Model LA500U

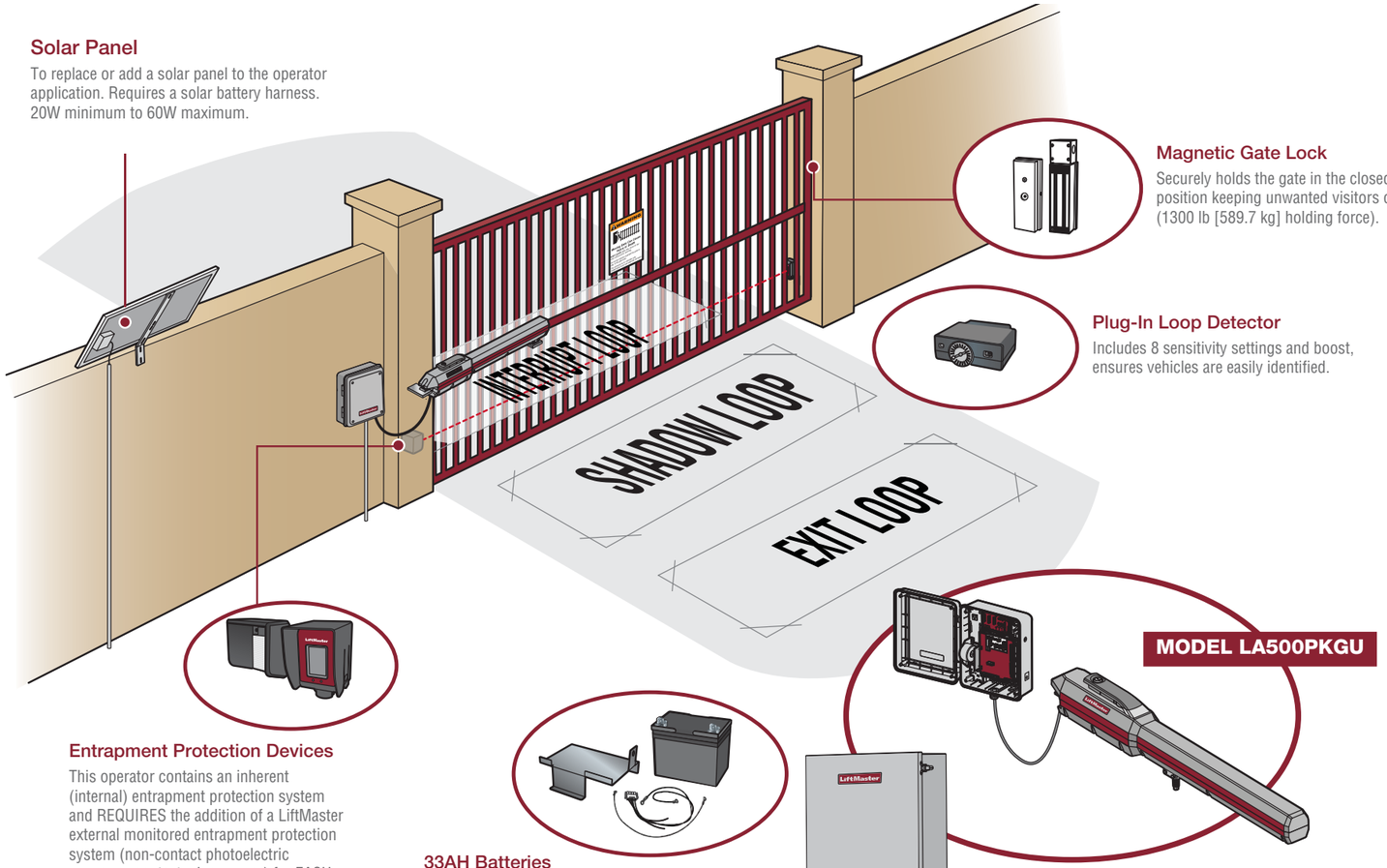
VEHICULAR SWING GATE OPERATOR

Gate Operator Site Plan

ACCESSORY OVERVIEW

Solar Panel

To replace or add a solar panel to the operator application. Requires a solar battery harness. 20W minimum to 60W maximum.



Magnetic Gate Lock

Securely holds the gate in the closed position keeping unwanted visitors out (1300 lb [589.7 kg] holding force).

Plug-In Loop Detector

Includes 8 sensitivity settings and boost, ensures vehicles are easily identified.

