

ULTIMATE ASSURANCE.

Total solutions. Complete compliance.



LMRRUL

CSL24UL

S505AL

LiftMaster

ASSURED SAFETY AND RELIABILITY. EVERY APPLICATION.

Only LiftMaster® provides an ultra-reliable UL® 325 Listed product line of gate operators and safety entrapment protection devices. Enhanced with dealers and end users in mind, the 2018 UL 325 line is easy to install and maintain and functions reliably. Give your customers ultimate assurance knowing they have a safe and reliable total gate safety solution.

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UL 325 Gate Safety



RSL12UL

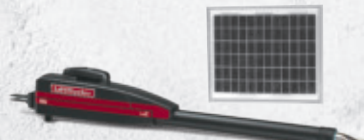
RSW12UL



LA500PKGUL



LA400PKGUL



LA412PKGUL



CSW24UL



CSL24UL



HCTDCUL



CSW200UL



SL3000UL



SL585UL



SL595UL



LMTBUL



LMRRUL



LMWEKITU



S505AL



Model Number	RESIDENTIAL GATE OPERATORS				ELITE® SERIES DC COMMERCIAL GATE OPERATORS				ELITE® SERIES AC COMMERCIAL/INDUSTRIAL GATE OPERATORS			
	LA500PKGUL	LA400PKGUL	LA412PKGUL	RS112UL	RSW12UL	CSW24UL	GSL24UL	HCTDCUL	CSW200UL	SI-3000UL	SL565UL	SL595UL
Description	24VDC Residential/ Light Commercial Linear Actuator	24VDC Residential Linear Actuator	12VDC Residential/ Light Commercial Linear Actuator	12VDC Residential/ Light Commercial Slide Gate Operator	12VDC Residential/ Light Commercial Swing Gate Operator	24VDC High-Traffic Commercial Swing Gate Operator	24VDC High-Traffic Commercial Slide Gate Operator	Specialty Overhead Operator	AC Commercial High-Traffic Swing Gate Operator	AC Commercial High-Traffic Slide Gate Operator	AC Industrial Slide Gate Operator	AC Heavy-Duty Industrial Slide Gate Operator
Battery Backup Powers up ten lifts in power & down**	500 cycles	400 cycles	114 cycles	147 cycles	146 cycles	208 cycles	112 cycles	-	-	-	-	-
Security+ 2.0® 3 Channel Receiver Virtually eliminates interference and extends range	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVO® Controls your gate from anywhere with your smartphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Monitored Safety Inputs (Color Coded)	6 Inputs (Main and Expansion Board)	3 Inputs (Main Board)	3 Inputs (Main Board)	3 Inputs (Main Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)
Exceptional Standby Power**	Up to 24 days	Up to 97 days	Up to 63 days	Up to 63 days	Up to 24 days	Up to 24 days	Up to 72 days	-	-	-	-	-
Best-in-Class Solar Performance**	Approx. 43 cycles per day	Approx. 81 cycles per day	Approx. 100 cycles per day	Approx. 33 cycles per day	Approx. 16 cycles per day	Approx. 22 cycles per day	Approx. 11 cycles per day	-	-	-	-	-
DC Motor with Smooth Start/Stop	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
Diagnostic Code Display - 2 Digit LED	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless Dual-Gate Operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Warranty Period	2 Years	2 Years	3 Years	3 Years	7 Years Res. 5 Years Comm.	7 Years Res. 5 Years Comm.	5 Years Comm.	7 Years Res. 5 Years Comm.	7 Years Res. 5 Years Comm.	2 Years	2 Years	2 Years
Max. Gate Length	18 ft.	16 ft.	25 ft.	16 ft.	18 ft.	50 ft.	12 ft. Door/Gate	1/2 HP 18 ft. 1 HP 22 ft.	1/2 HP 50 ft. 1 HP 50 ft.	1/2 HP 45 ft. 1 HP 70 ft. 2 HP 90 ft.	1 HP 70 ft. 1 1/2 HP 80 ft. 2 HP 2500 lbs.	1 HP 70 ft. 1 1/2 HP 80 ft. 2 HP 2500 lbs.
Max. Gate Weight	1600 lbs.	850 lbs.	800 lbs.	1000 lbs.	1600 lbs.	1500 lbs.	700 lbs.	1/2 HP 1000 lbs. 1 HP 1600 lbs. 1 HP 2000 lbs.	1/2 HP 1000 lbs. 1 HP 2000 lbs.	1/2 HP 1000 lbs. 1 HP 1600 lbs. 1 1/2 HP 1900 lbs.	1 HP 1700 lbs. 1 1/2 HP 2100 lbs. 2 HP 2500 lbs.	1 HP 1700 lbs. 1 1/2 HP 2100 lbs. 2 HP 2500 lbs.
Recommended Cycles	300 cycles per day	100 cycles per day	120 cycles per day	250 cycles per day	High-Cycle, High-Temperature Continuous Duty	High-Cycle, High-Temperature Continuous Duty	High-Cycle, High-Temperature Continuous Duty	High-Cycle, High-Temperature Continuous Duty	High-Cycle, High-Temperature Continuous Duty	High-Cycle, High-Temperature Continuous Duty	20 cycles per hour	25 cycles per hour
Power	115V/230V Single Phase	115V Single Phase	115V Single Phase	115V Single Phase	115V/230V Single Phase	115V/230V Single Phase	115V/230V Single Phase	115V Single Phase	115V Single Phase	115/208/230VAC, Single Phase 208/230/460VAC, 3 Phase	115/208/230VAC, Single Phase 208/230/460VAC, 3 Phase	115/208/230VAC, Single Phase 208/230/460VAC, 3 Phase

*Cycles noted are for Zone 1 with a 10W solar panel (6 hours sunlight per day).
 **When installing LMRRUL/LMTBUL heater option refer to install manual for cycles and standby time.

