
- Full system capable for access control and reversing devices
- Weather resistant galvanized steel cabinet with powder coat finish

ARM OPTIONS

- 16 - 25 foot custom wood arm

FACTORY OPTIONS

- White or yellow powder coat finish - specify YS for Yellow; WS for White
- Optional thermostatically-controlled strip heater

WARRANTY

- 5 years

Radio Controls

Gate Operator Transmitters & Receivers

Linear gate operators are designed to be used with the following accessories and controls to function as a system. Appropriate safety devices should always be included in every system. Consult factory for answers to system design questions.

All accessories are covered by their respective manufacturer's warranty. (NOTE: Product may vary from photo.)



2500-2186
ACT-31B



2500-2187
ACT-34B



ACP00955
ACT-34D



2500-2025
MT-1B



2500-2026
MT-2B



2510-374
SMDRG



2500-2325
MDR/U



2510-372
MGT



2500-2185
MDKP



2520-512
AP-5



2510-409
MGR-2

Delta-3 Radios (310 MHz)

2500-303	DT	1-Button transmitter
2500-305	DT-2A	2-Button transmitter
2500-306	DT3+1	4-Button transmitter
2500-461	Mini-T	Mini transmitter
2520-507	GRD*	1-Channel receiver with 15' coaxial antenna (installed)
2500-2374	GRD	1-Channel gate receiver with 3' coax (installed)
2510-009		15' Coaxial antenna assembly for post mounting



*Includes 2510-009 coax kit

MegaCode Radios (318 MHz)

2500-2025	MT-1B	1-Channel factory block coded transmitter
2500-2026	MT-2B	2-Channel factory block coded transmitter
2500-2186	ACT-31B	1-Channel keychain block coded transmitter
ACP00954	ACT-31D	1-Channel keychain block coded transmitter with built-in proximity tag
2500-2187	ACT-34B	4-Channel keychain block coded transmitter
ACP00955	ACT-34D	4-Channel keychain block coded transmitter with built-in proximity tag
2510-374	SMDRG*	1-Channel extended range receiver (800'), with 15' coax
2500-2325	MDR/U	1-Channel 110VAC plug-in universal, receiver
2510-372	MGT	Supervised gate edge transmitter with mounting kit
2520-512	AP-5	Single door/gate controller (installed)
2500-2185	MDKP	Wireless keypad, transmits 1-6 digit codes 250'
2510-408	MGR1*	MegaCode 1-channel gate receiver (installed)
2510-409	MGR2*	MegaCode 2-channel gate receiver (installed)
2500-2028	EXA-2000	Remote directional antenna

*Includes 2510-009 coax kit

Radio Controls

Gate Operator Transmitters & Receivers



2500-278

2500-279



2500-835

2500-308



2510-046



190-111963



190-110925



190-110927

XTended Range



2500-2327



2500-2330

Multi-Code Radios (300 MHz)

2500-278	308911	1-Button transmitter
2500-279	412001	2-Button transmitter, with 2 dipswitch blocks
2500-835	306010	1-Button mini transmitter
2500-308	414001	4-Button transmitter
2510-043	109950*	1-Channel receiver, 4-wire style, with 15' coaxial antenna (installed)
2500-759	302850*	2-Channel receiver with 15' coaxial antenna (installed)
2510-046	109950	1-Channel receiver, 4-wire style (installed)
2510-009		15' Coaxial antenna assembly for post mounting <i>*Includes 2510-009 coax kit</i>

MVP Radios (318 MHz)

190-111963	MVP-1CH-24V-3W-FC	1-Channel Gate Receiver
190-111957	MVP-3CH-24V-8W-FC	3-Channel Gate Receiver
190-110925	MVP-QC	3-Button MVP Quik-Code Transmitter
190-113317	MVP-R	1-Channel Receiver
190-110927	MVP-WKE	Wireless Keypad

XTended Range Radios (27 MHz)

Xtended range FM radio products are long range devices that allow up to 2 miles line-of-site range. **Important safety note: Gate operators must never be activated without visual surveillance of gate area.**

2500-2327	XR-1	Single channel superheterodyne receiver (installed)
2500-2328	ANT-2	Antenna kit for XR-1 receiver with 18' cable
2500-2329	T-124.8DC	12VDC power supply for XR-1 receiver
2500-2330	XT-1H	Single channel handheld transmitter
2510-367		Extended range radio receiver kit (installed)

Control Stations

Gate Operator Keypads, Push Buttons & Keylocks



2500-1906
AK-11



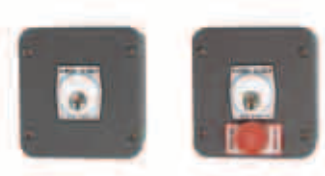
2500-2340
AK-21W



2500-2023
AKR-1



2500-282 2500-288 2500-033



2500-289 2500-2483

Keypads

- 2500-1906 AK-11 Exterior digital keypad. Stand alone 480-code wired keypad, 2 relays, exterior cast aluminum
- 2500-2340 AK-21W Weather-resistant digital keypad. Stand alone 480-code wired keypad, 2 relays, exterior flush mount
- 2500-2023 AKR-1 Exterior digital keypad with radio receiver. Stand alone 480-code wired keypad, 2 relays, exterior cast aluminum with built-in MegaCode radio receiver

Card Controls

- 2520-011 Card reader on gooseneck stand (single period card reader)
 - 2520-027 Card reader with surface mount enclosure (single period)
 - 2500-245 Card reader replacement (single period)
 - 2500-311 Cards, standard (54 minimum)
 - 2500-276 Special printing, add to price of standard card
 - 2500-277 Second color (per side), add to cost of standard card
 - 2500-312 Special numbering of cards, add to cost of standard card
 - 2500-850 Special cards
- If cards are to match previous order, please provide original order number, serial number of related operator, or a sample card

Token Acceptor

- 2520-437 Token acceptor. In 12x10 locked outdoor enclosure, specify color - black, white or yellow, stand not included
- 2500-562 Tokens - 1,000 minimum

Interior Controls

- 2500-282 Standard single-button station, surface mount, NEMA 1
- 2500-288 Standard 2-button station, surface mount, OPEN-CLOSE, NEMA 1
- 2500-033 Standard 3-button station, surface mount, OPEN-CLOSE-STOP, NEMA 1
- 2500-691 3-button station, flush mount, OPEN-CLOSE-STOP, NEMA 1
- 2510-115 Standard 3-button station, surface mount, OPEN-CLOSE-STOP, with toggle switch, NEMA 1

Weather-Tight Controls

- 2500-2483 Exterior key station, surface mount, OPEN-CLOSE with stop button, NEMA 4
- 2500-2089 Exterior single-button station, surface mount, NEMA 4
- 2500-1482 Exterior 3-button station, surface mount, OPEN-CLOSE-STOP, NEMA 4
- 2500-1322 Exterior 3-button station, OPEN-CLOSE-STOP with lock on Open or Stop, NEMA 4
- 2500-289 Exterior key station, surface mount, OPEN-CLOSE, NEMA 4
- 2500-1129 Exterior key station, key is removable in two positions, OPEN-CLOSE, NEMA 4
- 2520-047 Exterior mushroom head push button (momentary contact), NEMA 4
- 2500-514 Extra key for keyed stations

Emergency Opening Devices

- 2510-373 S.O.S. (Siren-Operated Sensors) This senses emergency vehicle sirens and provides a signal to open gate. Can be used in series with a detector so vehicle must be on loop and sounding siren to open gate. Includes 2510-285 hold-open interface.

External manual disconnect kit for slide gate operators

Includes cable (to disconnect lever), pulley sheave, lock box, and pull handle. (electrical conduit by others)

- 2650-107 Disconnect kit for Models SLC, SLR, SLD
- 2700-146 Disconnect kit for Model HSLG
- 2650-103 Disconnect kit for Model GSLG-A
- 2500-1520 Fire access enclosure

Access Systems

Gate Operator Telephone Entry Systems



2510-360
RE-1SS



2500-2388
RE-2N



2500-2414
AE-100



ACP00899
AE-500



ACP00951
AE1000Plus

Residential Telephone Entry Systems

- 2500-2201-NRE-1N Residential Telephone Entry System. Nickel finish – Capable of sharing an existing phone line. Integrated keypad, radio receiver and intercom. Built-in clock, calendar, 100-code capacity.
- 2510-360 RE-1SS Residential Telephone Entry System. Stainless steel finish – Capable of sharing an existing phone line. Integrated keypad, radio receiver and intercom with black and white CCTV camera installed. Built-in clock, calendar, 100-code capacity.
- 2500-2388 RE-2N Residential Telephone Entry System. Nickel finish
- 2500-2390 TR-RE2N Trim ring for flush mounting - RE-2N nickel finish
- 2500-2389 RE-2S Residential Telephone Entry System. Stainless steel finish
- 2500-2391 TR-RE2SS Trim ring for flush mounting - RE-2S stainless steel finish
- ACP00936A CCM-2A Color camera add-on for RE-2

Commercial Telephone Entry Systems

- 2500-2414 AE-100 Telephone Entry System. 125-tenant capacity. Local programming 2 line by 16 character LCD display
- 2500-2415 TR-100 Trim ring for flush mounting - AE-100
- ACP00899 AE-500 Telephone Entry System. A basic telephone entry system for full access of 1 or 2 portals. Ideal for apartments, condos, dorms, hospitals and other commercial sites. 250-user capacity, local programming via keypad, remote programming via standard web browser or touch-tone phone. Recessed 12-button keypad with surround lighting and 2-line-by-16-character backlit LCD. Built-in MegaCode radio receiver. No time zones or access groups.
- ACP00908 TR-500 Trim ring for flush mounting - AE-500
- ACP00951 AE1000Plus Telephone Entry System. Designed for use as a primary access control device for gated communities, parking garages, office buildings, apartments, dorms, hotels/motels, commercial buildings and recreational facilities. Full control of 4 gates or doors, each supporting request to exit and door status monitoring. Programmable directory code length and talk time, extended talk time allowed per cardholder. 10,000 cardholders. 20,000-event transaction log. 32 security levels, 32 time zones, 32 door schedules and 24 holiday schedules. Built-in MegaCode radio receiver. Multiple unit network capable. Local or remote programming using a PC browser viewing the built-in AXNET interface or using AccessBase2000 custom software.
- ACP00909 TR-1000 Trim ring for flush mounting - AE1000Plus
- ACP00952 AE2000Plus Telephone Entry System. The ultimate in telephone entry. The AE2000Plus has all of the features of the AE1000Plus listed above, along with a large 24-line temperature compensated back-lit VGA resolution LCD screen. The AE2000Plus presents up to 24 names at a time for quick and easy user navigation. It also features voice prompts in English and Spanish.
- ACP00914 TR-2000 Trim ring for flush mounting - AE2000Plus
- ACP00904A CCM-1A Color camera add-on for AE-100, AE-500, AE1000Plus, and AE2000Plus

Access Systems

Gate Operator Access Controllers



2500-2300
AM3Plus

Programmable Gate/Door Controllers

2500-2300 AM3Plus Multi-Door Controller. Full control of 4 doors or gates; each supporting request to exit and status monitoring. 10,000-user capability. Direct input for 2 card readers; add AM-CRIs for more. 32 security levels, 32 time zones, 32 door schedules, and 24 holiday schedules. Relay auto lock/unlock schedules. Multiple unit network capable. Local or remote programming using a PC browser viewing the built-in AXNET interface or using AccessBase2000 custom software.

Options and PBUS Accessories for AM3Plus, AE1000Plus, and AE2000Plus Systems:

- 2500-2302 CAB-3 Outdoor enclosure, NEMA 3R for AM3Plus
- 2520-420 AM-PR Proximity reader in enclosure (6" read range) for AM-PC, AM-PT, ACT-31D, ACT-34D
- 2500-1950 AM-PC Cards for proximity reader (minimum order 50)
- 2500-2297 AM-PT Proximity tags
- 2500-1909 AM-KP Keypad, wired, outdoor enclosure
- 2500-1951 AM-CRI Card Reader Interface
- 2500-2024 AM-RRR Remote Radio Receiver (MegaCode)
- 2500-2303 AM-RPR Remote Proximity Receiver
- 2500-2301 ACM-1 Modem for AM3Plus
- 2500-1919 A2C/DB9 Direct Serial Connect Cable
- 2500-1920 A2C/DB25 Direct Serial Connect Cable



2500-1951
AM-CRI



2500-2303
AM-RPR



2500-1950
AM-PC



2500-2297
AM-PT



2500-2025
MT-1B



2500-2026
MT-2B

AP-5 Controller:

2520-512 AP-5 Single Door/Gate Controller With Radio Receiver (Installed with 15' coax). Works with MegaCode Radio Products. Easy to set up and use – up to 480 remotes can be programmed with a few keystrokes. Add, suspend and delete transmitters through programming mode – no dipswitches to set. Supports 480 block-coded transmitters or 238 individual transmitters/wireless keypad entry codes. Supports six fully supervised MGT safety edge transmitters. Three 1-amp rated output relays. High-gain superheterodyne receiver with up to 500 feet range. Includes remote coax antenna.

Options and Accessories for AP-5 Controller:

- 2510-372 MGT Supervised gate edge transmitter with mounting kit
- 2500-2025 MT-1B 1-Channel factory block coded transmitter
- 2500-2026 MT-2B 2-Channel factory block coded transmitter
- 2500-2186 ACT-31B 1-Channel keychain block coded transmitter
- 2500-2187 ACT-34B 4-Channel keychain block coded transmitter



2500-2186
ACT-31B



2500-2187
ACT-34B

Long-Range Proximity (RFID) System

Long-Range, Hands-Free Vehicle Identification System
Up to 450 feet read range. The vehicle ID readers communicate with tags to capture the presence, identification, and location of vehicle, assets, and people. The system is specifically designed for hands-free vehicle identification for parking lots, airports, gated communities, and military applications. The system must be interfaced with an access control panel such as the AM3Plus, AE1000Plus, or AE2000Plus. Communicates via standard Wiegand 26- or 32-bit format.

- 2520-509 Basic Long-Range RFID Package. Includes: reader, interface, and power supply in outdoor enclosure
- 2500-2419 AA-T200 Personnel or vehicle windshield tag
- 2500-2418 Directional antenna kit

Detectors and Edges

Gate Operator Vehicle Detectors and Safety Sensors

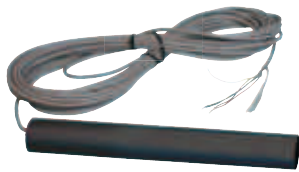


2500-2346-LP

2500-2377

Vehicle Detectors— for use as an opening, reversing device, or shadow loop Loop Detector – plug-In style (fits APeX Controller)

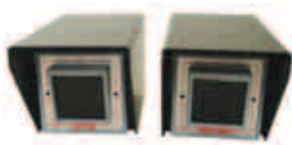
- 2500-2346 Plug-in style loop detector, dual output
- 2500-2346-LP Plug-in style loop detector, dual output, low (8 mA) power
- 2500-2509 Harness, adapts non plug-in detectors to APeX, 36"



2500-2508

Loop Detectors – box style

- 2510-190 Single detector wired in operator (2500-2375)
- 2510-191 Two detectors wired in operator (2500-2375 x 2)
- 2500-2375 EDI LMA-100LV single relay, 12-24 VAC or DC
- 2500-2376 EDI LMA-200LV dual relay, 12-24 VAC or DC
- 2500-2377 EDI LMA-1250LV dual relay with display, 12-24 VAC or DC
- 2500-2378 EDI LMA-1250LP dual transistor output, 12-24 VDC, low power
- 2500-2196 Harness only, prewired DC power
- 2500-2420 Harness only



2520-441

Probe Detectors - burial style – for use as opening devices only *cannot be used as a reversing device!*

- 2500-1928 Detector - probe - 24 VAC - 50' lead
- 2500-1929 Detector - probe - 24 VAC - 100' lead
- 2500-1883 Detector - probe - 24 VAC - 150' lead
- 2500-2132 Detector - probe - 24 VDC - 100' lead
- 2500-2133 Detector - probe - 24 VDC - 150' lead
- 2500-2508 Integrated probe/detector - 9-35 volts AC/DC - low power (1.5 mA) - 100' lead

Loops & Sealant

- 2510-222 Loop wire kit with two sealants (200' of wire)
- 2510-015 Loop wire kit with one sealant (200' of wire)
- 2500-1502 Loop preformed in PVC, 6'x12'
- 2510-195 Loop preformed in PVC, 6'x15'
- 1600-542 Loop sealant tube (black)
- 1600-818 Loop sealant tube (gray)



2120-478-YS

2500-150

Time Delay Systems

- 2500-2006 7-Day timer AC/DC
- 2500-1349 365-Day timer—holiday programming, battery back-up

