

GTO/PRO[®] 1000

Swing Gate Operator Series



GTO/PRO 1000 opening residential iron gate.

FEATURES

Operates gates up to 16 ft. (4.88 m) long, up to 500 lbs. (226.8 kg) each leaf, for single or dual gates.

Fully systems capable.

Economical gate/post mount.

Low voltage, battery operated.

Solar option available.

Accommodates push or pull to open installations.

All inclusive "kit."

Low Cost.

Backed by a Two Year Warranty and GTO's commitment to manufacturing quality products.

BENEFITS

Will handle most residential and light commercial installations.

"Add-on ready" control board allows more options and reduces installation time and expense.

No pads to pour; quick, easy, year round installation.

Safe, inexpensive to install. Battery provides 20 to 50 cycles of operation in event of a power failure.

No need to run power to gate. Ideal for remote locations or difficult terrains.

Increased number of applications. Allows operator to be installed on inside of gate which enhances safety and decreases liability.

No need to order receivers or special boards since receiver and antenna, transformer, transmitter and the "add on ready," full feature board are included.

Inexpensive option to hard wired AC operators. Affordable.

Excellent technical support available from GTO's Service Department.

Opening Gates Around the World

Made Proudly in the USA

GTO/PRO 1000 Swing Gate Operator Series

"Technical Specs" - GTO/PRO 1000 Swing Gate Operators

DRIVE

- Low friction screw drive (linear actuator) rated for -30° F (-34° C) to +160° F (71° C). Powered by a 12 V / motor with integral, case hardened steel gear reduction to 220 RPM; generates 250 inch pounds torque at 12 V; 325 inch pounds torque at 18 V.
- 90 degree opening time is 15 seconds for **GTO/PRO 1000**; 12 seconds for **GTO/PRO 1800**.
- Range of arm stroke is 7-1/2" (19.05 cm) min. to 11-1/2" (29.21 cm) max. Operator length with arm fully retracted is 33-3/4" (88.73 cm), mounting point to mounting point.

POWER

- System is powered by a 12 V DC / 7.0 amp hour, sealed, rechargeable gel cell battery (12 V DC + 6 V DC / 7.0 amp hour for **GTO/PRO 1800**).
- Battery charge maintained by 120 V AC / 14 V AC transformer rectified to 14 V DC through the **GTO Control Board**.
**** NOTE: Transformer should not be connected directly to any battery.**
- Battery charge maintained by **GTO Solar Panel Charger**: float voltage 14.5 V DC output from a 19-5/8" (49.85 cm) x 8-1/2" (21.59 cm) silicon alloy panel; generates minimum of 5 watts at 300 mA. Gated diode on the control board prevents battery discharge.

CONTROL

- **GTO** microprocessor-based **SMART** control board can be programmed for pull-to-open or push-to-open, single gate or dual gate installations, as well as adjustable auto close, obstruction sensitivity and dual gate sequencing. Temperature compensated circuits. Auto-memorization of digital transmitter code. Charging regulated circuit on control board. "Sleep draw" is 10 m amp; "active draw" is 2 to 5 amps.
- **GTO** remote-mounted RF receiver tuned at 318 MHz.

OPERATIONAL CAPACITY

- The **GTO/PRO 1000** will handle gates weighing up to 500 lbs. (226.8 kg) and up to 16 ft. (4.88 m) in length **if all proper installation procedures have been followed**. Note that ball bearing hinges should be used on all gates weighing over 250 lbs. (113.5 kg). The shorter the gate and the fewer cycles per day, the heavier the maximum recommended gate weight.
For example: 500 lbs. (226.8 kg) is the maximum recommended weight for a 10 ft. (3.05 m) gate with 10 cycles per day;
400 lbs. (181.44 kg) is the maximum recommended weight for a 12 ft. (3.66 m) gate with 75 cycles per day;
300 lbs. (136.08 kg) is the maximum recommended weight for a 12 ft. (3.66 m) gate with 150 cycles per day;
100 lbs. (45.36 kg) is the maximum recommended weight for a 16 ft. (4.88 m) gate with 300 cycles per day.
For questions relating to specific applications and for information regarding cycling duty when charged by solar panels, call the GTO service department at 1-800-543-GATE (4283).

Limited Two Year Warranty



GTO/PRO 1000 (FM600)

12 volt single gate operator of first operator for dual gates.

GTO/PRO 1000 Standard Components:

- Operator for Single Gate • Control Box w/ Control Board
- Closed Position Stop Plate • Receiver/Antenna
- A.C. Transformer • Installation Hardware
- 4.5 ft. (1.37 m) Quick-Connect Cable • Receiver Cable
- Installation Manual • Remote Transmitter • 12 volt Battery

The **GTO/PRO 1000** is designed for home and ranch use on single gates 3.5 ft. (1.07 m) to 16 ft. (4.88 m) in length and up to 500 lbs. (226.8 kg). Like all **GTO/PRO** gate openers, the **GTO/PRO 1000** can be installed on gates that open in (pull-to-open), or that open out (push-to-open). Push-to-open installations require additional hardware (see Accessory Catalog).

GTO/PRO 1800 (FM618) 18 volt single gate operator or first operator for dual gates.

For Single Gate Installations (Same standard components as **GTO/PRO 1000** with 18 volt control board, battery package and charging system.)

The **GTO/PRO 1800** is a faster version of the **GTO/PRO 1000**, and identical in appearance and operation (pull-to-open or push-to-open). It is designed for installation on gates where high winds are a common problem, and is appropriate for light commercial applications.

GTO/PRO 1200 (FM602)

Second operator for 12 and 18 volt systems.

(in combination with the **GTO/PRO 1000** or **1800**)

GTO/PRO 1200 Standard Components:

- Operator for Second (Double Leaf) Gate
- 25 ft. (7.62 m) Power Cord
- Second Operator Harness
- Installation Hardware
- Installation Manual

The **GTO/PRO 1200** is a "slave" opener, installed with either a **GTO/PRO 1000** or **GTO/PRO 1800** in dual gate applications. The microprocessor control board can be reprogrammed in seconds for dual gate operation (pull-to-open or push-to-open), and can be programmed for sequencing the opening and closing of the two gates.

Available through: