

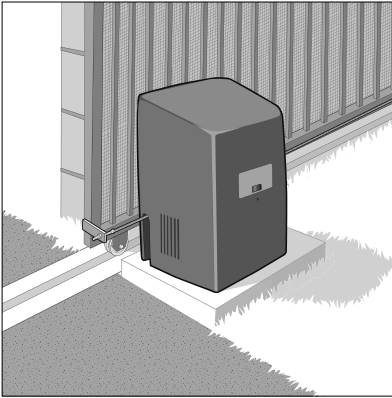
# LiftMaster®

ELITE SERIES™

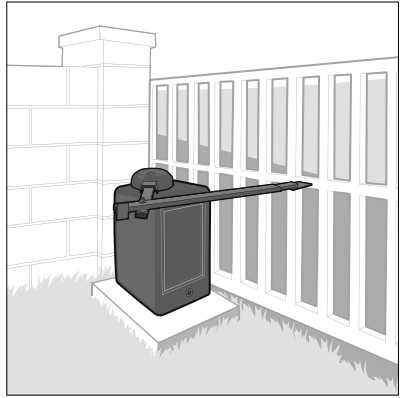
## USER'S GUIDE

### VEHICULAR SLIDE/SWING GATE OPERATORS

RSL12V™ & RSL12VH™



RSW12V™ & RSW12VH™



*Your model may look different than the model illustrated in this user's guide.*

Please contact your authorized LiftMaster dealer  
for all of your service needs.

Installation Date \_\_\_\_\_

**[www.liftmaster.com](http://www.liftmaster.com)**

**Thank you for purchasing a LiftMaster gate operator. Our operators are designed to meet or exceed UL325 safety standards and requirements and are quality manufactured for years of safe and reliable service. Think LiftMaster for all of your Access Control needs.**

## OPERATION

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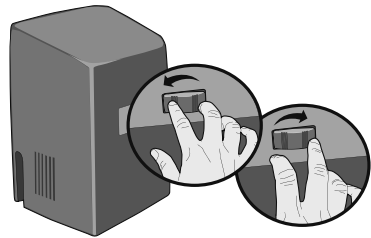
### **RESET SWITCH/BUTTON**

The reset switch/button is located on the front of the operator and serves several functions.

#### **MODEL RSL12V SLIDE GATE OPERATOR**

Model RSL12V has a reset **switch**. When referring to “toggling” the reset switch it means pressing the reset switch to the RESET/DISCONNECT position, then back to the NORMAL OPERATION position.

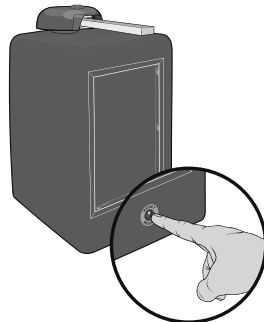
To open and close the gate(s) manually, press the reset switch to the RESET/DISCONNECT position. On a dual gate application the reset switch must be pressed on both operators. To resume normal function press the reset switch to NORMAL OPERATION.



#### **MODEL RSW12V SWING GATE OPERATOR**

Model RSW12V has a reset **button**.

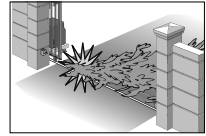
To open and close the gate(s) manually, press the reset button. On a dual gate application the reset button must be pressed on both operators. The next command given by a remote control will close the gate and return the operator to normal operation.



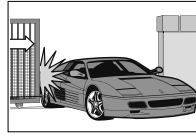
# OPERATION

## OPERATOR ALARM

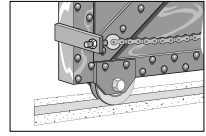
If a contact sensor detects an obstruction twice consecutively the alarm will sound (up to 5 minutes) and the operator will need to be reset.



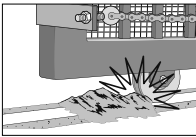
When the inherent force of the operator (RPM/current sensor) detects the following (twice consecutively) the alarm will sound (up to 5 minutes) and the operator will need to be reset:



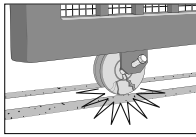
The gate is hitting a wall or vehicle.



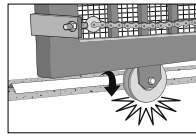
The gate does not meet specifications.