Photo Electric Controls – for use as a reversing or stopping device with beam spanning gate opening

- 2520-031 Photo eye with reflector and hood, 28' range, UL Listed
- 2500-150 Photo eye with reflector only, 28' range, UL Listed
- 2520-441 Photo eye thru-beam, swivel mount with hardware, 165' range, UL Listed
- 2510-306 Photo eye, thru-beam, 165' range, 24 volt, NEMA 4, UL Listed
- 190-110742 Photo eye, thru-beam, 32' range, UL Listed
- 2120-478-YS Mounting pedestal for photo eyes (set), yellow (-031, -158, -441, -306 only)
- 2120-478-BT Mounting pedestal for photo eyes (set), black



2500-2112



2500-2010

Electric Gate Edges – for use as a reversing or stopping device

- 2520-300 Edge, MG020, 3' with channel
- 2510-281 Edge, MG020, 4' with channel
- 2510-042 Edge, MG020, 5' with channel
- 2510-349 Edge, MG020, 6' with channel
- 2500-2112 Edge, MGR20, 4', 2" round
- 2500-2009 Edge, MGR20, 5', 2" round
- 2500-2010 Edge, MGS20, 5', 2" square
- 2520-134 Edge, MG020, 5' with channel and 15' coil cord with junction box
- 2510-220 1051 Gate edge transmitter, Multi-Code, with mounting kit
- 2510-372 MGT Gate edge transmitter, MegaCode, with mounting kit

Add-on Devices

Intercoms, Locks, Warning Devices, & Solar Panels



2520-007

Intercom Systems

- 2520-053 Complete two-station intercom system. Includes one indoor call master, one outdoor substation, 12-volt power supply, and one gooseneck stand (for up to 1,500')
- 2500-1372 Master indoor intercom station with door release button
- 2520-006 Master indoor intercom station with 12VDC power supply
- 2520-007 Outdoor intercom substation with call button on gooseneck stand
- 2520-060 Outdoor intercom substation with call button
- 2520-008 Outdoor intercom substation with call button and single period card reader on gooseneck stand
- 2520-139 Outdoor intercom substation with single period card reader, without stand
- 2520-410 Outdoor intercom substation with 480-code keypad, on gooseneck stand, AK-2W



2520-424

Electric Gate Locks

When ordered with an operator, all Linear gate locks include any necessary adaptations or transformers to control the lock.

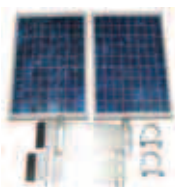
- 2520-424 Magnetic slide gate lock with mounting hardware, 24VDC
- 2520-422 Magnetic swing gate lock with mounting hardware, 24VDC
- 2650-063 Magnetic lock adaption (for adding to existing operators)
- 2520-048 Electric slide gate lock with mounting hardware for 3" post enclosed in heavy gauge steel case, 115V
- 2520-279 Electric slide gate lock for 4" post
- 2520-049 Electric swing gate lock with mounting hardware for 3" post, same as above
- 2520-388 Time delay circuit (three seconds) in enclosure for gate lock



2510-335

Warning Devices

- 2500-352 Signal light - (constant) used as warning that gate is moving, or to signal position of gate (open, closed)
- 2510-335 Signal light (flashing strobe), red, with mounting hardware, 24VDC
- 2510-336 Signal light (flashing strobe), green, with mounting hardware, 24VDC
- 2510-337 Signal light (flashing strobe), amber, with mounting hardware, 24VDC
- 2520-302 Traffic light assembly, red and green



2520-511

Solar Panels

Can be used to charge batteries for all Linear DC operators. Consult factory for assistance in sizing panels for your application.

- 2520-511 40 (2 x 20) Watt, 24V solar panel with mounting hardware
- 2500-2480 10 Watt, 24V solar panel with mounting hardware



190-107633
SPS-50

Backup Power Supply

- 190-107633 SPS-50 Backup power supply (115V, 1/2 HP operators only)

Installation Accessories

Pedestals, Gooseneck Stands, & Roller Covers



2120-047-BT



2120-441-BT



2110-183-BT



2500-2332
GNC-1



2500-2207

Pedestals

- 2120-047-BT Heavy-duty post-type pedestal for pad mounting (Models HSLG, GSLG-A)
- 2120-441-BT Angle brackets for pad mounting the above slide gate operators, per pair (Models HSLG, GSLG-A)
- 2110-183-BT Heavy-duty post-type pedestal for pad mounting (Models SWG, VS-GSWG)
- 2100-2120 Heavy-duty post-type pedestal for pad mounting

Gooseneck Stands

- 2500-2333 GNB-1 Single-level, burial mount, (2" x 2" square tube)
- 2500-2332 GNC-1 Single-level, curb mount, (2" x 2" square tube)
- 2120-428-BT Bi-level with universal mounting, 1.5" dia. round
- 2120-392-BT Truck height only, 83", 1.5" dia. round
- 2820-067 For special stand (must provide specifications)
- 2120-443-BT Gooseneck stand base cover

Miscellaneous- Heater Strips and Thermostats for extreme cold temperatures

- 2500-2116 Heater stick-on, 115V (for SL and SW Series only)
- 2500-2117 Heater stick-on, 230V (for SL and SW Series only)
- 2510-262 Heater strip and thermostat, 115V
- 2510-273 Heater strip and thermostat, 230V
- 2520-354 Heater strip and thermostat, 460V
- 2650-111 Cold weather package, 115V (must be ordered with operator)
- 2650-112 Cold weather package, 230V (must be ordered with operator)
- 2650-148 Cold weather package, 460V (must be ordered with operator)

Roller Covers

- 2100-1016 Roller covers for cantilever slide gates, includes two top roller covers

Fuses

- 2510-292 Accessory pack of fuses for solid state boards: (10) 2-amp, (2) 3-amp

Master/Second Network Pair Shielded Cable

- 2500-2014 50' cable, master/second communication
- 2500-2015 100' cable, master/second communication

Surge Protector

- 2500-2207 Low voltage surge protector

For remote control of garage door openers to gate operators, from loading dock doors to access control systems, from everyday entry to high security, Linear makes radio controls to cover the industry's diverse range of applications. Single and multi-channel transmitters and receivers can be mixed and matched within product families to fit just about any installation. If it's radio controls you need, you've come to the right source



The Infallible Model DT Delta-3 Transmitter
In continuous production since 1976

TRANSMITTERS AND RECEIVERS, YOUR WIRELESS LINK

Since its beginning in 1961, Linear has manufactured radio remote controls for garage door operators and many other applications. Over the years, hundreds of models in various frequencies and code formats have been designed and developed for specific applications and uses. Linear's heart of expertise is radio remote controls.

- Our popular Delta 3 line offers 256 codes and a 310 MHz frequency, which is ideal for most sites.
- Our MegaCode line offers a 318 MHz frequency and adds the security of over 1,000,000 codes, each sequentially preset by the factory to all but eliminate any possibility of duplication.
- Our Multi-Code and Stanley compatible radio controls each offer 1,024 codes and either 300 or 310 MHz frequency.
- The most solutions for commercial and residential applications. In 318 and 288 MHz frequencies with 19,687 settable codes and learning technology.
- Linear's radio control transmitters are further supplemented by a series of high-performance stand-alone radio receivers and access controllers for supporting systems of nearly any size and entry method.

For technical support or for assistance in designing a system using Linear Radio Control products, call us at (800) 421-1587.



A PIONEER IN DEVELOPMENT

Linear pioneered the development of low-cost, stable, transmitter technology that allowed for miniaturization of transmitters that were substantially smaller than existing products.

- Transmitters with surface acoustical wave resonator crystals for guaranteed frequency stability over time.
- Custom miniature integrated circuits allow for smallest size and fewer components.
- Stable RF circuit design that minimizes frequency shift by hand capacitance.
- Small form-factor devices facilitated development of key chain and key fob transmitters.

RANGE TESTED

We range test all our radio remote control designs in four quadrants at measured distances on Linear's calibrated FCC and Industry Canada registered testing range. This assures each design conforms to maximum output power allowed by regulations, and maximum radio range for your installation.

FACTORY BACKED

We stand behind our radio remote controls by offering generous warranties and the industry's best customer support.

- One year or two year warranties depending on model.
- East and West Coast distribution centers.
- National field sales and support network.

