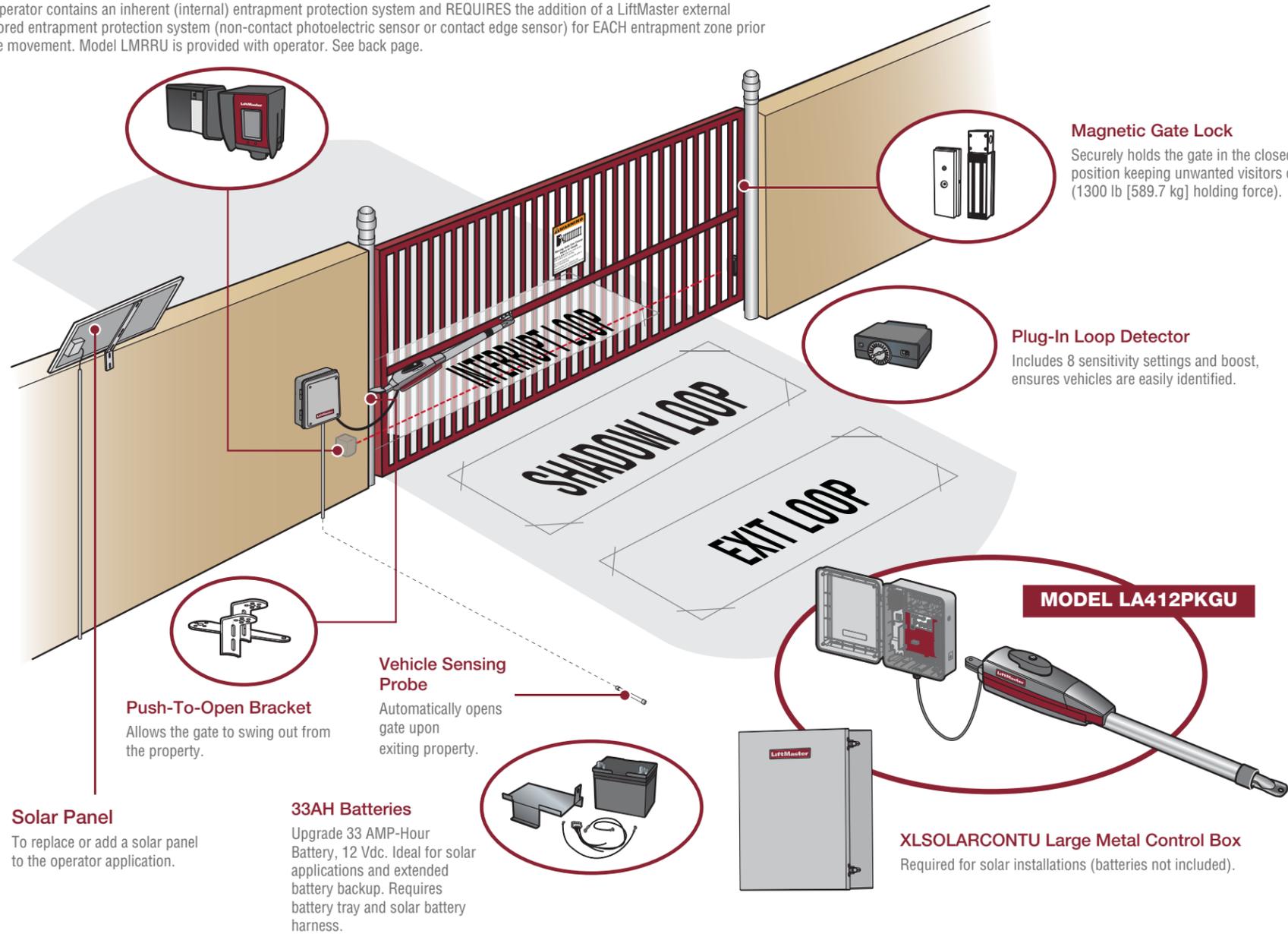


Gate Operator Site Plan

ACCESSORY OVERVIEW

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.



