

# LiftMaster®

ELITE SERIES™

## USER'S GUIDE

### VEHICULAR SLIDE/SWING GATE OPERATORS

CSL24V™ & CSL24VH™



CSW24V™ & CSW24VH™



*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

---

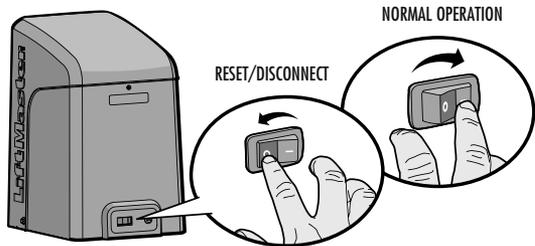
### RESET SWITCH/MANUAL DISCONNECT

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

Tagging the reset switch will stop a moving gate during a normal open/close cycle, like a stop button. The operator does not need to be reset after doing this. The reset switch will disable the gate in the present position and will energize the solenoid lock for two minutes and disable the maglock for two minutes.

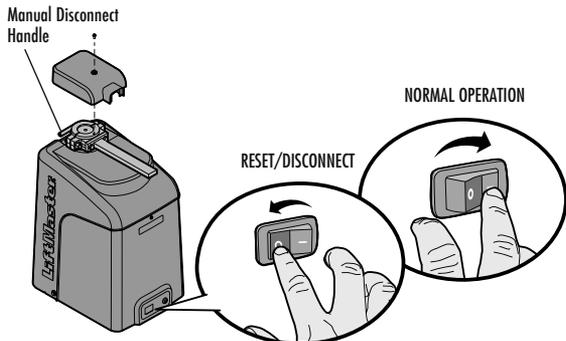
#### MODEL CSL24V SLIDE GATE OPERATOR

Press the reset switch to RESET/DISCONNECT to allow the gate to be opened and closed manually. To resume normal operation press the reset switch to NORMAL OPERATION.



#### MODEL CSW24V SWING GATE OPERATOR

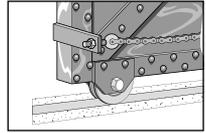
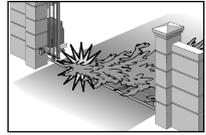
Press the reset switch to RESET/DISCONNECT. Release the handle on the operator arm to allow the gate to be opened and closed manually. On a dual gate application the handle must be released on both operators. To resume normal function tighten the handle by pushing it down.



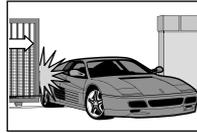
# OPERATION

## 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. If a command is given after the initial 5 minutes the operator will beep.

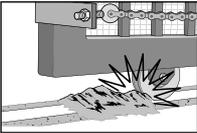


When the inherent force of the operator (RPM/current sensor) detects the following (twice consecutively) the alarm will sound (up to 5 minutes) and the operator will need to be reset:

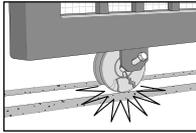


The gate is hitting a wall or vehicle.

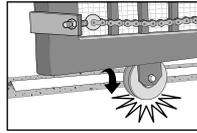
The gate does not meet specifications.



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)



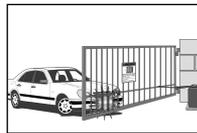
The operator arm or gate is incorrectly installed. (Swing Only)



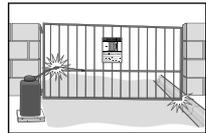
Gate hinges are too tight or broken and the gate is not moving freely. (Swing Only)



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 the reset switch to shut off the alarm and reset the operator. After the operator is reset, normal functions will resume.

## 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. If the remote control is activated while the gate is closing, the gate will stop and the next activation will open the gate.

# MAINTENANCE

<b>CHECK AT LEAST ONCE EVERY MONTH</b>	
<b>DESCRIPTION</b>	<b>TASK</b>
Entrapment Protection Devices	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>CHECK AT LEAST ONCE EVERY</b>	
<b>DESCRIPTION</b>	<b>TASK</b>	<b>6 MONTHS</b>	<b>3 YEARS</b>
Manual Disconnect	Check and test for proper operation	X	
Sprockets and Chains	Check for excessive slack and lubricate	X	
Belt and Pulley (Slide Only)	Check for excessive slack, wear, or damage	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

## BATTERIES

Batteries will degrade over time depending on temperature and usage. For best performance, the batteries should be replaced every 3 years. Use only LiftMaster part 29-NP712 for replacement batteries. The operator comes with two 7AH batteries. Two 33AH (A12330SGLPK) may be used in place of the 7AH batteries.