Multi-Code Series

Sets & Transmitters

1011

Multi Single

- Radio receiver and transmitter set
- One 109020 receiver
- One 308911 transmitter



Product No. MCS1011

2022

Multi Double

- Radio receiver and transmitter set
- One 109020 receiver
- Two 308911 transmitters



Product No. MCS2022

308911

1-Channel Visor Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS308911

412001

2-Channel Visor Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS412001

414001

4-Channel Visor Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 512 codes for each channel (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS414001

306010

1-Channel Key Ring Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Easy access to battery and coding switches
- Power: 12-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 1.5" W x 2.5" H x 0.625" D



Product No. MCS306010

308301

2-Channel Key Ring Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Easy access to battery and coding switches
- Power: 12-volt battery
- Codes: 1,024 codes for each channel (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 1.5" W x 2.5" H x 0.625" D



Product No. MCS308301

307010

1-Channel Key Ring Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Easy access to battery and coding switches
- Power: 12-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 1.5" W x 2" H x 0.625" D



Product No. MCS307010

Multi-Code Series

Keypad, Safety Edge Transmitter, & Receivers

420001

Wireless Keypad

- Compatible with 300 MHz Multi-Code receivers
- 4-digit access code
- Backlit keys
- Easy access to battery
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 2.75" W x 6.25" H x 1" D



Product No. MCS420001

302210

Safety Edge Transmitter

- Compatible with 300 MHz Multi-Code receivers
- Safety edge transmitter
- Activates receiver for stop or reverse entrapment
- No cables or coiled wires
- Mounting hardware (4 screws) supplied
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 4.28" W x 2.875" H x 2.25" D



Product No. MCS302210

109020

1-Channel Receiver

- One channel
- Power: 24 VAC
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 3" W x 5.5" H x 1.5" D



Product No. MCS109020

109920

1-Channel 110V Gate Receiver

- Operates on 115 VAC power
- One channel
- Whip antenna
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. MCS109920

109950

1-Channel 12-24V Gate Receiver

- Operates on 12-24 volts AC or DC power
- One channel
- Whip antenna
- 3-foot antenna coax and bulkhead connector
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz or 310 MHz (jumper selectable)
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. MCS109950

302850

2-Channel 12-24V Gate Receiver

- Operates on 12-24 volts AC or DC power
- Two channels
- Whip antenna
- 3-foot antenna coax and bulkhead connector
- Codes: 512 (set by dipswitches)
- RF frequency: 300 MHz or 310 MHz (jumper selectable)
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. MCS302850

302101

2-Channel Heavy Duty Gate Receiver

- Operates on 24 volts AC or DC power
- Two channels
- Whip antenna
- Codes: 512 (set by dipswitches)
- RF frequency: 300 MHz
- Dimensions: 6" W x 8" H x 4" D



Product No. MCS302101

Stanley Compatible Series

Transmitters

105015

1-Channel Visor Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 3.75" W x 2.5" H x 0.875" D



Product No. MCS105015

109710

4-Channel Visor Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 512 per channel (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS109710

308913

1-Channel Visor Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS308913

108210

1-Channel Key Ring Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Easy access to battery and coding switches
- Power: 12-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 1.5" W x 2" H x 0.625" D



Product No. MCS108210

109410

2-Channel Visor Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Supplied with visor clip
- Easy access to battery and coding switches
- Power: 9-volt battery
- Codes: 1,024 per channel (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.5" W x 3.75" H x 0.875" D



Product No. MCS109410

308302

2-Channel Key Ring Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Easy access to battery and coding switches
- Power: 12-volt battery
- Codes: 1,024 codes for each channel (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 1.5" W x 2.5" H x 0.625" D



Product No. MCS308302

Stanley Compatible Series

Keypad, Safety Edge Transmitter, & Receivers

298601

Wireless Keypad

- Compatible with 310 MHz Stanley and Multi-Code receivers
- 4-digit access code
- Backlit keys
- Easy access to battery
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.75" W x 6.25" H x 1" D



Product No. MCS298601

105104

Gate Safety Edge Transmitter

- Compatible with 310 MHz Stanley and Multi-Code receivers
- Safety edge transmitter
- Activates receiver for stop or reverse entrapment
- No cables or coiled wires
- Mounting hardware (4 screws) supplied
- Power: 9-volt battery
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 4.28" W x 2.875" H x 2.25" D



Product No. MCS105104

309013

1-Channel Receiver

- Operates on 24 VAC power
- One channel
- Codes: 1,024 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 3" W x 5.5" H x 1.5" D



Product No. MCS309013

109950

1-Channel 12-24V Gate Receiver

- Operates on 12-24 volts AC or DC power
- One channel
- Whip antenna
- 3-foot antenna coax and bulkhead connector
- Codes: 1,024 (set by dipswitches)
- RF frequency: 300 MHz or 310 MHz (jumper selectable)
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. MCS109950

302850

2-Channel 12-24V Gate Receiver

- Operates on 12-24 volts AC or DC power
- Two channels
- Whip antenna
- 3-foot antenna coax and bulkhead connector
- Codes: 512 (set by dipswitches)
- RF frequency: 300 MHz or 310 MHz (jumper selectable)
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. MCS302850

Delta-3 Series

Sets, Transmitters, Keypad, & Safety Edge Transmitter

DS

Delta Single

- Radio receiver and transmitter set
- One DR receiver
- One DT transmitter
- Compatible with 310 MHz Delta-3 systems



Product No. DNP00011

DD

Delta Double

- Radio receiver and transmitter set
- One DR receiver
- Two DT transmitters
- Compatible with 310 MHz Delta-3 systems



Product No. DNP00006

DT

1-Channel Visor Transmitter

- Activates one Delta-3 receiver
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00002A

DT-2A

2-Channel Visor Transmitter

- Activates two Delta-3 receivers independently
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00017A

DT-4A

4-Channel Visor Transmitter

- Activates four separate Delta-3 receivers
- Can also be used as remote UP, DOWN, and STOP control for commercial operators
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 64 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00027B

DT-3+1

4-Channel Common Gate Access Transmitter

- Activates one DRG gate receiver and up to three separate Delta-3 receivers
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 256 independent codes for gate + 64 multi-channel codes for doors (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00027A

DTKP

Keypad Transmitter

- Activates multiple Delta-3 receivers
- 1-8 digit PIN
- Backlit keys for easy viewing
- Mounting hardware supplied
- Power: 9-volt battery
- Codes: 256
- RF frequency: 310 MHz
- Dimensions: 2.5" W x 7.5" H x .875" D

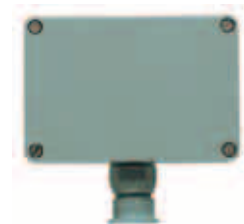


Product No. DNT00062

DTG

Safety Edge Transmitter

- Safety edge transmitter
- Activates one Delta-3 receiver for remote stop or reverse safety edge
- No cables or coiled wires
- Mounting screws (4) supplied
- Power: 9-volt battery
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 4.28" W x 2.875" H x 2.25" D



Product No. DNT00072

Delta-3 Series

Receivers

DR 1-Channel Receiver

- Activates one device
- Wire lead antenna
- 12 and 24 Volt models
- Mounting bracket supplied
- Power: 24 VAC/VDC
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00001

DR4-12 4-Channel, 12-volt, Receiver

- Activates four devices or UP, DOWN, STOP COMMERCIAL
- Wire lead antenna
- Mounting bracket supplied
- Power: 12 VAC/VDC
- Codes: 64 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 4.9" W x 4.2" H x 1.3" D



Product No. DNR00057

DRA 1-Channel, 12-volt, Receiver

- Activates one device
- Wire lead antenna
- 12 and 24 Volt models
- Mounting bracket supplied
- Power: 12 VAC/VDC
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00012

GRD 1-Channel Gate Receiver

- Auto voltage sensing - no jumpers to set
- Single Form "A" (normally open) relay rated at 30 Volts AC/DC up to 5 Amps
- Supplied with whip antenna, three feet of coaxial cable, and bulkhead connector
- Power: 12 - 30 VAC or 10.5 - 30 VDC
- Codes: 256 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. DNR00101

DR-2 2-Channel Receiver

- Activates two devices
- Wire lead antenna
- 12 and 24 Volt models
- Mounting bracket supplied
- Power: 24 VAC/VDC
- Codes: 128 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00018

GRD-2 2-Channel Gate Receiver

- Auto voltage sensing - no jumpers to set
- Two Form "A" (normally open) relays rated at 30 Volts AC/DC up to 5 Amps
- Supplied with whip antenna, three feet of coaxial cable, and bulkhead connector
- Power: 12 - 30 VAC or 10.5 - 30 VDC
- Codes: 128 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. DNR00102

