

GTO[®] / ACCESS SYSTEMS

PROFESSIONAL RESIDENTIAL



Technology • Innovation • Quality
Since 1987

GATE OPERATORS & ACCESSORIES

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GTO®/ACCESS SYSTEMS

RESIDENTIAL SERIES

PRO-SW2000XL SWING GATE OPERATOR

Post mount linear actuator for swing gates up to 16 ft. (4.9 m) long OR 500 lbs. (226.8 kg) per leaf. Dual gate applications require the PRO-SW2002XL kit.



PRO-SW2000XL Gate Capacity Chart


Estimated number of daily cycles, based on use with a transformer and one(1) 12 Volt battery.

Gate Length	16 ft.	135	120	105	N/R	N/R	N/R	N/R
	14 ft.	145	130	115	100	80	N/R	N/R
12 ft.	155	140	125	110	90	70	N/R	
up to 10 ft.	165	150	135	120	100	80	60	
	50 lb.	100 lb.	150 lb.	200 lb.	300 lb.	400 lb.	500 lb.	
	Gate Weight				N/R - Not Recommended			

WARRANTY:

2 Year (Single-Family Residential Application Only)

OPTIONS:

 **Solar Power:** See page 10 for recommended number of solar panels. For dual gates, we recommend a minimum of 10 watts.

Dual Gates: The PRO-SW2002XL kit contains both the master arm and second operator arm with a 32 ft. (9.8m) power cable for a dual gate application.

Push to Open applications: require one Push-to-Open bracket per operator (p.11).

Secondary Entrapment Protection: Photo Beams (p. 11).

Convenience Accessories: Entry Transmitters (p. 5); Universal Receiver (p. 5); Digital Keypad (p. 5); Wireless Intercom/Keypad (p. 6); Wireless and Wired Vehicle Sensors (p. 7).

Locking/Security: Automatic Gate Lock (p. 8); Wireless Driveway Alarm (p. 9).

FEATURES:

- ▶ Full systems capable “add on ready” heavy-duty control board includes adjustable obstruction sensing, gate sequencing and auto close settings (0–120 seconds).
- ▶ Easy transmitter programming with the touch of a button.
- ▶ Includes battery backup, 318 MHz RF radio receiver, entry transmitter, AC transformer and all necessary mounting hardware for a post mounted installation, 8” (20.3 cm) total offset.

MECHANICAL:

- The GTO control board can be programmed for pull-to-open or push-to-open.
- Operating temp -5 F (-21C) to +160 F (71 C).
- Opening time: From 18 to 20 seconds.
- Range of arm stroke: up to 15” (38 cm).
- Operator length: with arm fully retracted is 33.75” (85.2 cm), mounting point to mounting point.
- Shipping Weights:
2000XL Kit 31 lbs. (14 kg);
2002XL Kit 52 lbs. (24 kg);
Meets UPS shipping standards.

ELECTRICAL/POWER:

- 12 Volt DC / 7.0 amp hour, sealed, rechargeable battery (included). Battery charge is maintained by a 120V AC/60 Hz input and 18V AC at 40 VA. output, transformer.
- Powered by a reliable 12 Volt DC motor.
- Charging regulator circuit on control board. “Sleep draw” is 15 mA; “active draw” is 2 to 5 amps.



GTO®/ACCESS SYSTEMS

RESIDENTIAL SERIES

PRO-SW4000XL SWING GATE OPERATOR

Post mount linear actuator for swing gates up to 16 ft. (4.9 m) long & 650 lbs. (295 kg) per leaf. Dual gate applications require the addition of the PRO-SW4200XL.

Customize for longer heavier gates (20 ft. & 1000 lbs.) with the HBP4XL Bracket Set*



FEATURES:

- ▶ Full systems capable “add on ready” heavy-duty control board includes adjustable obstruction sensing, gate sequencing and auto close settings (0–120 seconds).
- ▶ Easy transmitter programming with the touch of a button.
- ▶ Includes battery backup, 318 MHz RF radio receiver, entry transmitter, AC transformer and all necessary mounting hardware for a post mounted installation, 17” (43 cm) total offset.

MECHANICAL:

- The GTO control board can be programmed for pull-to-open or push-to-open.
- Operating temp -5 F (-21C) to +160 F (71 C).
- Opening time: from 15 to 18 seconds.
- Range of arm stroke: up to 22” (56 cm).
- Operator length: with arm fully retracted is 46.25” (118 cm), mounting point to mounting point.
- Shipping Weights:
4000XL Kit 38 lbs. (24 kg);
4200XL 31 lbs. (16 kg);
Meets UPS shipping standards.

