LA412DC
SOLAR RESIDENTIAL DC LINEAR ACTUATOR

Unrivaled Performance, Security and Accessibility

The most solar optimized swing gate operator on the market, delivers unmatched performance, power and reliability when and where you need it to quickly and safely access your property. Access your property like never before. With MyQ® Technology you can monitor and control your gate from anywhere and get in quickly and securely with the built-in interference eliminating Security+ 2.0™ radio. Industry-leading power management technology delivers power when you need it most to operate your gate and minimizes power draw at all other times. Receive up to 126 days* of stand by time without recharging. No other company can offer you that peace of mind.

Connectivity
- **MyQ Technology** enables you to securely monitor and control your gate operator and houselights with your smartphone for greater peace of mind.
- **Alerts** can be received as email or pop-up (push) notifications on your mobile device so that you always know the status of your gate operator.
- **MyQ Mobile App** is a free download with no annual activation fee.

Performance
- **Solar Optimized Ultra-Reliable System** delivers power when you need it most to operate the gate and is extremely power efficient at all other times to maximize solar performance. Home owners may qualify for 30% solar tax credit.
- **Heavy-Duty Cast Aluminum Housing DC Motor** powerful enough to perform in the most demanding applications. Soft start/stop operation extends operator and hardware life for heavy-duty gate use.
- **Gate Size** rated for gates up to 16 ft. in length or weighing up to 850 lbs.

Safety and Security
- **Security+ 2.0™ Patented Multi-Frequency Secure Radio Technology** virtually eliminates interference and offers 2X the range of standard remotes so you can access your home quickly and safely.
- **Safety Inputs** provided for the addition of safety reversing devices, each entrapment point should be protected with its own device.
- **UL/cUL Listed** tested to the most stringent industry guidelines.

OPTIONAL ACCESSORIES:

LiftMaster Internet Gateway (828LM)***

Receive alerts or monitor and activate gate via an Internet-enabled device anywhere in the world.

Door and Gate Monitor (829LM)

Monitor or close the gate from any room in your house. ***

Remote Light Switch (823LM)

Controls light remotely in your garage, yard or home.

2-Button and 4-Button Security+ 2.0™ Learning Remote Controls (892LT) (894LT)

One button can control a gate operator and the other(s) can control garage door(s). It can also be programmed to Security+® or Security+ 2.0™ code format.

Monitored Entrapment Protection Retro-Reflective Photoelectric Sensor (CPS-RPEN4GM)**

Safeguards your property. Single-sided means no expensive trenching or wiring.

Push to Open Bracket (50-19503)

Allows the gate to swing out from the property.

LiftMaster®

FEATURES

KEYED MANUAL DISCONNECT
Provides simple method to manually operate gate.

FIRE DEPARTMENT COMPLIANT
Selectable settings allow gate to auto open upon battery depletion.

BI-PART DELAY
Monitors the speed and position of each wing and adjusts the speed as necessary to ensure primary gate closes last, avoiding potential damage to the gate.

SYNCHRONIZED CLOSE
Simultaneously closes gates.

WIRELESS DUAL-GATE COMMUNICATION
(WITH SECOND CONTROL BOX)
Saves unsightly driveway scars by eliminating expensive conduit for dual-gate communication.

PLUG-IN LOOP DETECTOR INPUTS
(WITH OPTIONAL EXPANSION BOARD)
Easy to install, simple to program.
Eight different settings, including boost.
Innovative technology eliminates crosstalk.
Inputs for shadow, interrupt and exit loops.

PROGRAMMABLE AUXILIARY RELAYS
(WITH OPTIONAL EXPANSION BOARD)
Save time and money when adding on auxiliary devices. Two programmable relays with six settings each simplify adding additional features. Switch on/off devices at open or close limits.

ADVANCED TRAFFIC MANAGEMENT CONTROL
(WITH OPTIONAL EXPANSION BOARD)

ANTI TAILGATE
Prevents unauthorized access. Gate will pause when closing as vehicle pulls onto interrupt loop or breaks photo beam. Once vehicle backs up, gate will continue to close.

QUICK CLOSE
Closes the gate immediately after a vehicle pulls off the interrupt loop.

ONE TOUCH PUSH BUTTON PROGRAMMABLE ELECTRONIC LIMIT SYSTEM
Maintains accurate gate position throughout gate travel. Maintains open and close limit position at all times, even after using manual disconnect.

WARRANTY
Two years.

LED DIAGNOSTIC DISPLAY
Easy-to-read, simplifies installation and troubleshooting.

HOMELINK® COMPATIBLE
Version 4 and higher.

SECURITY+2.0™ ON-BOARD RADIO RECEIVER
Up to 50 remotes.

SPECIFICATIONS

POWER
Solar powered system accepts up to 30W 12V solar panel.

ACCESSORY POWER
24VDC 500mA output
Switched and unswitched power.

SURGE
Industrial strength suppression on low voltage inputs.

TEMPERATURE SPECIFICATIONS
-40º F (-40C) to 140ºF (60C)

GATE TRAVEL SPEED
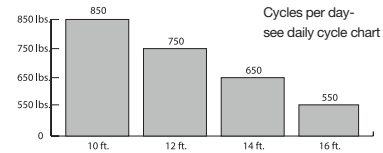90 degree opening in 23 - 24 seconds.

CONSTRUCTION

MOTOR
12VDC continuous-duty motor.

OPERATOR DUTY RATING
See Solar Daily Cycle Rate Chart by Zone

WORM GEAR REDUCTION
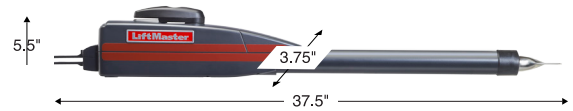Precision machined all metal gear drive.

OPERATOR WEIGHT
Actuator Arm 19 lbs.
Standard control box 13 lbs.
• Includes (2) 7AH batteries
XL control box 30 lbs.
• Batteries ship separate.

RECOMMENDED CAPACITIES

Cycles per day-
see daily cycle chart

	10 ft.	12 ft.	14 ft.	16 ft.
lbs	850	750	650	550

**Varies by number of solar panels, accessories or zone.

DIMENSIONS

5.5"
3.75"
37.5"

16"
13"
LA412CONTDC
Standard Control Box

20"
16"
XLSOLARCONTDC
Extra Large Control Box

* Basic set up with remotes programmed. Does not include added accessory power draw. LiftMaster low power draw accessories recommended to extend cycles and standby time on battery backup.

**Power efficient LiftMaster design saves power when running on battery or solar mode.

***LiftMaster® Internet Gateway Accessory functionality is dependent on communication with a MyQ Enabled gate operator. MyQ Technology communication can be limited by distance and type of exterior buildingmaterials. A general range estimate is 300 ft.

LiftMaster gate operators comply with UL 325 standards. External entrapment devices must be added to meet UL 325 standards. Your installer will recommend suitable entrapment devices such as photoelectric sensors or edge sensors.

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LiftMaster®