DR-4 4-Channel Receiver

- Activates four devices or UP, DOWN, STOP COMMERCIAL
- Wire lead antenna
- Mounting bracket supplied
- Power: 24 VAC/VDC
- Codes: 64 (set by dipswitches)
- RF frequency: 310 MHz
- Dimensions: 4.9" W x 4.2" H x 1.3" D



Product No. DNR00023A

MegaCode Series

Transmitters

MCT-1

1-Channel Visor Transmitter

- Activates one MegaCode receiver
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00083

MDT-1A

1-Channel Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Factory programmed MegaCode format supports over 1,000,000 codes
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. DNT00052A

MCT-11

1-Channel Visor Transmitter

- Activates one MegaCode receiver
- Test/operate LED
- Visor mounting clip supplied
- Visor clip mounts vertical or horizontal
- Power: Two 2032 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 3" W x 1.875" H x .625" D



Product No. DNT00090

MDT-2A

3-Channel Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Factory programmed MegaCode format supports over 1,000,000 codes
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. DNT00053A

MCT-2

2-Channel Visor Transmitter

- Activates two MegaCode receivers independently
- Test/operate LED
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 2.16" W x 3.75" H x .95" D



Product No. DNT00084

MDT-4A

5-Channel Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Factory programmed MegaCode format supports over 1,000,000 codes
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. DNT00054A

MCT-3

3-Channel Visor Transmitter

- Activates three MegaCode receivers
- Test/operate LED
- Visor mounting clip supplied
- Visor clip mounts vertical or horizontal
- Power: Two 2032 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 3" W x 1.875" H x .625" D



Product No. DNT00089

MegaCode Series

Transmitters & Gate Safety Edge Transmitter

ACT-21A

1-Channel Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Minimum order quantity 10 transmitters
- Power: Two 1616 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00607

ACT-22A

3-Channel Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Minimum order quantity 10 transmitters
- Power: Two 1616 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00606A

MDTK

Keypad Transmitter

- Activates multiple MegaCode receivers
- User selects 1 to 6 digit PIN number or 1 to 6 letter PIN name
- Programming is easy via the keypad; MegaCode receiver auto-learns PIN
- Backlit keys for easy viewing
- Wall mounting hardware (2 screws and anchors) supplied
- Power: 9-volt battery
- Codes: 1-6 digit PIN
- RF Frequency: 318 MHz
- Dimensions: 2.5" W x 7.5" H x .875" D



Product No. DNT00058

MDKP

Exterior Wireless Keypad

- Internal antenna
- 1-6 digit PIN for each user
- Long life lithium battery
- Rugged cast aluminum housing
- Built-in downlight
- Power: 9-volt lithium battery
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 4" W x 7" H x 3" D



Product No. ACP00878

MGT

Gate Safety Edge Transmitter

- Safety edge transmitter
- Activates one MegaCode receiver for stop or reverse safety edge
- No cables or coiled wires
- Mounting hardware (4 screws) supplied
- Visor clip included
- Power: Two 2450 batteries
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 4.28" W x 2.875" H x 2.25" D



Product No. DNT00068

MegaCode Series

Receivers

MDR

1-Channel Receiver

- Activates one device
- Wire lead antenna
- Mounting bracket supplied
- Memory: storage for up to 20 MegaCode transmitters
- Power: 24 VAC/VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00071

MDR-2

2-Channel Receiver

- Activates two devices
- Wire lead antenna
- Mounting bracket supplied
- Memory: storage for up to 20 MegaCode transmitters
- Power: 24 VAC/VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00072

MDR/U

1-Channel Plug-in Universal Receiver

- Makes any garage door operator compatible with MegaCode transmitters
- Simple plug-in design
- Easy to install - one connection using two-conductor wire
- Memory: storage for up to 10 MegaCode transmitters
- Normally open contact activates for 0.5 seconds
- Power: 110 VAC +/- 10%, 60 Hz
- Codes: 1,000,000+ (MegaCode format)
- RF frequency: 318 MHz
- Dimensions: 2.52" W x 2.5" H x 1.61" D



Product No. DNR00100

MDRG

1-Channel Gate Receiver

- Activates one gate or device
- Supplied with F-connector and whip antenna
- Mounting bracket supplied
- Memory: storage for up to 40 MegaCode transmitters
- Power: 24 VAC/VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00073

MGR

1-Channel Gate Receiver

- Single Form "A" (normally open) relay rated at 30 Volts AC/DC up to 5 Amps
- Supplied with whip antenna, three feet of coaxial cable, and bulkhead connector
- Memory: storage for up to 40 MegaCode transmitters
- Power: 12 - 30 VAC or 10.5 - 30 VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. DNR00104

MGR-2

2-Channel Gate Receiver

- Two Form "A" (normally open) relays rated at 30 Volts AC/DC up to 5 Amps each
- Supplied with whip antenna, three feet of coaxial cable, and bulkhead connector
- Memory: storage for up to 40 MegaCode transmitters
- Power: 12 - 30 VAC or 10.5 - 30 VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 3.625" W x 5.25" H x 1.5" D



Product No. DNR00105

SMDRG

1-Channel Gate Receiver

- High gain superheterodyne receiver
- High RFI immunity
- Supplied with F-connector, whip antenna, and mounting bracket
- Memory: storage for up to 40 MegaCode transmitters
- Power: 24 VAC/VDC
- Codes: 1,000,000+ (MegaCode format)
- RF Frequency: 318 MHz
- Dimensions: 5.5" W x 4" H x 1.25" D



Product No. DNR00098

MegaCode Series

Factory Block Coded Transmitters

MT-1B

1-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Operate LED
- Visor clip included
- Sold in lots of 10
- Power: 9-volt battery
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 2.2" W x 3.8" H x 0.9" D



Product No. ACP00877

MT-2B

2-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Operate LED
- Visor clip included
- Sold in lots of 10
- Power: 9-volt battery
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 2.2" W x 3.8" H x 0.9" D



Product No. ACP00746

ACT-31B

1-Channel Block Coded Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00879

ACT-34B

4-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00872

ACT-31D

1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

- Compatible with all Linear access receivers and controllers
- Built-in 26-bit Wiegand proximity tag
- Eliminates need for separate proximity card or tags and transmitter
- Supplied with quick-disconnect key ring
- Same facility and ID codes for transmitter and proximity tag
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00954

ACT-34D

4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

- Compatible with all Linear access receivers and controllers
- Built-in 26-bit Wiegand proximity tag
- Eliminates need for separate proximity card or tags and transmitter
- Supplied with quick-disconnect key ring
- Same facility and ID codes for transmitter and proximity tag
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Factory block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00955

MegaCode Series

Custom* Block Coded Transmitters

Available in factory programmed blocks of transmitters with your choice of starting block code number

MDT-1B

1-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Sold in lots of 10
- Power: Two 2032 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. ACP00721

MDT-2B

3-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Sold in lots of 10
- Power: Two 2032 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. ACP00720

MDT-4B

5-Channel Block Coded Visor Transmitter

- Compatible with all Linear access receivers and controllers
- Superior transmission range
- Unique "Extra" top button
- High visibility operate LED
- Visor clip included
- Sold in lots of 10
- Power: Two 2032 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.6" W x 4.2" H x 0.8" D



Product No. ACP00722

ACT-21B

1-Channel Block Coded Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 1616 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00615

ACT-22B

3-Channel Block Coded Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 1616 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00616A

ACT-31C

1-Channel Custom Block Coded Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00939

ACT-34C

4-Channel Custom Block Coded Key Ring Transmitter

- Compatible with all Linear access receivers and controllers
- Supplied with quick-disconnect key ring
- Sold in lots of 10
- Power: Two 2016 batteries
- Codes: Custom block coded in MegaCode format
- RF frequency: 318 MHz
- Dimensions: 1.25" W x 2.25" H x 0.48" D



Product No. ACP00940

MVP Series

Transmitters, Keypad, & Receivers

MVP-QC

3-Button MVP Quik-Code Transmitter

- Compatible with all MVP receivers and operators
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-110925

MVP-1CH-24V-3W-FC

1-Channel Gate Receiver

- One channel
- 3-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-111963

MVP-WKE

Wireless Keypad

- Compatible with all MVP receivers and operators
- 4-digit access code
- Backlit keys
- Operate LED
- Power: 9-volt battery
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 2.5" W x 6.125" H x 1.5" D



Product No. 190-110927

MVP-1CH-12V-4W-FC

1-Channel Gate Receiver

- One channel
- 4-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 12 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-111965

