

# Solar Powered Residential Gate Access System

**LA412**

## solar powered gate access system with EverCharge® Power Management System

Utilizes innovative EverCharge® 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.

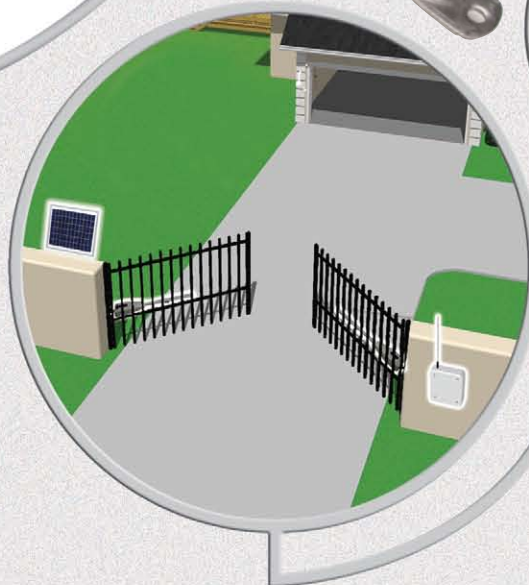
## on-board radio receiver

Exclusive from Chamberlain, a single remote control solution for gates and additional access points.



## safety, convenience, flexibility

- Simple to set electronic limit system
- Keyed manual disconnect
- Built in fully adjustable timer to close
- Easy-to-use inputs for loops, sensing devices and control devices (solar friendly accessory devices recommended)
- Supports primary/secondary operation (dual gate)
- LED diagnostics to speed installation
- Easy to use inputs for loops, sensing devices and control devices (low power draw accessories recommended)



**CHAMBERLAIN®**

# LiftMaster®

**PROFESSIONAL**



**2** year  
warranty

# 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](http://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.

## 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.

## keyed manual disconnect

External disconnect allows use to manually operate the gate.

# optional equipment

## primary/secondary package\*

The LA412 is available in a second package which includes a cable extension kit consisting of 40 ft. of direct burial wire, junction box and connecting hardware. For use in applications where two gate operators are needed.



\*Indicate option when ordering operator

## solenoid lock

### SGLOCK12V

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

## The Protector System® safety sensors 50-220\*\*

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

## wireless keypad

### WKP250LM - WKP5LM

Simple to install and simple to use, the new LiftMaster Wireless keypad offers the best the industry has to offer.

- Available in both 5 and 250 code configurations
- "One-Shot" Codes: single-use codes for visitors
- 300 to 700 foot range
- Operates for 2 years on (4) AA batteries



**Other Solar Friendly options available, please consult Customer Service for more information.**

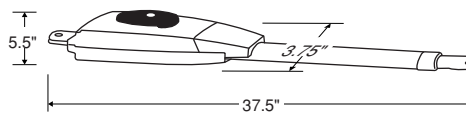
**HomeLink** COMPATIBLE with QuickTrain TECHNOLOGY. The in-vehicle universal remote control.

### RECOMMENDED CAPACITIES

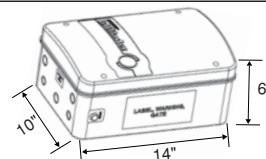
Max. Gate WT. (lbs.)	Max. Gate WIDTH (ft.)	CYCLES /DAY
550	16	see solar chart***

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

### DIMENSIONS - OPERATOR



### DIMENSIONS - CONTROL BOX



## SPECIFICATIONS

### POWER REQUIREMENT

12VDC

### DIMENSIONS

LA412 Linear Actuator Arm

Height: 5.5"  
Length: 37.5"  
Width: 3.75"

LA412 Controller Box

Height: 14"  
Depth: 6"  
Width: 10"

### OPERATOR WEIGHT

LA412 Linear Actuator

Arm: 25 lbs  
LA412 Controller  
Box: 25 lbs

### ACCESSORY POWER

Two/12VDC Outputs

Solar Friendly accessories recommended

### UL LISTED

UL325-Class I

### CONSTRUCTION

Motor: 12VDC  
aluminum housing

### MODELS AVAILABLE

LA412 – Single linear actuator arm

LA412CONT – Control box for single or master/second application

LA412-S – Second linear actuator arm with junction box and direct burial cable for all master/second applications

### ADDITIONAL OPTIONS

#### U-BOLT MOUNTING KITS

50-19509 (6" post mount kit)  
50-19511 (4" post mount kit)  
50-19512 (2.5" post mount kit)

#### TRANSMITTERS AND KEYPADS

#### SOLENOID LOCK

#### LOOP DETECTORS

#### PHOTO-EYES

#### SENSING EDGES

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THE CHAMBERLAIN GROUP, INC.  
845 Larch Avenue • Elmhurst, IL 60126  
[www.liftmaster.com](http://www.liftmaster.com)



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