

Troubleshooting Guide

If your gate operator does not function properly after it is installed, use this guide before calling the GTO Service Department.

Generation 3 Audible Feedback

SYMPTOM	DIAGNOSIS	CHECK:
1 short beep upon power up	Circuit Board Powered Up & Ready	<ul style="list-style-type: none"> • Normal Operation
1 short beep upon activation	Blown Fuse Low or Bad Battery Loose Battery Connection	<ul style="list-style-type: none"> • Fuse • Battery Under Load • Battery Harness Connections
Continuous Uninterrupted Alarm	Circuit Board Senses an Obstruction	<ul style="list-style-type: none"> • Path of Gate • Gate for Level and Plumb • Stall Force Adjustment • Disconnect Safety Devices • Rev Counter
1 beep with 10 seconds off	Low Battery Condition	<ul style="list-style-type: none"> • Fuses • Battery Harness Connections • Battery Under Load
1 beep then 2 beeps	Master Motor Terminals Shorted	<ul style="list-style-type: none"> • Connections to Master Inputs • Master Arm Power Cable • Motor • Circuit Board
1 beep with 2 seconds off	Master Arm Limit Switch Error	<ul style="list-style-type: none"> • Connections to Master Inputs • Master Arm Power Cable •
3 beeps with 2 seconds off	Master Arm Rev Counter Error	<ul style="list-style-type: none"> • Connections to Master Inputs • Master Arm Power Cable • Rev Counter

Generation 3 Visual Feedback

SYMPTOM	DIAGNOSIS	CHECK:
Status (clear) 1 blink	Cycle Terminal Shorted	<ul style="list-style-type: none"> • Disconnect the push button, keypad, intercom keypad, or any other accessory wired to this terminal. • Try the remote. If the remote works, then the problem is the accessory.
Status (clear) 2 blinks	Safety Terminal Shorted	<ul style="list-style-type: none"> • Disconnect the loop detector, photo beam, or any other accessory wired to this terminal. • Try the remote. If the remote works, the problem is the accessory.
Status (clear) 3 blinks	Exit Terminal Shorted	<ul style="list-style-type: none"> • Disconnect exit wand, loop detector, photo beam, or any other accessory wired to this terminal. • Try remote. If the remote works, the problem is the accessory.
Status (clear) 4 blinks	Shadow Terminal Shorted	<ul style="list-style-type: none"> • Disconnect the loop detector, photo beam, or any other accessory wired to this terminal. • Try remote. If the remote works, the problem is the accessory.
Status (clear) 5 blinks	Close Edge Terminal Shorted	<ul style="list-style-type: none"> • Disconnect the edge sensor, photo beam, or any other accessory wired to this terminal. • Try the remote. If the remote works, the problem is the accessory.
Status (clear) 6 blinks	Open Edge Terminal Shorted	<ul style="list-style-type: none"> • Disconnect edge sensor, photo beam, or any other accessory wired to this terminal. • Try the remote. If the remote works, the problem is the accessory.
RF (yellow) Flickers	Receiving 318 MHz RF	<ul style="list-style-type: none"> • Normal operation when remote or wireless keypad is used.
RF (yellow) OFF	No 318 MHz RF Received	<ul style="list-style-type: none"> • Battery in Remote • Program Remote • Antenna Receiver Connections • Antenna Receiver
Power (green) ON	AC or Solar Power Present	<ul style="list-style-type: none"> • Normal Operation

VOLTAGE READINGS

18 Vac Transformer	18.0 to 22.0 Vac
10 W Solar panel (single)	18.0 to 22.0 Vdc
<i>In FULL SUN — measure voltage with the Solar Panel Disconnected.</i>	
12 V, 7 amp hour Battery	12.5 to 13.5 Vdc
or Two 12V, 7 amp hour Batteries if using solar power	
<i>Measure voltage at battery terminals with battery disconnected</i>	
Charging circuit	12.0 to 14.8 Vdc
<i>Measure voltage at battery terminals with battery connected</i>	

Repair Service

If your LPA 3000XLS Gate Operator is not operating properly, please follow the steps below:

1. First use the procedures found in the Troubleshooting Guide (see page 25).
2. Use the 24/7 Troubleshooting Wizard at <http://support.gtoinc.com>.
3. If you are unable to solve the problem, call the LPA Service Department at (800) 543-1236. Refer to the serial number (located on the right side of the control box) and date of purchase when calling for assistance.
4. If repair or replacement of your gate operator is necessary, the Service Department will assign a Return Goods Authorization (RGA) number to you.
5. Once you have received your RGA# you are required to send in your original equipment for repair. Please refer to Manufactures' Limited Warranty for complete details. Securely pack the component(s) authorized for return to the factory. Include a copy of your sales receipt for the purchase of the product(s). Write the RGA number issued to you on the outside of the package in **LARGE BOLD PRINT**.

Ship the package(s) freight prepaid to: GTO, 3121 Hartsfield Road, Tallahassee, Florida, USA 32303.

NOTE: Products returned to GTO without a Return Goods Authorization (RGA) number in LARGE BOLD PRINT on the outside of the package WILL NOT be accepted. Also, items returned to GTO freight collect WILL NOT be accepted.

LPA Technical Service

8:00am–7:00pm • Monday–Friday (EST)



ACCESS SYSTEMS, LLC

3121 Hartsfield Road • Tallahassee, Florida, USA 32303

800-543-4283 • Fax (850) 575-8912

Web site www.linearproaccess.com

24/7 Troubleshooting Wizard: <http://support.gtoinc.com>



Accessories for 3000XLS

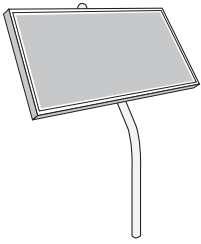
Please visit www.linearproaccess.com for photos and detailed descriptions of LPA Accessories. Or call 1-800-543-4283.