MVP-1CH-24V-3T

1-Channel Receiver

- One channel
- Standard 3-terminal operator connection
- Wire antenna
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 7.125" W x 3.625" H x 1.375" D



Product No. 190-110548

MVP-1CH-24V-4W-FC

1-Channel Gate Receiver

- One channel
- 4-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-111645

MVP-1CH-12V-3W-FC

1-Channel Gate Receiver

- One channel
- 3-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 12 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112400

MVP Series

Receivers

MVP-1CH-24V-6W-DO-FC 1-Channel Gate Receiver

- One channel - dual relay output
- 6-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-111968

MVP-1CH-24V-3T-288RF 1-Channel Receiver, 288 MHz

- One channel
- 3-terminal operator connection
- Wire antenna
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 7.125" W x 3.625" H x 1.375" D



Product No. 190-111962

MVP-3CH-24V-3T-4W 3-Channel Receiver

- Three channels
- 4-wire, 3-terminal operator connection
- Wire antenna
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 7.125" W x 3.625" H x 1.375" D



Product No. 190-110550

MVP-1CH-24V-4W-288RF-FC 1-Channel Gate Receiver, 288 MHz

- One channel
- 4-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112562

MVP-3CH-12V-8W-FC 3-Channel Gate Receiver

- Three channels
- 8-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 12 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112714

MVP-1CH-24V-6W-DO-288RF-FC 1-Channel Gate Receiver, 288 MHz

- One channel - dual relay output
- 6-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112398

MVP-3CH-24V-8W-FC 3-Channel Gate Receiver

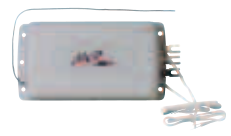
- Three channels
- 8-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-111957

MVP-3CH-24V-3T-4W-288RF 3-Channel Receiver, 288 MHz

- Three channels
- 4-wire, 3-terminal operator connection
- Wire antenna
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 7.125" W x 3.625" H x 1.375" D



Product No. 190-112403

Allstar Series

Transmitters & Keypad

QC-CLASSIC

3-Button Allstar Quik-Code Transmitter

- Compatible with Allstar and MVP receivers
- Replaces all 99xxT and 88xxT transmitters
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-110995

9921MT

1-Button Miniature Transmitter

- Compatible with Allstar and MVP receivers
- Tab for key ring
- Power: 12-volt battery
- Codes: 512 (set by nine binary dipswitches)
- RF frequency: 318 MHz
- Dimensions: 1.375" W x 2.75" H x 0.625" D



Product No. 190-109393

9921T

1-Button Transmitter

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 512 (set by nine binary dipswitches)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-108794

9931T

1-Button Transmitter

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 19683 (set by nine trinary dipswitches)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-108787

9931MT

1-Button Miniature Transmitter

- Compatible with Allstar and MVP receivers
- Tab for key ring
- Power: 12-volt battery
- Codes: 19683 (set by nine trinary dipswitches)
- RF frequency: 318 MHz
- Dimensions: 1.375" W x 2.75" H x 0.625" D



Product No. 190-109391

8833T

3-Button, 3-Door, Transmitter

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 6561 (set by trinary dipswitches)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-108817

9931-WKE

Wireless Keypad

- Compatible with Allstar and MVP receivers
- 4-digit access code
- Backlit keys
- Operate LED
- Power: 9-volt battery
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 2.5" W x 6.125" H x 1.5" D



Product No. 190-104078

Allstar Series

Alternate Frequency Transmitters

QC-CLASSIC-288RF

3-Button Allstar Quik-Code Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Replaces all 99xxT and 88xxT transmitters
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-111025

9931MT-288RF

1-Button Miniature Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Tab for key ring
- Power: 12-volt battery
- Codes: 19683 (set by nine trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 1.375" W x 2.75" H x 0.625" D



Product No. 190-109392

9921T-288RF

1-Button Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 512 (set by nine binary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109382

8833T-288RF

3-Button, 3-Door, Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 6561 (set by trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109502

9931T-288RF

1-Button Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Visor mounting clip supplied
- Power: 9-volt battery
- Codes: 19683 (set by nine trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109387

Allstar Series

Commercial Door Transmitters

535T

3-Button, 27-Door, Open-Close-Stop, Stationary Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-107475

639T

3-Button, 9-Door, Open-Close-Stop, Stationary Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-107476

733T

3-Button, 3-Door, Open-Close-Stop, Stationary Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-107477

831T

3-Button, 1-Door, Open-Close-Stop, Stationary Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-107483

CKT-240

240-Door, Commercial Open-Close-Stop, Wireless Keypad

- Compatible with 3-channel MVP receivers
- Stationary mounting
- Backlit keys
- Power: 9-volt battery
- Codes: 240 (3-digit access codes 001-240)
- RF frequency: 318 MHz
- Dimensions: 2.5" W x 6.125" H x 1.5" D



Product No. 190-112052

8833TC

3-Button, 9-Door, Transmitter

- Compatible with Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Slide switch selects door trio to operate
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109023

8833TC-OCS

3-Button, 3-Door, Open-Close-Stop, Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Slide switch selects door to operate
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109025

8833T-OCS

3-Button, 1-Door, Open-Close-Stop, Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dials)
- RF frequency: 318 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109372

Allstar Series

Commercial Door Transmitters & Receivers

QC-CLASSIC-OCS

3-Button Open-Close-Stop Allstar Quik-Code Classic Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 6561
- RF frequency: 318 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-111662

MVP-CP

3-Button, Constant Pressure, Quik-Code Transmitter

- Compatible with Allstar and MVP receivers
- Constant pressure provides a continuous transmission.
- Good for commercial and OEM applications
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-112277

MVP-OCS

3-Button Open-Close-Stop MVP Quik-Code Transmitter

- Compatible with 3-channel Allstar and MVP receivers
- Quik-code programming, no dipswitches
- Operate LED
- Visor clip included
- Power: Two 2032 batteries
- Codes: 6561
- RF frequency: 318 MHz
- Dimensions: 3.25" W x 1.75" H x 0.625" D



Product No. 190-112630

831RJ

1-Door, Open-Close-Stop, Receiver in Oil Tight (JIC) Case

- Three channels - three relay outputs
- Oil-tight JIC ABS case
- Terminal strip for wiring
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- Learning technology
- RF frequency: 318 MHz
- Dimensions: 7.125" W x 8.625" H x 4.625" D



Product No. 190-107478

831R

1-Door, Open-Close-Stop, Receiver

- Three channels - three relay outputs
- Textured aluminum case
- Terminal strip for wiring
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- Learning technology
- RF frequency: 318 MHz
- Dimensions: 8.75" W x 5.375" H x 1.75" D



Product No. 190-107480

Allstar Series

Commercial Door Receivers

MVP-RE-24V-8W-FC

1-Door Open-Close-Stop Receiver

- Three channels - three relay outputs
- 8-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-110554

MVP-RE-12V-8W-FC

1-Door Open-Close-Stop Receiver

- Three channels - three relay outputs
- 8-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 12 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112380

MVP-MR

3-Channel Open-Close-Stop Modular Receiver

- Three channels - three outputs
- Connects to commercial door operator board
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 5 VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 3" W x 2.375" H x 1.625" D



Product No. 190-113157

MVP-R-24V-FC

1-Channel Receiver

- One relay output
- 3-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 318 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-113317

Allstar Series

Alternate Frequency Commercial Door Transmitters

8833TC-288RF

3-Button, 9-Door, Transmitter, 288 MHz

- Compatible with Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Slide switch selects door trio to operate
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109029

8833TC-OCS-288RF

3-Button, 3-Door, Open-Close-Stop, Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Slide switch selects door to operate
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109031

8833T-OCS-288RF

3-Button, 1-Door, Open-Close-Stop, Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Portable transmitter
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 2.25" W x 4.625" H x 1" D



Product No. 190-109373

831T-288RF

3-Button, 1-Door, Open-Close-Stop, Stationary Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-109531

639T-288RF

3-Button, 9-Door, Open-Close-Stop, Stationary Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-109604

535T-288RF

3-Button, 27-Door, Open-Close-Stop, Stationary Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-109925

733T-288RF

3-Button, 3-Door, Open-Close-Stop, Stationary Transmitter, 288 MHz

- Compatible with 3-channel Allstar and MVP receivers
- Stationary mounting
- Easy access to battery and coding switch
- Power: 9-volt battery
- Codes: 6561 (set by eight trinary dipswitches)
- RF frequency: 288 MHz
- Dimensions: 3.625" W x 6.625" H x 2.375" D



Product No. 190-110008

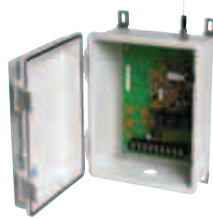
Allstar Series

Alternate Frequency Commercial Door Receivers

831RJ-288RF

1-Door, Open-Close-Stop, Receiver in Oil Tight (JIC) Case, 288 MHz

- Three channels - three relay outputs
- Oil-tight JIC ABS case
- Terminal strip for wiring
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- Learning technology
- RF frequency: 288 MHz
- Dimensions: 7.125" W x 8.625" H x 4.625" D



Product No. 190-109739

MVP-RE-24V-8W-288RF

1-Door, Open-Close-Stop, Receiver 288 MHz

- Three channels - three relay outputs
- 8-wire operator connection
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- RF frequency: 288 MHz
- Dimensions: 6.625" W x 3.625" H x 1.375" D



Product No. 190-112561

831R-288RF

1-Door, Open-Close-Stop, Receiver, 288 MHz

- Three channels - three relay outputs
- Textured aluminum case
- Terminal strip for wiring
- Wire whip antenna with "F" connector
- Compatible with Allstar Classic, Allister, and Pulsar dipswitch transmitters, and MVP quik-code transmitters
- Power: 24 VAC/VDC
- Codes: 19683
- Learning technology
- RF frequency: 288 MHz
- Dimensions: 8.75" W x 5.375" H x 1.75" D



Product No. 190-109736

Xtended Range Series

Mid-Range Transmitters

XT-1

1-Channel Stationary Mid-range Transmitter

- Up to 10 miles of line-of-sight range
- RF transmit LED
- Accepts N/O or N/C input
- Complete RF supervision, field enabled
- Fully supervised (loop status, low battery, link integrity)
- Weather-Resistant Case
- Antenna (ANT-1A or ANT-2) not included
- Power: 12 VDC
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D



Product No. SST00083

XT-4

4-Channel Stationary Mid-range Transmitter

- Up to 10 miles of line-of-sight range
- RF transmit LED
- Accepts four N/O or N/C inputs
- Complete RF supervision, field enabled
- Fully supervised (loop status, low battery, link integrity)
- Weather-Resistant Case
- Antenna (ANT-1A or ANT-2) not included
- Power: 12 VDC
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D



Product No. SST00084

XT-1H

1-Channel Handheld Mid-range Transmitter

- Up to two miles of line-of-sight range
- RF transmit LED
- Pushbutton activation
- Includes belt clip
- Antenna included
- Power: Two 9-volt batteries
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 2.375" W x 12.25" H x 1.375" D



Product No. SNT00395

XT-2H

1-Channel Handheld Mid-range Transmitter

- Up to two miles of line-of-sight range
- RF transmit LED
- Pushbutton activation
- Extra faceplate supplied for 2-button lockout operation
- Includes belt clip
- Antenna included
- Power: Two 9-volt batteries
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 2.375" W x 12.25" H x 1.375" D



Product No. SNT00396

XT-4H

1-Channel Handheld Mid-range Transmitter

- Up to two miles of line-of-sight range
- RF transmit LED
- Pushbutton activation
- Includes belt clip
- Antenna included
- Power: Two 9-volt batteries
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 2.375" W x 12.25" H x 1.375" D



Product No. SNT00397

Xtended Range Series

Mid-Range Receivers & Accessories

XR-1

1-Channel Mid-range Receiver

- Up to 10 miles of line-of-sight range (with XT-1 and XT-4)
- Up to two miles of line-of-sight with handheld devices
- Superheterodyne receiver technology
- Power on and RF activity indicators
- Form "C" relay output
- Optional RF supervision
- Weather-Resistant Case
- Antenna (ANT-1A or ANT-2) not included
- Power: 12 VDC
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D



Product No. SSR00068

XR-4

4-Channel Mid-range Receiver

- Up to 10 miles of line-of-sight range (with XT-1 and XT-4)
- Up to two miles of line-of-sight with handheld devices
- Superheterodyne receiver technology
- Power on and RF activity indicators
- Form "C" relay outputs
- Optional RF supervision
- Weather-Resistant Case
- Antenna (ANT-1A or ANT-2) not included
- Power: 12 VDC
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D



Product No. SSR00069

XR-16

16-Channel Mid-range Receiver

- Up to 10 miles of line-of-sight range (with XT-1 and XT-4)
- Up to two miles of line-of-sight with handheld devices
- Superheterodyne receiver technology
- Power On and RF Activity Indicators
- Transmitter number and condition displays
- Open Collector (short-to-common) outputs
- Optional RF supervision
- Antenna (ANT-1A or ANT-2) not included
- Power: 12 VDC
- Codes: Over 64,000
- RF frequency: 27.255 MHz
- Dimensions: 7.9" W x 6.25" H x 1.25" D



Product No. SSR00066

ANT-1A

7-inch Mid-range Antenna

- Antenna for Linear's mid-range transmitters and receivers
- Seven-inch "rubber duck" style
- Supplied with CON-180A straight antenna connector
- Order CON-90A connector for right angle antenna mounting
- Dimensions: 0.65" W x 7" H x .65" D



Product No. SNE00031

ANT-2

3-foot Mid-range Antenna

- Antenna for Linear's mid-range transmitters and receivers
- Three-foot whip style
- 18 feet of coax cable included
- "U" bolt included for post mounting
- Dimensions: 2.25" W x 39" H x 2" D



Product No. SNE00002

CON-90A

Right Angle Antenna Connector

- Connector for Linear's mid-range transmitter and receiver ANT-1A antenna
- Right angle female-to-male type BNC connector
- Dimensions: 0.57" W x 0.93" H x 1.14" D



Product No. SNE00030

T-124.8DC

Power Supply 12 VDC @ 400 mA

- Used with Models XR-1, XR-4, and XR-16
- Input: 120 VAC, 60 Hz
- Output: unregulated 12 VDC @ 400 mA
- UL Listed
- Class 2
- Plug-in style
- Tinned wires on output cable



Product No. AAE00382

T-1224DC

Power Supply 12 VDC @ 2 Amps

- Used with Models XT-1 and XT-4
- Input: 120 VAC, 60 Hz
- Output: regulated 12 VDC @ 2 Amps
- UL Listed
- Class 2
- Plug-in style
- Tinned wires on output cable



Product No. AAE00381

Radio Control Accessories

Wiring Harness', Transformers, & Antennas

109201

Wiring Harness

- Connects 3-terminal receiver to 2-terminal operator
- 24 VAC @ 75 mA transformer included
- 25 feet of transformer wire
- Terminal block for mounting receiver
- 2-conductor with spade lugs for operator pushbutton terminal connection



Product No. MCS109201

109207

Wiring Harness

- Connects 3-terminal receiver to 2-terminal operator
- 24 VAC @ 75 mA transformer included
- 25 feet of transformer wire
- Push-on lugs for 109020 and 309013 receivers
- 2-conductor with spade lugs for operator pushbutton terminal connection



Product No. MCS109207

109206

3-Wire Adapter

- Connects 3-terminal receiver to 3-terminal operator
- Push-on lugs for Multi-Code 109020 and 309013 receivers
- Spade lugs for operator terminals
- 3 foot cable



Product No. MCS109206

TF524

24-Volt Transformer

- Powers 3-terminal receiver when used with 2-terminal operator
- 120 VAC to 24 VAC
- 50mA maximum current
- UL Listed
- 3 foot cable



Product No. AAE00010

106603

Remote Whip Antenna

- Omni-directional remote whip antenna
- Includes 15 feet of coax
- Bracket for mounting



Product No. MCS106603

106604

Local Antenna

- Omni-directional local whip antenna
- Rigid design
- Connects to receiver's antenna Type-F connector
- Plastic boot covers connector



Product No. MCS106604

WHIP

Rigid Local Antenna

- Compatible with all Linear receivers with Type F antenna connector
- 8-inch solid wire antenna
- Whip end has loop for safety
- Plastic connector boot
- Type "F" male connector



Product No. 109186-01

EXA-1000

Omni-directional Remote Antenna

- Compatible with all Linear receivers with Type F antenna connector
- Receives signals in 288 to 320 MHz range
- Omni-directional remote antenna
- Includes 5 feet of coax
- U-bolt for post mounting
- Dimensions: 3" W x 19.5" H x 6" D



Product No. AAE00198

EXA-2000

Directional Remote Antenna

- Compatible with all Linear receivers with Type F antenna connector
- Receives signals in 288 to 320 MHz range
- Directional remote antenna
- Includes 10 feet of coax
- Clamp for mounting
- Dimensions: 21" W x 5" H x 1.5" D