ORDER SUMMARY	
Customer:	Date:
Project:	
Architect/Engineer:	
Contractor:	
Gate Length (ft.):	Gate Weight (lbs.):
Solar (Y/N):	

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
<input type="checkbox"/> Entrapment Protection Devices	See back page
<input type="checkbox"/> Plug-In Loop Detector	LOOPDETLM
<input type="checkbox"/> Magnetic Gate Lock	MG1300
<input type="checkbox"/> Push-to-Open Bracket	50-19503
<input type="checkbox"/> Vehicle Sensing Probe	50-CP3
<input type="checkbox"/> Universal DIP Single Button Remote Control	811LM
<input type="checkbox"/> Security+ 2.0® 2-Button Remote Control	892LT
<input type="checkbox"/> Security+ 2.0® 4-Button Remote Control	894LT
<input type="checkbox"/> Wireless Commercial Keypad	KPW250
<input type="checkbox"/> LiftMaster Internet Gateway	828LM
<input type="checkbox"/> Garage and Gate Monitor	829LM
<input type="checkbox"/> Remote Light Switch	823LM
<input type="checkbox"/> Single Entry Access Control Keypad and Proximity Reader	KPR2000
SOLAR	
<input type="checkbox"/> 10 Watt 12V Solar Panel	SP10W12V
<input type="checkbox"/> 20 Watt 12V Solar Panel	SP20W12V
<input type="checkbox"/> Large Metal Control Box for Solar	XLSOLARCONTU
<input type="checkbox"/> 33AH Batteries	A12330SGLPK
<input type="checkbox"/> Battery Tray for 33AH batteries	K10-36183
<input type="checkbox"/> 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.

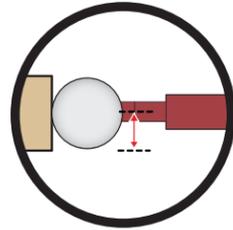
LiftMaster® Internet Gateway
Internet enabled accessory which connects to the computer and allows you to monitor and control gate operators and lighting accessories enabled by MyQ® technology.

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

Remote Light Switch
Controls light remotely, in your garage, yard or home.

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.

GATE CONSTRUCTION & SITE PREPARATION

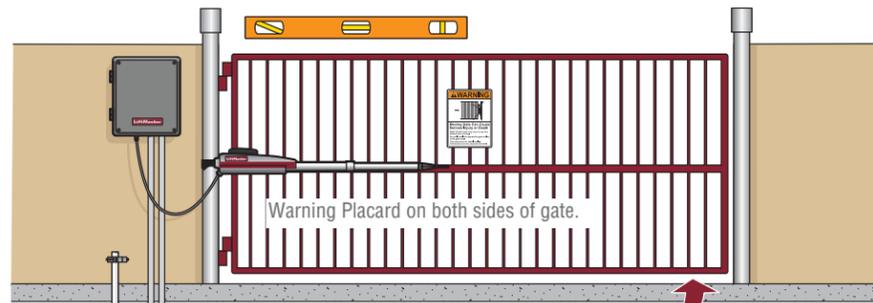


There should only be a maximum of 4" (10.2 cm) from the center of the hinge to the edge of the post or column. If the distance is greater than 4" (10.2 cm) entrapment protection for this area is required.

Maximum gate weight/length:
 850 lbs. (385.6 kg) / 10 ft (3.0 m)
 750 lbs. (340.2 kg) / 12 ft (3.7 m)
 650 lbs. (294.8 kg) / 14 ft (4.3 m)
 550 lbs. (249.5 kg) / 16 ft (4.9 m)

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

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



Warning Placard on both sides of gate.

High and Low Voltage UL approved conduit. Power and control wiring MUST be run in separate conduits

Earth Ground Rod
 Check national and local codes for proper depth



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.



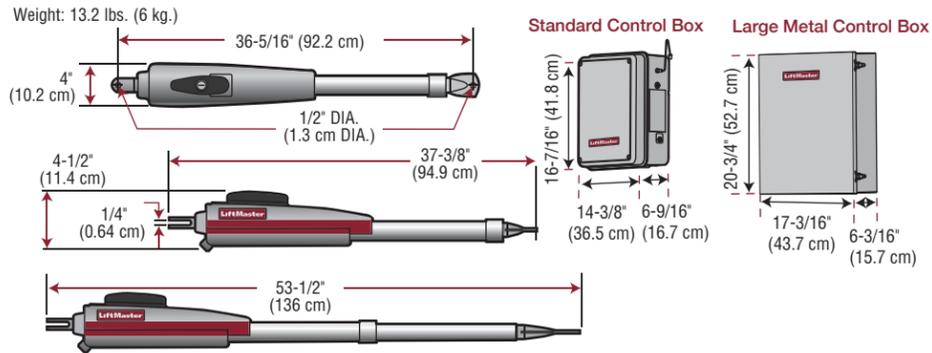
DO NOT install on ANY pedestrian passageways, doorways, or gates.



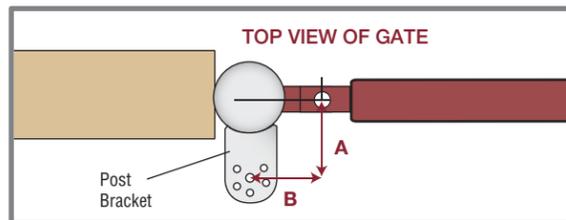
DO NOT install next to sprinklers or any area that may expose the bottom of operator to water.

INSTALLATION OVERVIEW

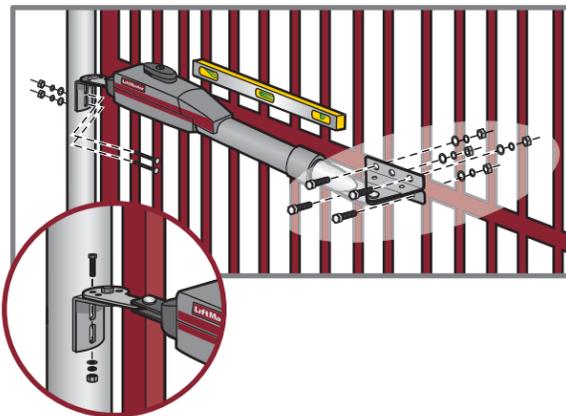
OPERATOR DIMENSIONS



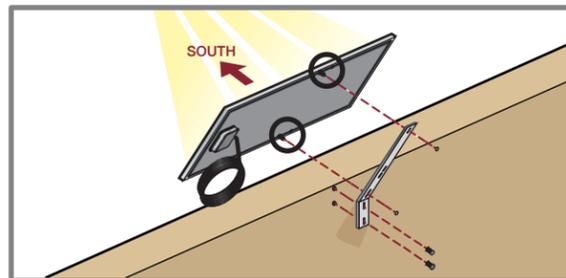
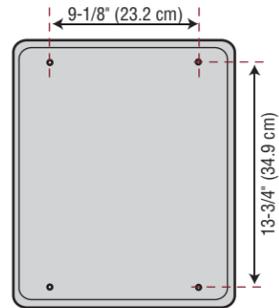
STANDARD DUAL GATE INSTALLATION



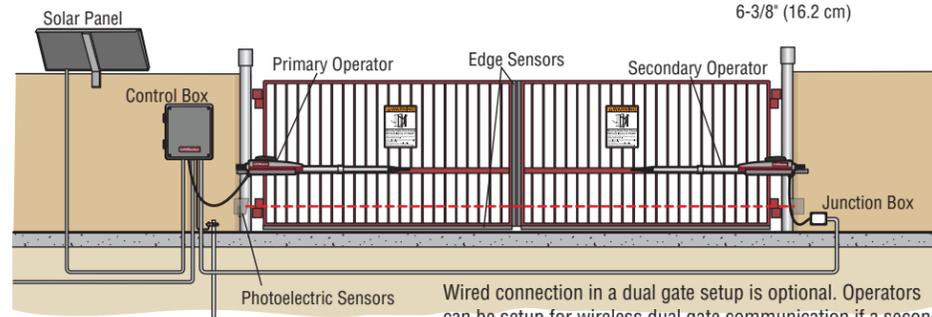
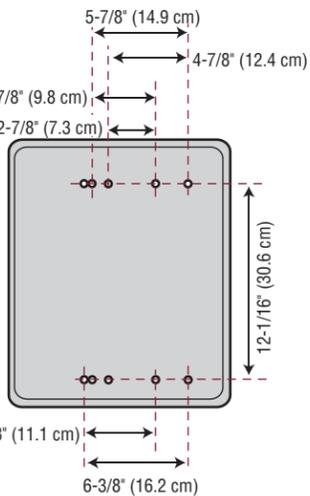
DIMENSION CHART	
A	B
7" (17.8 cm)	7" (17.8 cm)
8" (20.3 cm)	6" (15.2 cm)
7-1/2" (19.1 cm)	7-1/2" (19.1 cm)
6-1/2" (16.5 cm)	6-1/2" (16.5 cm)
6" (15.2 cm)	6" (15.2 cm)



STANDARD CONTROL BOX
 Wall Mount with Anchors



STANDARD CONTROL BOX
 Post Mount with U Bolts



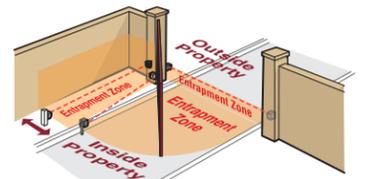
Wired connection in a dual gate setup is optional. Operators can be setup for wireless dual gate communication if a second control box is purchased.

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 three monitored entrapment protection inputs capable of covering all entrapment zones (and a total of six inputs with the optional expansion board). 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.

