



# Unrivaled Performance, Safety and Accessibility

LiftMaster® DC Residential Gate Operators



**LiftMaster® is committed to helping the industry design, install and service safe gate applications that are tested and certified to meet the most stringent industry safety standards—UL 325. You can count on us for the products, expertise and support necessary to make every installation safe and UL 325 Compliant.**

#### **New UL 325 Gate Guidelines — what you need to know**

- Two monitored safety entrapment protection devices must be installed at each entrapment point, including:
  1. The inherent reversing system in a LiftMaster Gate Operator.
  2. LiftMaster Monitored Photo Eyes and/or Edge Sensors.\*
- Gate operators will now monitor for fault conditions of external entrapment protection devices.

New regulations go into effect January 2016.

For more information, visit [LiftMaster.com/Safety](http://LiftMaster.com/Safety).

## Unrivaled Performance, Safety and Accessibility.

### WHAT SETS US APART

- Built to deliver unsurpassed safety and performance, our 2016 UL Listed Operators and Monitored Safety Entrapment Devices provide peace of mind for every gate application.
- Focus on your family, not the gate. Securely control and monitor your Gate Operator from anywhere and get activity notifications through the MyQ® app.
- Carry on with your busy day with Security+ 2.0® Technology that utilizes a tri-band signal to virtually eliminate interference and offer extended range each time the remote control is used.
- Exceptional Battery Backup safeguards your property by providing over 100 cycles of standby power when the power is out (see Feature Chart for specific cycles and days for each operator).
- Eliminate expensive conduit costs and unsightly driveway scars on your property with Wireless Dual-Gate Communication.\*



\*Actuators require a second control box.

DISCOVER OUR MOST ADVANCED OPERATORS YET

LA500PKGU  
LA400PKGU  
LA412PKGU

Our most powerful and full-featured residential linear actuators



**Ideal for:**  
*Ornamental or large swing gates and rural gate applications.*



LA500PKGU



LA400PKGU



LA412PKGU

- Battery Backup provides weeks of standby power when the power is down.
- Commercial-duty cast aluminum housing with heavy-duty DC motor performs under the most demanding applications.
- Soft Start/Stop extends operator and hardware life by gently controlling gate speed.
- Bi-part delay monitors and adjusts the speed and position of each leaf in dual-gate applications, ensuring that the primary gate closes last, avoiding potential damage to the gate.
- Fire Department Compliance allows gate to auto-open upon loss of AC power or battery depletion.
- Solar-ready, ultra-reliable system offers superior performance and efficiently delivers power when you need it most (standard for LA412, optional for all others).

### All safety accessories:

- UL 325 Listed with all UL Compliant LiftMaster® Gate Operators.
- Reliable NEMA 4X enclosure with rain and fog resistant lens.

### SAFETY ACCESSORIES



#### Monitored Retro-Reflective Photo Eye (LMRRU)

- Sensing distance up to 50 ft. NEMA 4X.

#### Monitored Through-Beam Photo Eyes (LMTBU)

- Wireless network mode eliminates the need to wire between operators in dual-gate applications.
- Sensing distance up to 90 ft. NEMA 4X.



RSL12U RSW12U  
CSL24U CSW24U

Exceeds expectations for reliable,  
long-lasting residential applications



**Ideal for:**

*Heavy residential  
gates or light  
commercial slide  
or swing gates.*



RSL12U



CSL24U



RSW12U



CSW24U

- Battery Backup provides weeks of standby power when the power is down.
- Powerful DC motor with Soft Start/Stop operation is very smooth and extends operator and hardware life by gently controlling gate speed.
- Designed with the highest-quality components, the commercial gear-driven transmission provides unsurpassed reliability.
- PosiLock® equipped: operator will power on if pushed off its close limit, returning gate to closed position quickly to secure the property (slide gate only).
- Fire Department Compliance allows gate to auto-open upon loss of AC power or battery depletion.
- Bi-part delay monitors and adjusts speed and position of each leaf in dual-gate applications to ensure that the primary gate closes last, avoiding potential damage to the gate (swing gate only).