Entrapment Protection Devices

This operator contains an inherent (internal) entrapment protection system and REQUIRES the addition of a LiftMaster external monitored entrapment protection system (non-contact photoelectric sensor or contact edge sensor) for EACH entrapment zone prior to gate movement. Model LMRRU is provided with operator. See back page.

33AH Batteries

Upgrade 33 AMP-Hour Battery, 12 Vdc. Ideal for extended battery backup. Two required. Requires battery tray and solar battery harness.

Large Metal Control Box

Double the interior room of a standard control box allowing space for additional accessories. Lockable with padlock.

ORDER SUMMARY

Customer:	Date:
Project:	
Architect/Engineer:	
Contractor:	
Gate Length (ft.):	Gate Weight (lbs.):
Solar (Y/N):	
Power Source (120 or 240 VAC):	

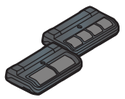
LiftMaster gate operators comply with UL 325 standards. IMPORTANT: To be compliant with UL 325 and industry safety guidelines, LiftMaster qualified monitored external entrapment protection devices such as photoelectric sensors or edge sensors are required to be installed with this operator.

ACCESSORY CHECKLIST

ACCESSORY	MODEL
☐ Entrapment Protection Devices	See back page
☐ Plug-In Loop Detector	LOOPDETLM
☐ Magnetic Gate Lock	MG1300
☐ Universal DIP Single Button Remote Control	811LM
☐ Security+ 2.0® 2-Button Remote Control	892LT
☐ Security+ 2.0® 4-Button Remote Control	894LT
☐ Wireless Commercial Keypad	KPW250
☐ LiftMaster Internet Gateway	828LM
☐ Garage and Gate Monitor	829LM
☐ Single Entry Access Control Keypad and Proximity Reader	KPR2000
☐ Residential and Commercial Telephone Entry System	EL25
☐ Large Metal Control Box	LA500CONTXLMU
SOLAR	
☐ 10 Watt 12V Solar Panel	SP10W12V
☐ 20 Watt 12V Solar Panel	SP20W12V
☐ Large Metal Control Box for Solar	XLSOLARCONTU
☐ 33AH Batteries	A12330SGLPK
☐ Battery Tray for 33AH batteries	K10-36183
☐ Solar Battery Harness	K94-37236

Universal DIP Single Button Remote Control

These remote controls are ideal for applications such as gated communities or commercial applications requiring a large number of remotes for a common entrance.



2-Button and 4-Button Security+ 2.0® Learning Remote Controls

These remote controls are ideal for gated communities. One button can control a gate operator and the other(s) can control a garage door. It can also be programmed to different codes and frequencies.

LiftMaster® Internet Gateway

Internet enabled accessory which connects to the computer and allows you to monitor and control gate operators and lighting accessories enabled by MyQ® technology.

Garage and Gate Monitor

Monitor and close up to four garage doors or gate operators from any room in the house.

Single Entry Access Control Keypad and Proximity Reader

The KPR2000 is a feature-rich Keypad and proximity card reader access controller that is simple to install and looks great, making it an excellent choice for both residential and commercial applications.

Residential and Commercial Telephone Entry System

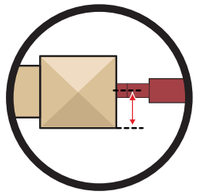
The EL25 is a beautifully engineered telephone entry system for private residences, yet fully adaptable for use in apartment buildings, condo complexes, office parks and commercial sites.

845 Larch Ave., Elmhurst, IL 60126
LiftMaster.com

PAS003

LiftMaster®

GATE CONSTRUCTION & SITE PREPARATION

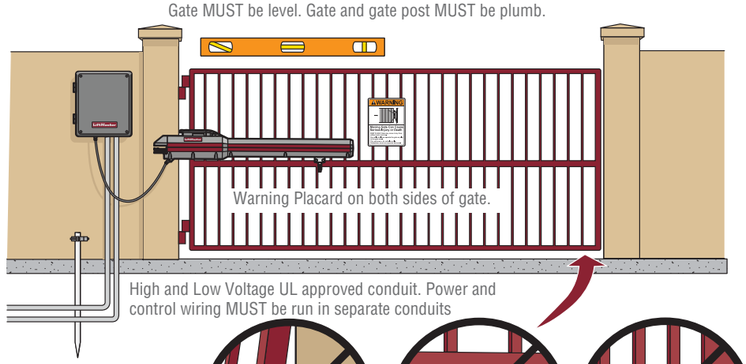


There should only be a maximum of 4" (10.2 cm) from the center of the hinge to the edge of the post or column. If the distance is greater than 4" (10.2 cm) entrapment protection for this area is required.