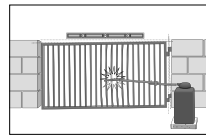
Debris is on the gate's track such as mud, rocks, dirt, etc. (Slide Only)



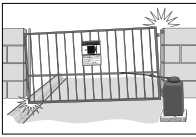
The gate has one or more broken axles or wheels. (Slide Only)



The gate wheel is off the gate rail. (Slide Only)



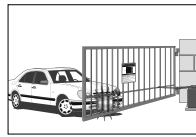
The operator arm or gate is incorrectly installed. (Swing Only)



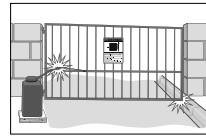
Gate hinges are too tight or broken and the gate is not moving freely. (Swing Only)



A foreign object is on the gate frame while the gate is moving. (Swing Only)



The gate is moving and a car pushes the gate. (Swing Only)



The gate hits the driveway, curb or other, and gets stuck or bent in an awkward position. (Swing Only)

Remove any obstructions. Toggle/press the reset switch/button to shut off the alarm and reset the operator. After the operator is reset, normal functions will resume.

**NOTE:** In dual gate applications the reset switch/button must be toggled/pressed on the primary operator.

## REMOTE CONTROL

Once the remote control has been programmed operator will operate as follows:

When gate is in the closed position, activation of the remote control button will open the gate. During the open cycle another activation of the remote control will stop the gate and the next activation of the remote control will close the gate. When the gate is in the open position, activation of the remote control button will close the gate.

## SLEEP MODE

The operator enters sleep mode 10 seconds after the last command is given. The photoelectric sensor indicator LEDs will not be on. The next command given will return the operator to normal operation.

# MAINTENANCE

<b>DESCRIPTION</b>	<b>CHECK AT LEAST ONCE EVERY MONTH TASK</b>
External Entrapment Protection System	Check and test for proper operation
Photoelectric Sensors	Check and test for proper operation
Warning Signs	Make sure they are present
Gate	Inspect for wear or damage
Drive Chain (Slide Only)	Check for excessive slack and lubricate

The following should be checked by an authorized LiftMaster dealer:

<b>DESCRIPTION</b>	<b>TASK</b>	<b>CHECK AT LEAST ONCE EVERY 6 MONTHS</b>	<b>3 YEARS</b>
Manual Disconnect	Check and test for proper operation	X	
Sprockets and Pulleys	Check for excessive slack and lubricate	X	
Accessories	Check all for proper operation	X	
Electrical	Inspect all wire connections	X	
Chassis Mounting Bolts	Check for tightness	X	
Operator	Inspect for wear or damage	X	
Batteries	Replace		X

## BATTERY

The battery should be replaced every three years. Use only LiftMaster part 29-NP712 for replacement batteries. The operator comes with one 7AH battery. A second 7AH (29-NP712) battery may be added or one 33AH (A12330SGLPK) may be used in place of the 7AH batteries. The batteries contain lead and need to be disposed of properly.

## DRIVE CHAIN (SLIDE ONLY)

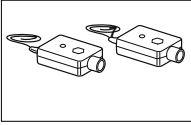
Over time, the drive chain on the operator will stretch and need to be tightened. To tighten the drive chain adjust either of the two chain eye bolts.

**NOTE:** The chain should have no more than 1 inch of sag for every 10 feet of chain length.

# ACCESSORIES

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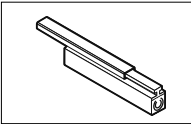
## ENTRAPMENT PROTECTION DEVICES



### THE PROTECTOR SYSTEM® PHOTOELECTRIC SENSORS

The photoelectric sensors are designed to detect an obstacle in the path of the electronic beam and stop the operator. Includes mounting brackets.

Model 50-220



### SENSING EDGE (2-WIRE, NON-MONITORED)

Sensing edges can detect an obstacle upon contact and stop the operator.

Models G65MG0204, G65MG0205, G65MGR205 and G65MGS205

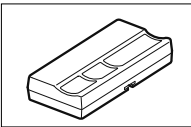
### SENSING EDGE CHANNEL

Mounting channel for all MG020 type edges.

Model G65ME120C5

## REMOTE CONTROLS

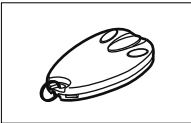
*Chamberlain offers a variety of LiftMaster Security+® and Passport™ remote controls to satisfy your application needs. Single-button to 4-button, visor or key chain. Additionally, Passport™ remote controls are ideal for integration with Telephone Entry and Access Control Systems. Contact your authorized LiftMaster dealer for details.*



### 3-BUTTON SECURITY+® REMOTE CONTROL

The 3-button remote control can be programmed to control the operator. Includes visor clip.