POWERING ACCESSORIES



Low Voltage Wire [RB509]

The 16 gauge, 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.



Solar Panel Kits [FM122/FM123]

If your gate operator is more than 1000 ft. away from an AC power outlet, you can choose to maintain the battery charge with the GTO Solar Panel Kit.

- 10 Watt Solar Panel Charging Kit [FM123]
- 5 Watt Solar Panel Charging Kit [FM122]



Additional/Replacement Battery [RB500]

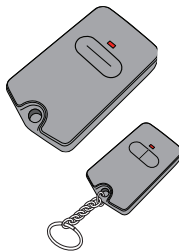
For additional battery power or replacement.

"FROM VEHICLE" ENTRY AND EXIT ACCESSORIES

Transmitters [RB741/RB742/RB743]

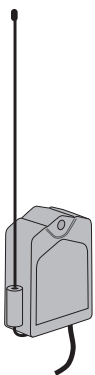
Purchase an additional transmitter for each vehicle in your family. The Two-Button Transmitter can be programmed to operate both your gate operator and a garage door opener using the Universal Receiver. Or it can be programmed to open two gate operator systems.

- Single Button Transmitter [RB741]
- Dual Button Transmitter [RB742]
- Three Button Transmitter [RB743]



Universal Receiver [RB709U-NB]

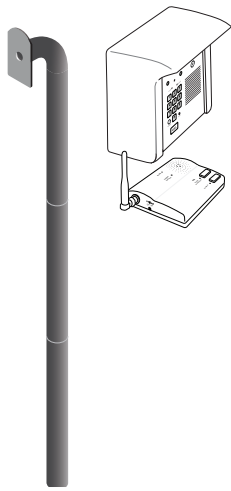
The Universal Antenna Receiver gives you the ability to use one remote to activate your gate operator and your garage door opener. Connects to any brand garage door opener. Up to 100 ft. range.



Digital Keypad [F310]

Allow friends access to your property using an identification code that you provide. Program up to 25 entry codes for added security. Powered by three "AA" batteries (not included).





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.

Goose neck Pedestal [F100/F110]

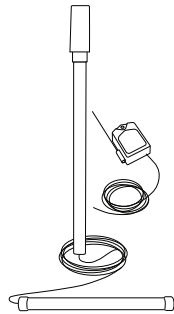
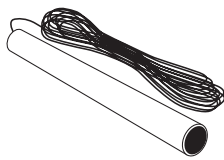
Designed to mount digital keypads, wireless intercom systems, and other access control devices for your gate automation system.

“HANDS FREE” ENTRY & EXIT ACCESSORIES

Driveway Vehicle Sensor [FM139]

Automatically activates gate operator “Hands-Free” when a vehicle exits the property. Electromagnetic sensor detects vehicles in motion.

- 50 ft. [FM139]
- 100 ft. [FM140]
- 150 ft. [FM141]
- 250 ft. [FM141-250]



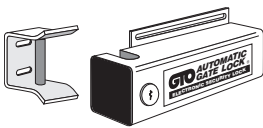
Wireless Vehicle Sensor [R4500]

Automatically activates gate operator “Hands-Free” when a vehicle exits the property. 100 ft. range between transmitter and receiver. Easy installation.

LOCKING & SECURITY ACCESSORIES

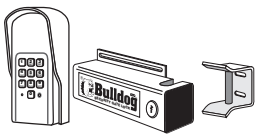
Automatic Gate Lock [FM144/FM142]

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.



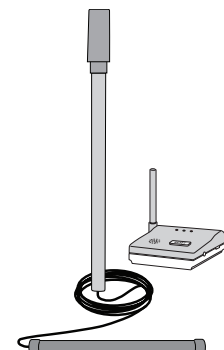
Bulldog Pedestrian Gate Lock [FM145]

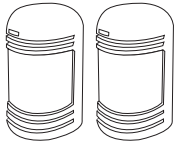
Designed to mount on horizontal swing “walk through” wood, chain link, and metal pedestrian gates opening in or out. Ideal for securing pools, condominiums, schools and any pedestrian gate.



Wireless Driveway Alarm [R4450].

This device alerts you of vehicles entering your driveway (with or without an automated gate). The indoor base station signals you with a door chime when a vehicle passes the driveway sensor.

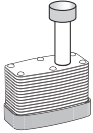




ADDITIONAL ACCESSORIES

Photo Beams [R4222]

Primary “through beam” photo beam device. Provides “non-contact” entrapment protection.



Pin Lock [FM345]

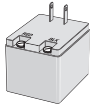
Use as a substitute for the clevis pin at the front mount of the 3000XLS to prevent theft of the operator.

- Pin Lock 10-pack: ten Pin Locks keyed alike [FM345KA].



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. away. Use 16 gauge low-voltage wire.



Replacement Transformer [RB570]

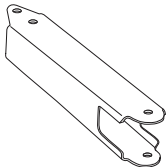
Standard 18 volt, 2200 mA AC transformer included with the 3000XLS to maintain battery charge.



Gate Grounding Kit [R4196]

The purpose of the grounding kit is to REDUCE THE RISK of damage to electronic equipment from lightning strikes. There is no protection or grounding system that can completely eliminate this risk.

HARDWARE ACCESSORIES



Push To Open Bracket [R4388]

Required when the 3000XLS must push a gate open (arm extends to open), such as away from a sloping driveway or where space prevents gate from opening into the property (pull to open). Order two brackets for a dual swing gate installation.



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.



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