Product No. AAE00331

190-109542

1' Coax Cable Extender

190-106343

10' Coax Cable Extender

190-106345

20' Coax Cable Extender

Radio Control Accessories

Batteries, Visor Clips, & Field Tester

9VCZB

9-volt Carbon-zinc Battery

- 9-volts
- Carbon-zinc battery



Product No. 100110

9VAB

9-Volt Alkaline Battery

- 9-volts
- Alkaline battery



Product No. 205082

12VAB

12-Volt Miniature Alkaline Battery

- 12-volts
- Alkaline battery



Product No. 203814

2032

3-Volt Lithium Battery

- 3-volts
- Lithium battery



Product No. 203583

1616

3-Volt Lithium Battery

- 3-volts
- Lithium battery



Product No. 208923

2450

3-Volt Lithium Battery

- 3-volts
- Lithium battery



Product No. 208882

FT-1

Radio Interference Field Tester

- Tests for RF interference on MegaCode and AllStar based access control panels, receivers, and garage door operators
- Compact and lightweight with battery save feature
- Built-in speaker lets you hear what the receiver hears
- Special tone simplifies transmitter testing
- Visual LED indication to confirm interference
- Frequency: Wide band, 318 MHz center frequency
- Power: 9-volt battery
- Dimensions: 2.5" x 5.75" x 1.25"



Product No. LDR00001

DVC

Delta-3 Visor Clip

- Replacement spring steel visor/belt clip
- Fits Delta-3 DT style transmitters



Product No. 210261

MVC

Multi-Code Visor Clip

- Replacement spring steel visor/belt clip
- Fits Multi-Code style transmitters and MCT-3 and MCT-11



Product No. 214829

SVC

Stanley Visor Clip

- Replacement spring steel visor/belt clip
- Fits Stanley 105015 style transmitters



Product No. 216849

190-104255

Traditional AllStar Clip (Black)



Product No. 190-104255 (Black)
190-107667 (Cho)
190-107662 (Dk Gry)
190-107663 (Taupe)
190-107287 (Lt Gry)

190-111532

MVP Clip



Product No. 190-111532

Linear Training



Linear University Training
Carlsbad, California



Technical Services is the group within Linear LLC that administers Continuing Education Unit (CEU) activities, courses, and programs. Technical training ensures the education and meets the goals of the dealers, distributors, and others who sell the Linear LLC branded products.

The technical training manager reviews the policies and procedures and ensures they meet accreditation requirements for CEUs. Linear LLC accredits their training through the National Burglar & Fire Alarm Association (NBFAA) service of the National Training School. The review process for every program occurs every two years at a minimum.

Linear will ensure the training provides adequate resources to support a positive learning environment. Instructors will be available to provide assistance and support to students.

When students meet the requirements for satisfactory completion of the training program, they are issued a certificate that indicates the title of the program, the name of the instructor, and the number of CEUs for the program.

Linear training is provided by qualified personnel with many years of experience in the field and competence in their topic of instruction. They also have knowledge and skill in instructional methods and learning processes. Feedback is encouraged and collected.

Linear offers three types of training through learnlinear.com

Type 1: Instructor Lead Training—On-Site Training

We have product trainers and a sales management team who travel the U.S. to provide training at your facility or at a local distributor. This is a more traditional, classroom-style training option.

Type 2: Instructor Lead /Computer-Based Training

A product trainer remotely teaches a course using teleconferences and computer software to present the material. Since a live instructor is leading the training, these classes are scheduled.

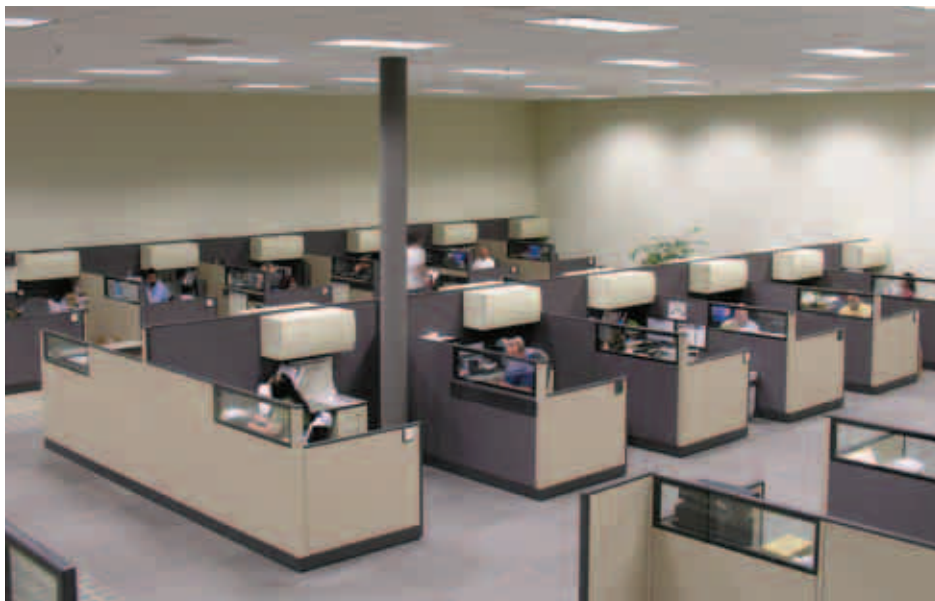
Type 3: Self-Paced Training—Computer-Based

This is similar to taking online college classes. From the convenience of either home or office, you can take classes at your own pace and return to previous sessions should you need to stop mid-class.

If you have any questions, feel free to e-mail at:

techsupport@linearcorp.com or call **1-800-421-1587** and ask for our training manager.

Technical Support



Linear's Technical Services Department provides telephone support for our expanding product line. The group supports nearly 2,000 products in various types of installations and applications. Application engineers can assist dealers and installers with their technical questions regarding every Linear product.

The application engineers answer questions regarding equipment installation, programming, system design, troubleshooting, and inter-system compatibility. Questions could be about radio controls, security systems, access controls, door operators, gate operators, audio or video equipment, and accessories. Often, installers simply need fast help with their installation issues so they can complete the job and continue on to the next installation. Linear's quality and professional technical support staff provides that service.

The new extended Technical Services Department telephone service hours (5:00 a.m. to 4:30 p.m. Pacific Time) will be of value to nationwide installers and company representatives alike. West Coast callers will be able to call as early as 5:00 am local time, and East Coast callers will be able to call as late as 7:30 p.m. local time.

Linear Technical Services provides direct access to the people who know Linear products best. To speak with a Linear expert, call **1-800-421-1587** and press 3.

Manufacturing Facilities

*Linear Manufactory
Guang Dong, China*



Sound plans implemented with quality products and solutions to support them are critical to success in today's competitive global business environment. With a state-of-the-art manufacturing facility in China, Linear uses industry-leading manufacturing technologies that enable production of quality products that consistently raise the standard in home technology and provide a value you can depend on in today's competitive marketplace.

High-performance production tools, advanced technologies and techniques in design and testing, integrated circuitry, microchip, and surface mount technology, as well as the latest electronic component assembly and quality assurance techniques are features you can depend on from Linear manufacturing.

Linear's overseas manufacturing operation boasts a staff of more than 1,300 and is ISO 9001:2000 quality system certified.

Several products in this catalog are assembled in the U.S.A. using domestic and overseas manufactured sub-components. Linear's Michigan facility supports production and service of slide, swing, and barrier Gate Operators together with drawbar and jackshaft Commercial Door Operators.

East & West Coast Distribution Centers

*West Coast
Distribution Center*



To streamline order fulfillment and shorten delivery time for Linear distributors and dealers, Linear LLC maintains two fully stocked regional distribution facilities in Vista, California, and Summerville, South Carolina.

Linear’s Western Distribution Center has 90,000 square feet with 19 shipping docks. Linear’s Eastern Distribution Center boasts 175,000 square feet with 25 shipping docks and is the third largest UPS shipper in the Charleston, South Carolina, area.

Both warehouse locations are completely equipped with shipping, receiving, and quality control facilities, and they each stock tens of thousands of Linear products for security, entry systems, communications, audio/video/data, central vacuum systems, and personal emergency response. Each warehouse team receives dozens of cargo containers each month, processes hundreds of orders daily, and ships thousands of packages with Linear goods to worldwide destinations each day.



*East Coast
Distribution Center*

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