

SOLAR POWERED RESIDENTIAL GATE OPERATOR SYSTEM

LA412

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SOLAR POWERED GATE OPERATOR SYSTEM WITH POWER MANAGEMENT SYSTEM

Utilizes innovative Power Management System to deliver power when needed most for operating a gate while minimizing power consumption at all other times for best solar performance.

DC motor provides soft start/soft stop operation. This promotes longer gate and operator life, as well as dependable performance.

The LA412 is capable of operating gates up to 16 ft. long and weighing up to 550 lbs.

On-Board Receiver



Exclusive from LiftMaster®, a single remote control solution for gate access and additional access points.

LiftMaster®

LA412

STANDARD FEATURES

Solar Panel

Powerful 12V 10 watt solar panel included as standard. Additional panels may be required depending on single or dual gate application, geographic location, number of cycles per day and accessories used. Consult your local dealer or www.liftmaster.com for more information.

On-Board Radio Receiver

Radio receiver compatible with all LiftMaster® Security+® and Passport™ 315 MHz remote controls. Allows for one remote control to conveniently open the gate and additional access points. Remote controls sold separately.

DC Motor – Slow Start/Stop Operation

Reduces the stress and shock to the gate system by slowing ramping up gate speed on open and ramping down gate speed on close. This type of operation promotes longer gate and operator life and quieter operation.

Inherent Obstruction Sensing

This unit's internal obstruction sensing system offers separate force adjustments for both the open and closed directions. If the gate strikes an obstruction, a closing gate will reverse to open and an opening gate will stop.

External Obstruction Sensing

Input connections are provided for external contact and non-contact sensors, such as photo-eyes and edge devices.

Keyed Manual Disconnect

External disconnect allows use to manually operate the gate.

To comply with UL325, installation of secondary entrapment protection devices is required with this operator. Ask your installer which safety device is correct for your application.

Control Inputs

Control inputs allow the connection of external devices. Solar Friendly or wireless accessories are recommended to minimize power draw. Solar Friendly accessories include, loop detectors, LiftMaster® photo eyes, free exit probe, wireless access control equipment, and solenoid lock.

Bi-Part Delay

Allows for swing gate designs where the wings overlap by letting one wing open or close before the other wing. Unique patent pending.

Synchronized Close

Feature monitors the speed and position of each wing, detects any change and adjusts the speed as necessary to ensure primary gate closes last avoiding potential damage to the gate.

Timer To Close

Adjustable timer can be set from 0 to 180 seconds. The unit will automatically reset upon receiving any additional open commands.

LED Indicators

Operator input, status and diagnostic LEDs simplify setup and troubleshooting.

Electronic Limit System

Simple-to-set electronic limit system allows you to set your limits with just the push of a button.

SPECIFICATIONS

Power

12VDC

Accessory Power

Two/12VDC Outputs

Low power draw accessories recommended

Operator Weight

LA412 Actuator Arm

25 lbs. Includes (2) 7AH batteries

LA412 Controller Box

25 lbs.

UL Listed

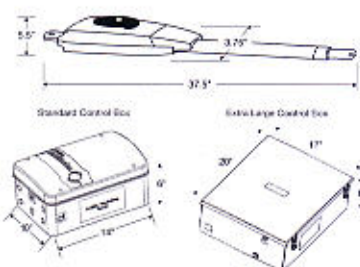
UL325-Class I

Construction

Motor: 12VDC

Aluminum Housing

Dimensions



Models Available

LA412 - Single Actuator Arm

LA412-CONT - Control box for single or master/second application

LA412-S - Second actuator arm with junction box and 40 ft. direct burial cable for all primary/ secondary applications

Additional Options

Transmitters and Keypads

Loop Detectors

Sensing Edges

OPTIONAL EQUIPMENT

Primary/Secondary Package*

For use in applications where two gate operators are needed.

Solenoid Lock

Additional security from forced entry or exit by holding the gate firmly in the closed position.

The Protector System® Safety Sensors*

Prevents the gate from closing onto people, pets or objects. Includes mounting brackets.

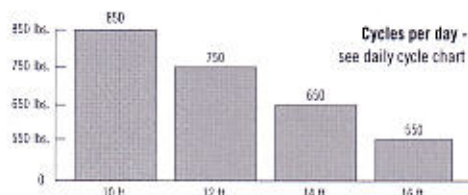
*Only 50-220 photo eyes go into power save mode and minimize power draw when gate is not opening

Other low power draw options available, please consult Customer Service for more information.

XL Control Box - LA412CONTXLM

With double the interior room of a standard box. This large, powder coated, weather resistant, metal control box with hinged lockable cover has enough room for two 7AH batteries or one 33Ah battery and much more. Built-in standoffs for three LiftMaster® low power loop detectors, model LD7LP. (Loop detectors sold separately)

Recommended Capacities



**Varies by number of solar panels, accessories or region

LiftMaster®

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