## ACCESSORIES



### Monitored Wireless Edge Kit Transceiver/Receiver (LMWEKITU)

- Low-energy Bluetooth® transmission provides industry-leading battery life (2 years).
- Accepts up to 4 transceivers, 2 resistive edges per transceiver.
- Protects up to 8 entrapment points.
- Sensing distance up to 130 ft. NEMA 4X.

### Plug-In Loop Detector (LOOPDETLM)

- Ensures vehicles are easily identified to exit property or interrupt gate travel if a vehicle is in its path.
- Power-efficient design uses less power to maximize cycles when operating on Battery Backup.



### Internet Gateway (828LM)

- Enables you to monitor, open and close your gate from anywhere using a smartphone or tablet.
- Notifies you of the status of your gate with email or text alerts.

# Unrivaled Performance.

## DC Residential Gate Operator Specifications

MODEL	FEATURES FOR ALL MODELS	OPERATING VOLTAGE	ACCESSORY POWER	MAX GATE WEIGHT/LENGTH*	RECOMMENDED CYCLES PER DAY	WARRANTY
LA500PKGU	2016 UL 325 Compliant LiftMaster® Security+ 2.0® MyQ® Technology Battery Backup Common Control Board <ul style="list-style-type: none"> <li>• 1 main board for all linear actuators</li> <li>• 1 main board for all DC pad mount operators</li> <li>• 1 expansion board for all operators (comes standard with LA500PKGU, CSW24U, CSL24U)</li> </ul> Wireless Primary/Secondary (2 control panels needed for LA500, LA400 and LA412) Diagnostic Code Display Electrical Limits Colored Terminals for easy identification of safety and fire department inputs	Full Time AC Run Operation with Battery Backup/Solar Charge	24VDC, 500mA max. for ON + SW (switched)	1,600 lbs./8 ft. 800 lbs./16 ft. 600 lbs./18 ft.	300	2 years
LA400PKGU		24VDC Battery Run/Direct Plug-in Transformer or Solar Charge	24VDC, 500mA max. for ON + SW (switched)	850 lbs./10 ft. 750 lbs./12 ft. 650 lbs./14 ft. 550 lbs./16 ft.	100	2 years
LA412PKGU		12VDC Battery Run/Solar Charge	12VDC, 500mA max. for ON + SW (switched)	850 lbs./10 ft. 750 lbs./12 ft. 650 lbs./14 ft. 550 lbs./16 ft.	100	2 years
RSL12U		12VDC Battery Run/Battery Backup/Solar Charge	12VDC, 500mA max. for ON + SW (switched)	800 lbs./25 ft.	120	3 years
RSW12U		12VDC Battery Run/Battery Backup/Solar Charge	12VDC, 500mA max. for ON + SW (switched)	1,000 lbs./6 ft. 800 lbs./8 ft. 700 lbs./10 ft. 600 lbs./12 ft. 400 lbs./16 ft.	250	3 years
CSW24U		24VDC Transformer Run/Battery Backup/Solar Charge	24VDC, 500mA Output Switched & Unswitched Power	1,600 lbs./8 ft. 1,200 lbs./12 ft. 800 lbs./16 ft. 600 lbs./18 ft.	High-Cycle, High-Temperature Continuous Duty	7 years residential 5 years commercial
CSL24U		24VDC Transformer Run/Battery Backup/Solar Charge	24VDC, 500mA Output Switched & Unswitched Power	1,500 lbs./50 ft.	High-Cycle, High-Temperature Continuous Duty	7 years residential 5 years commercial

\*Consult your LiftMaster Professional Dealer.

SYSTEM FEATURES	SPECIFICATIONS
Operating Temperature	Without Heater: -20°C to 60°C (-4°F to 140°F)
	With Optional Heater: -40°C to 60°C (-40°F to 140°F) (only RSL12U/RSW12U)
Primary—Inherent Entrapment	Dual—RPM and Current Sensor
Secondary—External Entrapment	3 inputs per board—any combination of up to 3 Photo Eyes and up to 2 Monitored Safety Edges
UL Usage Classification	Class I, II, III and IV