ELECTRICAL/POWER:

- 12 Volt DC / 7.0 amp hour, sealed, rechargeable battery (included). Battery charge is maintained by a 120V AC/60 Hz input and 18V AC at 40 VA. output, transformer.
- Powered by a reliable 12 Volt (120 Watt) DC motor, 16:1 planetary gear drive system.
- Charging regulator circuit on control board. “Sleep draw” is 15 mA; “active draw” is 5 to 9 amps.

WARRANTY:

2 Year (Single-Family Residential Application Only)

OPTIONS:

***Larger/Longer Gates (up to 20 ft. and 1000 lbs.):**
Use HBP4XL Bracket Set (p. 11).



Solar Power: See page 10 for recommended number of solar panels. For dual gates, we recommend a minimum of 10 watts.

Dual Gates: The PRO-SW4200XL works as a second gate operator when combined with a PRO-SW4000XL. Includes 50 ft. (15.2m) power cable.

Push to Open applications: require one Push-to-Open bracket per operator (p.11).

Secondary Entrapment Protection: Photo Beams (p. 11).

Convenience Accessories: Transmitters (p. 5); Universal Receiver (p. 5); Digital Keypad (p. 5); Wireless Intercom/Keypad (p. 6); Wireless and Wired Vehicle Sensors (p. 7).

Locking/Security: Automatic Gate Lock (p. 8); Wireless Driveway Alarm (p. 9).



GTO®/ACCESS SYSTEMS

RESIDENTIAL SERIES

PRO-SL2000B SLIDE GATE OPERATOR

Post or pad mount chain drive operator for slide gates up to 30 ft. (9.1 m) long & 1000 lbs. (453.6 kg) with a 20 ft. (6.1 m) opening. Dual gate applications require the addition of PRO-SL2200B.



PRO-SL2000B shown with optional pad mounting plate (SGMP).



FEATURES:

- ▶ Full systems capable “add on ready” heavy-duty control board includes adjustable obstruction sensing, gate sequencing and auto close settings (0–120 seconds).
- ▶ Includes a built-in internal friction disc brake/lock.
- ▶ Easy to install 4 ft. (1.2 m) post mounts (2) provided.
- ▶ Chain disconnect for manual gate operation.
- ▶ Light professional residential cycle rated to 100 cycles daily.

MECHANICAL:

- Operating temp -5 F (-21C) to +160 F (71 C).
- Opening time: 1 ft. (.31 m) per second.
- #41 Chain, 32 ft. with master link.
- Fully compatible accessory terminal block provides connections for safety loops, wands, intercoms, card readers, phone systems.
- Dimensions: 18”h. x 11”d. x 21.5”w.
- Shipping Weight 70 lbs. (32 kg) Meets UPS shipping standards.

ELECTRICAL/POWER:

- 12 Volt DC / 7.0 amp hour, sealed, rechargeable battery (included). Battery charge is maintained by a 120V AC/60 Hz input and 18V AC at 40 VA. output, transformer.
- Powered by a reliable 12 Volt 1/4 HP equivalent DC motor, case hardened steel gear reducer.
- Charging regulator circuit on control board. “Sleep draw” is 40 mA; “active draw” is 2 to 9 amps.

WARRANTY:

2 year (Single-Family Residential Application Only)

OPTIONS:



Solar Power: Requires a 24 amp hour battery (not included) and a minimum of 10 watts. See page 10 for recommended number of solar panels.

Pad Mount: requires the Pad Mounting Plate (SGMP).

Dual Gates: For dual gate applications, add model PRO-SL2200B.

Secondary Entrapment Protection: Photo Beams (p. 11).

Convenience Accessories: Entry Transmitters (p. 5); Universal Receiver (p. 9); Digital Keypad (p. 5); Wireless Intercom/Keypad (p. 6); Wireless and Wired Vehicle Sensors (p. 7).

Security: Wireless Driveway Alarm (p. 9).



ENTRY & EXIT ACCESSORIES

ENTRY TRANSMITTERS (RB741/RB742/RB743)

Purchase an additional entry transmitter for each vehicle in your family. The Two Button Entry Transmitter can be programmed to operate both your gate operator and a garage door opener (or second gate operator).



Standard Features

- **RB741:** Single Button Entry Transmitter
- **RB742:** Two Button Entry Transmitter
- **RB743:** Three Button Entry Transmitter (not shown)
- Adjustable code settings.
- Visor Clip.
- Two-Button and Three-Button Entry Transmitters require the addition of the Universal Receiver to operate garage door openers.

