

# Linear | Gate Operator Products



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## Order Information

### Sales Department

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

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

**Phone** 1.800.421.1587

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### Technical Support for Dealers & Installers

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

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

**Phone** 1.800.421.1587

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**E-mail** [techsupport@linearcorp.com](mailto:techsupport@linearcorp.com)

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.



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## Gate Operator Products

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## 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.**

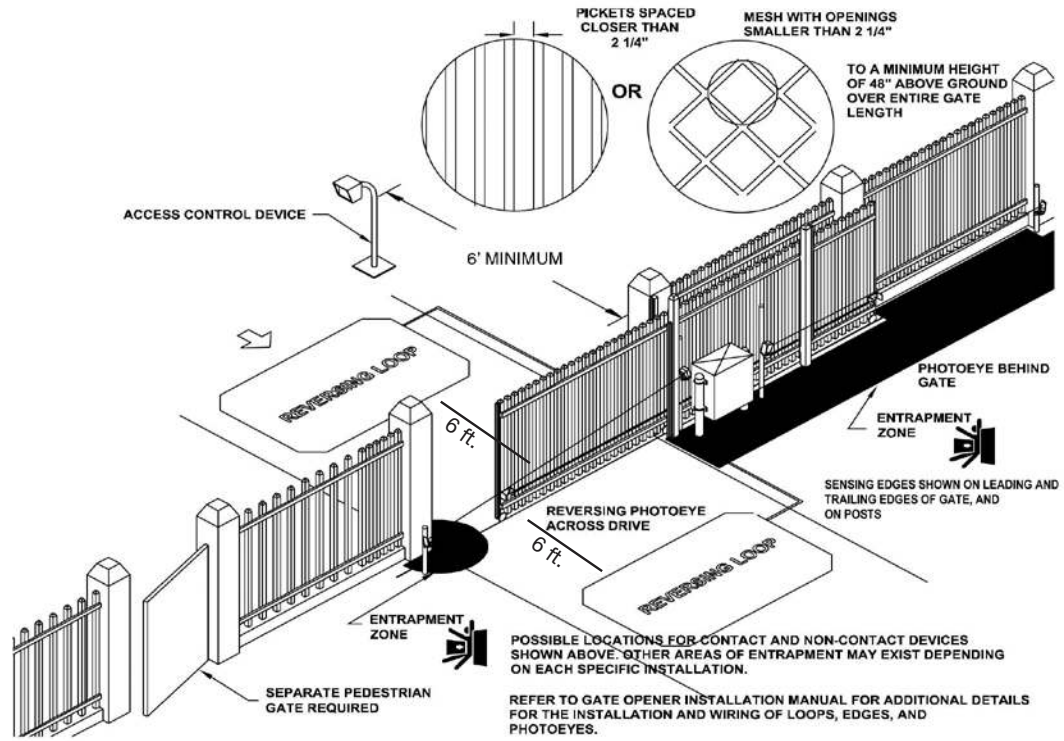
### FACTORY BACKED

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

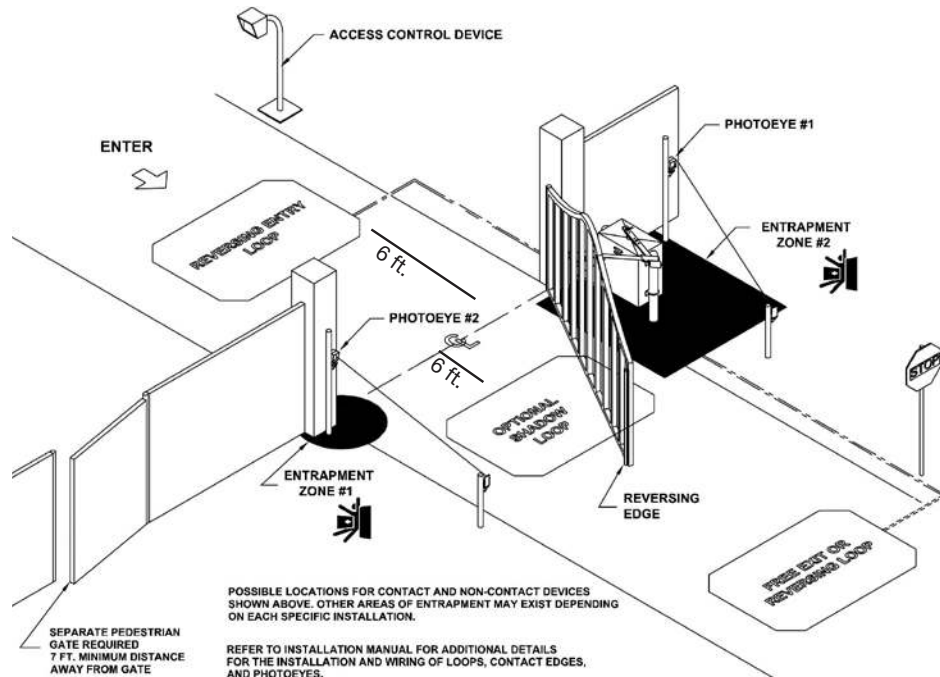
- Five year warranty most models
- Two year warranty on LRA, Tower Plus, and Twist'R models
- East and West Coast distribution centers
- National field sales and support network



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		



**This family of products is now built with the APeX™ Controller**

**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		



**This family of products is now built with the APeX™ Controller**



## 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		



**This family of products is now built with the APeX™ Controller**

## 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		

## SLD

Commercial / Residential Duty Slide Gate Operator with Battery Backup



Product No. SLD-211



**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




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

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#### 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




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

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### 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

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.

### 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



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		



This family of products is now built with the APeX™ Controller

**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

### 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



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		



This family of products is now built with the APeX™ Controller

**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

## 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



**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

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

## 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		

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

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#### 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		

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

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### 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.	



This family of products is now built with the APeX™ Controller

**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.



This family of products is now built with the APeX™ Controller

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



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.



This family of products is now built with the APeX™ Controller

## BGUS & BGUS-D

Parking and Vehicle Control Barrier Gate Operators

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



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.



This family of products is now built with the APeX™ Controller

## SG & SG-D

Parking and Vehicle Control Barrier Gate Operators

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



### 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

*\*Includes 2510-009 coax kit*

### 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

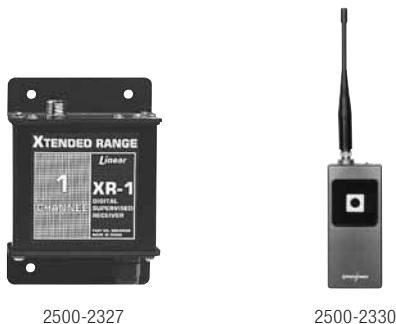
### XTended Range Radios (27 MHz)

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)

**XTended Range**





## 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



2500-2508

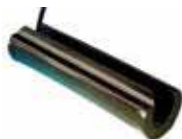


2520-441



2120-478-YS

2500-150



2500-2112



2500-2010

### 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"

### 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

### 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)

### 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

### 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