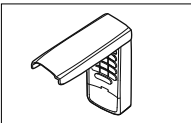
Model 373LM



### 3-BUTTON MINI-REMOTE CONTROL WITH SECURITY+®

The 3-button remote control can be programmed to control the operator. Includes key ring and fastening strip.

Model 370LM



### SECURITY+® KEYLESS ENTRY

Enables homeowner to operate gate operator from outside by entering a 4-digit code on a specially designed keypad.

Model 377LM

# ACCESSORIES

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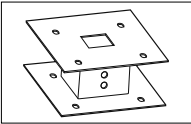
## MISCELLANEOUS



### DUAL GATE WIRING KIT

The dual gate wiring kit is 40 feet of interconnecting cable required for dual gate applications.

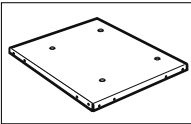
Model MSWIRE12GA6C



### MOUNTING STAND

For Model RSL Slide. Ideal to raise slide operator higher above the ground for snow and other applications.

Model MSLM for Slide ONLY



### POST-MOUNTING PLATE

For post-mounting model RSW residential swing operator (also CSW200 commercial swing operator). Posts not included.

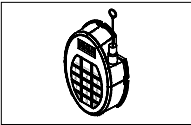
Model MPEL for Swing ONLY



### REMOTE ANTENNA EXTENSION KIT

The remote antenna extension kit allows the antenna to be remotely installed.

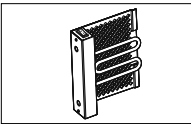
Model 86LM



### WIRELESS ACCESS CONTROL RECEIVER

Access control receiver for up to 450 Security+® remote controls.

Model STAR450-315

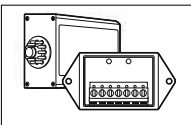


### HEATER

Keeps operator gearbox and batteries at suitable temperature when outside temperature is below 0°F for extended periods of time.

Models HTRKITRSL (for Slide operator, includes bracket for optimal 7AH battery location) and G6518SL (Slide replacement heater only)

Models HTRKITRSW (for Swing operator, includes bracket for optimal heater location) and G6518CSW (Swing replacement heater only)



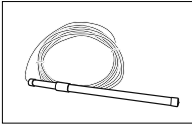
### LOOP DETECTOR

Low power loop detectors.

Model LD7LP

# ACCESSORIES

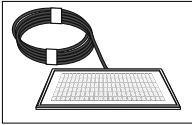
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## VEHICLE SENSING PROBE

The vehicle sensing probe is buried in the ground and can detect a car as it approaches and will then open the gate.

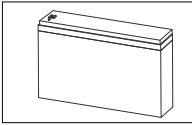
Model LM202



## SOLAR PANEL KIT - 10 WATT

This kit is to replace or add a solar panel to the operator application. Up to three solar panels can be connected to the operator.

Model SOLPNL10W12V

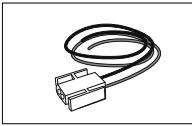


## BATTERY FOR GATE ACCESS SYSTEMS

The gate access system battery replaces or adds a battery to the operator application.

Model 29-NP712 (7 AMP-Hour Battery, 12 Vdc, requires additional 7AH battery harness)

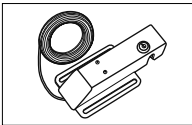
Model A12330SGLPK (33 AMP-Hour Battery, 12 Vdc, harness included. Ideal for solar applications and extended battery backup)



## BATTERY HARNESS

Required when a second 7 AMP-Hour, 12 Vdc battery is added to the operator.

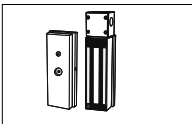
Model K94-35225



## SOLENOID GATE LOCK (LOW POWER)

The automatic gate lock is a solenoid-driven lock that automatically unlocks when the gate is open and locks when the gate is closed. Can be mounted onto a gate or post. Can be released in case of emergency.

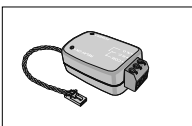
Model SGLOCK12V



## MAGNETIC GATE LOCK

Outdoor magnetic lock, transformer, junction box, mounting plate and hardware. Not for use with Solar Applications. Must be powered separately.

Model MG1300



## RELAY KIT

Maglock release relay.

Model Q400MAU

**845 Larch Avenue  
Elmhurst, Illinois 60126-1196**

01-35314C

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