Compatible Accessories

- Universal Receiver (RB709U-NB)

UNIVERSAL RECEIVER (RB709U-NB)

The Universal Antenna Receiver gives you the ability to use one (Two- or Three-Button) Entry Transmitter to activate your gate operator and your garage door opener.



Standard Features

- Converts garage door openers to work with GTO/ACCESS Entry Transmitters.
- Connects easily to any brand of gate operator or garage door opener.
- RF frequency 318 MHz.
- Up to 100 ft. (30 m) range.
- Power supplied by access controller or optional transformer (RB570).
- Weather-resistant housing.

Compatible Accessories

- Two-Button Entry Transmitter (RB742)
- Three-Button Entry Transmitter (RB743)

25-CODE DIGITAL KEYPAD (F310)



Allow guests to activate your gate operator using an entry code that you provide.



Standard Features

- Powered by three “AA” batteries (not included).
- Program up to twenty-five (25) entry codes for added security.
- Temporary codes can be programmed to expire within 1-7 days.

Compatible Accessories

- Gooseneck Pedestal (F100/F110)

RESIDENTIAL WIRELESS ENTRY INTERCOM (F3100MBC)



Designed for added security to your automated gate with the ability to “speak to” and “screen” visitors safely from inside your home. Ideal for securing gate entrances while providing controlled access.



Standard Features

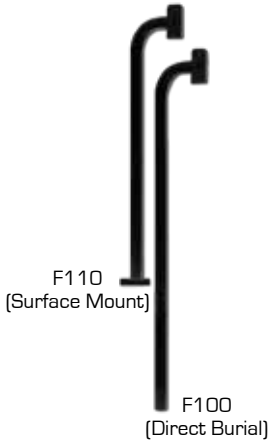
- Crystal clear two-way wireless communication up to 500 ft. (152.4 m).
- Kit includes one base station with rechargeable battery (battery and charger included). Accepts up to 4 base stations.
- Exterior Intercom/Keypad can be powered with four “C” batteries (not included).
- Program up to 100 entry codes for added security.
- Proximity detection backlit keypad has stainless steel faceplate and locked housing.
- Interior intercom is mobile and can be used anywhere in your home.

Compatible Accessories

- Gooseneck Pedestal (F110/F100)
- Additional Indoor Base Stations (F3101MBC)

GOOSENECK PEDESTAL (F100/F110)

Designed to mount digital keypads, wireless intercom systems, and other access control devices for your gate automation system.



Standard Features

- **F100:** Direct Burial configuration 65.4" (1.7 m)
F110: Surface Mount configuration 45.7" (1.2 m)
- Rust proof extruded aluminum construction with black anodized finish.
- Modular design for easy installation and ideal for small package shipping.
- Extension sections available to increase height.

Compatible Accessories

- 22" (.6 m) Pedestal extensions: (F103) to increase height for larger vehicles such as trucks, SUVs, etc.

DRIVEWAY VEHICLE SENSOR (FM139)

Automatically activates gate operator “hands-free” when a vehicle exits the property.
Easy to install.



Standard Features

- Electromagnetic sensor detects vehicles-in-motion. Similar in operation to a loop system without the need to cut the driveway or asphalt.
- Compatible with all automatic gate operators or other systems requiring a dry contact input device.
- Wide input voltage range (8-32 V AC or 8-26 V DC).
- Ideal for solar application, 1.5 mA current consumption.
- Relay hold time of 2 seconds. May not be used as a safety device.
- Adjustable sensitivity from 3 to 12 ft. radius (.9m –3.7 m).
- Designed to reject line noise at 50Hz and 60Hz; improves detection capability near power lines.
- Dimensions: 1.75" (4.5 cm) diameter x 16.75" (42.5 cm) long.

Lengths Available

- **FM139** 50 ft. (15 m)
- **FM140** 100 ft. (31 m)
- **FM141** 150 ft. (46 m)

WIRELESS VEHICLE SENSOR (R4500)



Automatically activates gate operator “hands-free” when a vehicle exits the property.
Easy installation with minimal trenching [sensor does not need to be wired to control board].

Standard Features

- Electromagnetic sensor detects vehicles in motion.
- Compatible with all automatic gate operators or other systems requiring a dry contact input device.
- Relay hold time of 2 seconds. May not be used as a safety device.
- 100 ft. range between transmitter and receiver.
- Internal potentiometer adjusts sensitivity from 3 to 12 ft. radius to accommodate many applications and situations.
- Easy installation.
- Long battery life (1–3 years) due to low power consumption.
- Easy activation for GTO-Gen3 Control Boards.
- Requires two “AA” Batteries (included).
- Designed to reject line noise at 50Hz and 60Hz; improves detection capability near power lines and avoids crosstalk frequency issues.
- Dimensions: 1.75" (4.5 cm) diameter x 16.75" (42.5 cm) long.