Maximum gate weight/length:
1200 lbs. (544.3 kg)/12 foot (3.7 m)
800 lbs. (362.9 kg)/16 foot (4.9 m)
600 lbs. (272.2 kg)/18 foot (5.5 m)

Gate MUST swing freely and be supported entirely by its hinges.

Gate MUST be level. Gate and gate post MUST be plumb.

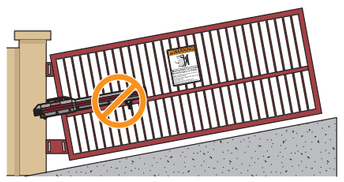


Gate MUST NOT hit or drag across ground.

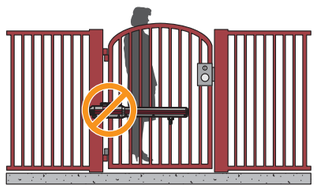
Remove ANY/ALL wheels from the bottom of gate.

Gate MUST have a smooth bottom edge, no protrusions should exist.

DO NOT weld the crossbar on just a few pickets, or they could bend.



DO NOT install on uphill or downhill gates.



DO NOT install on ANY pedestrian passageways, doorways, or gates.

DO NOT install next to sprinklers or any area that may expose the bottom of operator to water.

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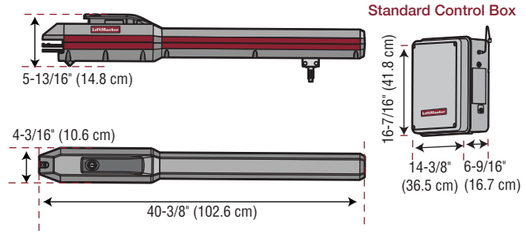
IC /FCC Certified

CGI reserves the right to make design or specification changes without notice.

INSTALLATION OVERVIEW

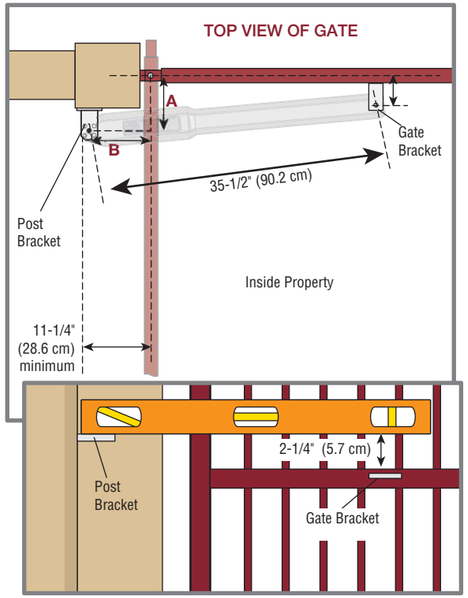
OPERATOR DIMENSIONS

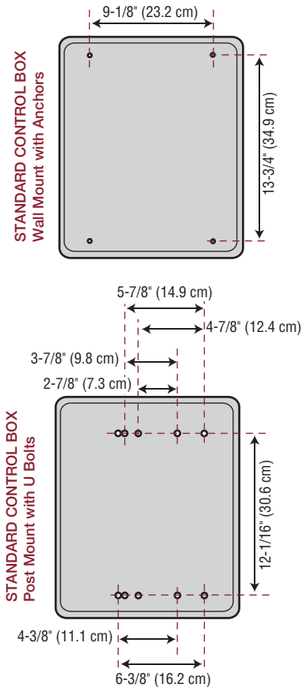


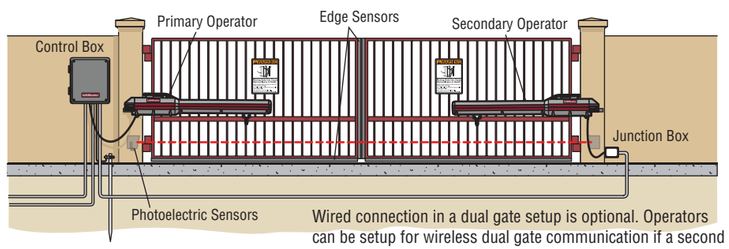
STANDARD DUAL GATE INSTALLATION

DIMENSION CHART	
A	B
7-3/4" (19.7 cm)	8-1/2" (21.6 cm)
8-1/2" (21.6 cm)	7-3/4" (19.7 cm)
9" (22.9 cm)	9" (22.9 cm)
9" (22.9 cm)	8-1/2" (21.6 cm)
7-1/2" (19.1 cm)	7-1/2" (19.1 cm)

OPERATOR POWER SOURCE		
Wire Gauge	120 Vac	240 Vac
14	350 feet (107 m)	1,150 feet (351 m)
12	525 feet (160 m)	1,850 feet (564 m)
10	850 feet (259 m)	2,950 feet (899 m)







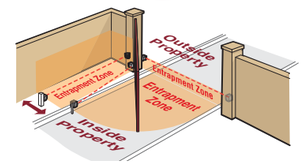
Wired connection in a dual gate setup is optional. Operators can be setup for wireless dual gate communication if a second control box is purchased.

ENTRAPMENT PROTECTION

This operator contains an inherent (internal) entrapment protection system and REQUIRES the addition of a LiftMaster external monitored entrapment protection system (non-contact photoelectric sensor or contact edge sensor) for EACH entrapment zone prior to gate movement. An entrapment zone is every location or point of contact where a person can become entrapped between a moving gate and a stationary object. Your application may contain one or many entrapment zones. System includes six monitored entrapment protection inputs capable of covering all entrapment zones. Use only LiftMaster approved entrapment protection devices.

NON-CONTACT SENSORS

- ☐ **Model LMTBU**
  LiftMaster Monitored Through Beam Photoelectric Sensor
- ☐ **Model LMRRU**
  LiftMaster Monitored Retro-Reflective Photoelectric Sensor
  NOTE: *LMRRU is provided with the operator*
- ☐ **Model CPS-UN4**
  LiftMaster Commercial Protector System®

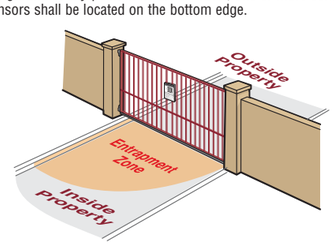


If the distance between the open gate and the wall is less than 16" (40.6 cm) entrapment protection for this area is required. Entrapment protection is required for the area between the gate and the curb.

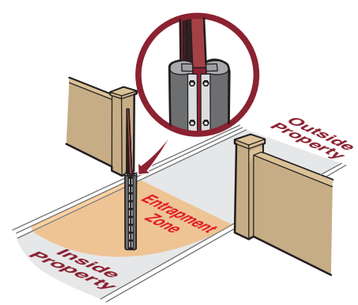
CONTACT SENSORS (EDGE SENSORS)

- ☐ **Model LMWEKITU**
  LiftMaster Monitored Wireless Edge Kit (Transmitter and Receiver)
- ☐ **Model LMWETXU**
  LiftMaster Monitored Wireless Edge Transmitter
- ☐ **Model L50**
  Large Profile Monitored Edge (82 ft. roll)
- ☐ **Model L50E**
  Large Profile Ends Kit (pair, pack of 10)
- ☐ **Model L50CHP**
  Channel for both Large and Small Profiles - PVC (8 ft., pack of 10)
- ☐ **Model L50CHAL**
  Channel for both Large and Small Profiles - Aluminum (10 ft., pack of 8)
- ☐ **Model S50**
  Small Profile Monitored Edge (82 ft. roll)
- ☐ **Model S50E**
  Small Profile Ends Kit (pair, pack of 10)
- ☐ **Models L504AL, L505AL, and L506AL**
  Large Profile Edge - Aluminum Channel (4 ft, 5 ft, 6 ft)
- ☐ **Models S504AL, S505AL, and S506AL**
  Small Profile Edge - Aluminum Channel (4 ft, 5 ft, 6 ft)
- ☐ **Model ETOOL**
  Edge Cutting Tool

For a gate operator utilizing a contact sensor, if the bottom edge of a swing gate is greater than 6 inches (15.2 cm) above the ground at any point in its arc of travel, one or more contact sensors shall be located on the bottom edge.



If utilizing a contact sensor as entrapment protection, one or more contact sensors shall be located on the inside and outside leading edge of a swing gate.



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