The batteries contain lead and need to be disposed of properly. Batteries do not perform well in extremely cold temperatures.

**NOTE:** If your application includes a heater, two 33AH will not fit into the operator enclosure (swing only).

The operator alarm will beep 3 times with a command if the battery is low.

## DRIVE CHAIN (SLIDE ONLY)

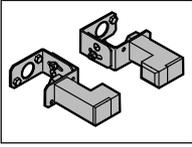
Over time, the drive chain on the operator will stretch and need to be tightened. To tighten the drive chain adjust either of the two chain eye bolts.

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

# ACCESSORIES

---

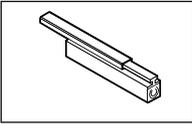
## ENTRAPMENT PROTECTION DEVICES



### PHOTOELECTRIC SENSORS (NON-CONTACT)

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

Models AOMRON E3K-R10K4-NR (retro-reflective), RETROAB 60-2728 (retro-reflective), CPS-UN4 (through beam)



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

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

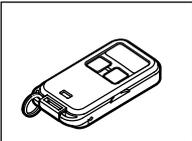
*Chamberlain offers a variety of LiftMaster remote controls to satisfy your application needs. Single-button to 4-button, visor or key chain. The following remote controls are compatible with operators manufactured by Chamberlain after 1993. Contact your authorized LiftMaster dealer for additional details and options.*



### 3-BUTTON REMOTE CONTROL

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

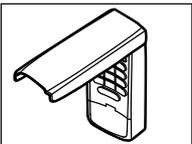
Model 893MAX



### 3-BUTTON MINI-REMOTE CONTROL

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

Model 890MAX



### KEYLESS ENTRY

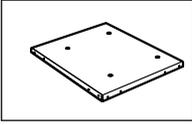
Enables homeowner to operate gate operator from outside by entering a 4-digit code on a specially designed keypad.

Model 877MAX

# ACCESSORIES

---

## MISCELLANEOUS



### POST-MOUNTING PLATE

For post-mounting commercial slide/swing operators. Posts not included.

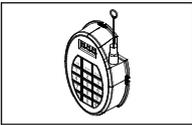
Model MPEL



### REMOTE ANTENNA EXTENSION KIT

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

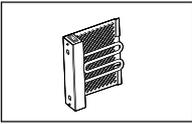
Model 86LM



### WIRELESS ACCESS CONTROL RECEIVER

Access control receiver for up to 450 remote controls.

Model STAR450-315

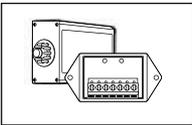


### HEATER

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

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

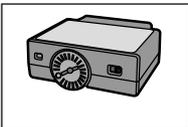
Models HTRKITRSL (for Slide operator, includes bracket for optimal 7AH battery location) and G6518SL (replacement heater only)



### LOOP DETECTOR

Low power loop detectors.

Model LD7LP



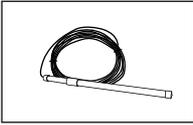
### PLUG-IN LOOP DETECTOR

Conveniently plugs into existing control board.

Model LOOPDELM

# ACCESSORIES

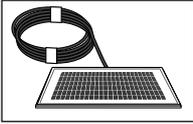
---



## 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.

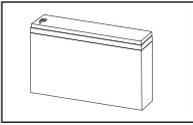
Model CP3



## 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 (requires 2 minimum)



## BATTERY FOR GATE ACCESS SYSTEMS

Gate access system batteries replace or upgrade the gate operator batteries.

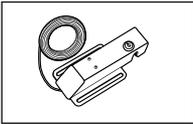
Model 29-NP712 (standard 7 AMP-Hour Battery, 12 Vdc, to replace original batteries provided with operator, reuse existing harnesses)

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

Two identical 12 Vdc batteries are required for each gate operator. Do not mix 7AH and 33AH batteries within a gate operator.

Model K75-34986-2 (battery tray for slide operator)

Model 10-36183 (battery tray for swing operator)



## SOLENOID GATE LOCK

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.

Models GC824 (115 Vac) and CC824-12 (12/24 Vac/dc)



## 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

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

01-35591

© 2011, The Chamberlain Group, Inc. – All Rights Reserved