LOCKING & SECURITY ACCESSORIES

AUTOMATIC GATE LOCK (FM144/FM142)

The #1 accessory for swing gate operators! Designed for added security in conjunction with GTO Automatic Gate Operators. The gate lock unlocks and locks automatically when the gate opens and closes. The perfect solution for high wind conditions.



Standard Features

- **FM144:** Secures gates in the closed position.
- **FM142:** Secures gates in the open position.
- Black powder coated steel housing proven to withstand up to 3500 lbs. (1587.6 kg) of force.
- Recommended for gates over 8 ft. (2.5 m) long and for installations where high winds are common.
- Stabilizes and secures the leading edge of gate leaf in the closed or open position.
- Simple installation — wires directly to all GTO swing gate operators.
- Battery back-up provided by existing GTO gate operator batteries.
- Fail secure system with keyed manual override release.

NOTE: If used on other gate operator brands, lock requires 12 V DC power source and a 12 V DC powered relay. Draws 4 Amps when activated.

Compatible Accessories

- Column Mount Lock Receiver (433IH)

MAGNETIC GATE LOCK (R1200)

The R1200 is a heavy duty magnetic lock system for vehicular swing gates.



Standard Features

- 1200 lbs. (590 kg) of holding force.
- Accepts 12V DC or 24V DC voltage input.
- Heavy duty stainless steel construction.
- Designed to mount vertical or horizontal.
- Pivoting steel armature for simple alignment.
- Z-bracket for mounting included.
- Shipping weight 16 lbs. (7.25 kg).
- Requires Radio Shack® relay #275-206.

BULLDOG PEDESTRIAN GATE LOCK (FM145)

Allow guests access through your pedestrian gate using an entry code that you provide. Designed to mount on horizontal swing “walk through” pedestrian gates. Ideal for securing pools, tennis courts, boat docks, etc.



Standard Features

- Integrates into existing security and access control systems; card readers, keypads, telephone entry system, etc.
- Runs on 4 “AA” batteries (included).
- Program up to twenty-five (25) entry codes for added security.
- Fail secure system with keyed manual override release.
- Powder coated steel housing proven to withstand up to 3500 lbs. (1587.6 kg) of force.
- Basic mounting hardware, digital keypad, and push button remote mounted control is included in kit.
- Built-in charger circuit for rechargeable batteries (not included)—must use with optional 1 watt 9 volt solar panel or optional plug-in transformer.
- For added security, use an additional digital keypad (not included) in place of push button to control access on both sides of the gate.

Compatible Accessories

- Gooseneck Pedestal (F100/F110)
- Column Mount Lock Receiver (433IH)
- Additional Keypad (F310)
- Replacement Master Keypad (R4604)
- Bulldog Solar Panel (R4699)
- Bulldog Plug-in Transformer (R4686)



WIRELESS DRIVEWAY ALARM (R4450)



This device alerts you of vehicles entering or exiting your driveway. The indoor base station signals you with a chime when a vehicle passes the driveway alarm.

Works with
or without an
automated
gate!



Standard Features

- Electromagnetic technology detects vehicles entering and exiting driveway.
- Functional range of up to 400 ft. (122 m).
- Does not detect people, animals, or wind.
- Sensitivity Adjustment (3 ft.– 12 ft. radius) reduces false signals caused by neighboring traffic.
- DIP switches allow for “personalized” transmission codes—eliminating “cross talk” from other units.
- Indoor receiver can be mounted on a table or wall.
- Transmitter requires 2 “AA” batteries (not included).
- Low battery indicator on both the indoor receiver and transmitter.

ADDITIONAL ACCESSORIES

LOW VOLTAGE WIRE [RB509]

The 16 gauge, multi-stranded, dual conductor Low Voltage Wire is for connecting the AC powered transformer, solar panel or wired accessories to the system's control board. This specially designed wire is UV treated, PVC coated and ready for direct burial.

Available Lengths:

- **RB509:** 1000 ft. (304.8 m) Roll
- **RB509-500:** 500 ft. (152.4 m) Roll
- **RB509-250:** 250 ft. (76.2 m) Roll
- **RB509-100:** 100 ft. (30.5 m) Roll

10 WATT SOLAR PANEL CHARGING KIT [FM123]

The Solar Panel charges the gate operator battery in remote applications (1000 ft. away from an AC power outlet) or where solar power is preferred.



- **FM123:** 10 Watt Kit (14" (36 cm) x 12" (31 cm) silicon alloy panel. Generates minimum of 10 watts at 600 mA.
- A gated diode on the control board prevents battery discharge.
- Solar Power has some limits as to the maximum number of gate cycles to expect per day given the zone in which you live. See the Cycles Per Day chart below to determine the appropriate amount of solar panel kits needed.



Solar Panel Application Charts
Estimated Number of Cycles Per Day

Model #	Watts	Zone 1	Zone 2	Zone 3
SINGLE Swing Operators	10	8	16	26
	15	11	20	30
	20	14	28	38
	25	17	36	46
	30	20	44	54
DUAL Swing Operators	10	4	8	13
	15	7	13	20
	20	10	18	27
	25	13	23	34
	30	16	28	41
SL2000B	10	4	8	13
SL2000B	15	6	12	20
SL2000B/2200B	15	3	6	10

**PRO-SL2000B series requires a 24 Amp hour battery for solar power.*



Learn more at www.gtopro.com/residential-solar-credit.htm.

PHOTO BEAMS [R4222]

Primary non-contact “through beam” photo beam device.



Standard Features

- The GTO Photo Beams are used to provide a “non-contact” means of entrapment protection.
- Range of 30 ft. (9.1 m) between sender and receiver.
- Easy to install and works with any brand of operator.
- More reliable than retro reflective photo beam systems.
- Normally open or normally closed wiring options.
- LEDs for quick alignment and troubleshooting.
- Voltage ranges: 8 to 26 Volts DC or AC. Draws 40 mA.
- Recommend 16 gauge multi-stranded wire (RB509).
- Universal mounting to any solid surface.

HBP4XL Heavy Duty Bracket Set [HBP4XL]

Use with the PRO-SW4000XL for gates longer than 16ft. or heavier than 650 lbs. (up to 20 ft. and 1000 lbs. maximum). Includes mounting hardware. Order two sets for dual gates.



- Requires the R4KPTO bracket (not included) for push-to-open installations.

PUSH TO OPEN BRACKETS [347IH/R4388/R4KPTO]

Required when the GTO Swing Gate Operator(s) must push a gate open, such as away from a sloping driveway or where space prevents gate(s) from opening into the property (pull to open). Order two brackets for a dual swing gate installation.

- **347IH:** for PRO-SW2000XL
- **R4388:** for PRO-SW4000XL
- **R4KPTO:** for PRO-SW4000XL when using HBP4XL bracket set for longer, heavier gates (see page 3).

COLUMN MOUNT LOCK RECEIVER (433IH)



For use with the Automatic Gate Lock or Bulldog Pedestrian Gate Lock when mounting on brick columns or applications with limited space.

PIN LOCK (FM345)



Use as a substitute for the clevis pin at the front mounting point of the PRO-SW4000XL/PRO-SW2000XL Series to prevent theft of the opener. On the PRO-SL2000B Series, use pin lock to secure the quick chain release used for manual operation.

- FM345KA: Pin Lock 10-Pack (10 pin locks keyed alike).

PUSH BUTTON CONTROL (RB101)



Wire this unlit push button directly to your gate operator for simple open/close/stop operation from up to 1000 ft (305 m) away. Use 16 gauge low-voltage wire (RB509).

SOLAR PANEL FOR BULLDOG PEDESTRIAN GATE LOCK (R4699)



This 5.0625" x 3.9375" 1 watt 9 volt solar panel will maintain the Bulldog Gate Lock battery charge when used with NiMH rechargeable batteries (not included).

TRANSFORMER FOR BULLDOG PEDESTRIAN GATE LOCK (R4686)



This 12 volt transformer will maintain the Bulldog Gate Lock battery charge when used with NiMH rechargeable batteries (not included).



Certification and Product Usage

GTO/ACCESS Systems are intended for use with **vehicular swing and slide gates in single-family residential applications**. GTO/ACCESS Systems are certified to be in compliance with UL 325, current edition, as of publication date.



Product tested the the latest UL-325 standard by ETL. Product tested to be in compliance with CAN/CSA-C22.2 No. 247-92.



Product tested to be in compliance with IEC 60335-2-103 and IEC 60335-1:2004, including A1:2004.

We recommend using an independent GTO Certified Professional Technician to install your GTO/ACCESS System. All GTO/ACCESS Systems can be fully customized with a wide range of GTO/ACCESS accessories, such as intercom/keypads, automatic gate locks, driveway alarms, etc.

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