For specifications and information on all our products, visit LiftMaster.com/TOTALPAS
UL 325 LISTED GATE OPERATOR FEATURE CHART



LMGTCTOOSB

LA500PKGUL

24VDC RESIDENTIAL/LIGHT COMMERCIAL LINEAR ACTUATOR

Our most powerful swing gate operator.

PRODUCT HIGHLIGHTS

BATTERY BACKUP
Provides up to 500 Cycles or 24 Days of Standby Power

MyQ® TECHNOLOGY
Allows You to Securely Monitor and Control Your Gate Operator from Anywhere with the MyQ App



RELIABLE

COMMERCIAL-DUTY CAST-ALUMINUM HOUSING WITH HEAVY-DUTY DC MOTOR PERFORMS IN THE MOST DEMANDING APPLICATIONS.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND HARDWARE LIFE OF THE GATE AND OPERATOR.

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 2 YEARS.

SMART

MyQ TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

BI-PART DELAY MONITORS AND ADJUSTS SPEED AND POSITION OF EACH WING TO ENSURE PRIMARY GATE CLOSES LAST.

SOLAR-READY, ULTRA-RELIABLE SYSTEM DELIVERS POWER WHEN AND WHERE YOU NEED IT MOST.

SAFE AND SECURE

QUICK CLOSE/ANTI-TAILGATE QUICKLY SECURES PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPENED MANUALLY.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTRUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

TELEPHONE INTERCOM AND ACCESS CONTROL SYSTEM

Durable construction and secure access.



EL1SS

INTERNET GATEWAY

Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



828LM

SOLAR PANEL KIT

Uses the sun to power the operator with (2) 10W or (2) 20W solar panels.



210W/220W

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE LA500PKGUL
24VDC RESIDENTIAL/LIGHT COMMERCIAL
LINEAR ACTUATOR

LiftMaster®

MASTERFUL ENGINEERING.

MECHANICS



- 24VDC Continuous-Duty Motor
- **Operator Duty Rating:** 300 Cycles per Day
- **Wormgear Reduction:** Precision-Machined All-Metal Gear Drive

POWER



- **Full-Time AC-Run Operation** 115V/230V Single-Phase
- **Solar-Ready, Ultra-Reliable System**
Delivers Power When and Where You Need It



- **Accessory Power:** 24VDC 500mA Output

COMMERCIAL-GRADE DESIGN



- **Housing:** Commercial-Duty Cast Aluminum
- **UL® Usage Classification:** I, II, III and IV
- **Weights:**
Actuator Arm: 35 lbs.
Standard Control Box: 13 lbs.
(Includes [2] 7Ah Batteries)

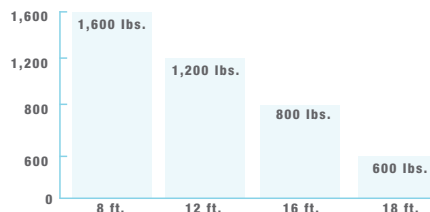


LA500CONTUL



LA500DC

RECOMMENDED CAPACITIES



XLSOLARCONTUL [NOT INCLUDED]

21.00" x 17.22" x 6.19"

TEMPERATURE SPECIFICATIONS

-4°F (-20°C) to 140°F (60°C)



GATE TRAVEL SPEED
Opens 90° in 15-17 Seconds

BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(2) 7Ah	500	24 Days
(2) 33Ah	2,781	180 Days

STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

SYNCHRONIZED CLOSE

- Simultaneously Closes Gates

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Optional Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls
(Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting



PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: 800.282.6225
Technical Support Center: 800.528.2806
To Order: 800.323.2276

LA400PKGUL

24VDC RESIDENTIAL LINEAR ACTUATOR

Our most popular swing gate operator for residential applications.

PRODUCT HIGHLIGHTS



BATTERY BACKUP

Provides up to 400 Cycles or 97 Days of Standby Power

MyQ® TECHNOLOGY

Allows You to Securely Monitor and Control Your Gate Operator from Anywhere with the MyQ App

RELIABLE

COMMERCIAL-DUTY CAST-ALUMINUM HOUSING WITH HEAVY-DUTY DC MOTOR PERFORMS IN THE MOST DEMANDING APPLICATIONS.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND HARDWARE LIFE OF THE GATE AND OPERATOR.

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 2 YEARS.

SMART

MyQ TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

BI-PART DELAY MONITORS AND ADJUSTS SPEED AND POSITION OF EACH WING TO ENSURE PRIMARY GATE CLOSES LAST.

PARTY PASS ALLOWS FOR THE GATES TO BE HELD OPEN FOR AN EXTENDED PERIOD OF TIME.

SOLAR-READY, ULTRA-RELIABLE SYSTEM DELIVERS POWER WHEN AND WHERE YOU NEED IT MOST.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPENED MANUALLY.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

WIRELESS COMMERCIAL KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW5

INTERNET GATEWAY

Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



828LM

SOLAR PANEL KIT

Uses the sun to power the operator with (2) 10W or (2) 20W solar panels.



210W/220W

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

MECHANICS



- 24VDC Continuous-Duty Motor
- **Operator Duty Rating:** 100 Cycles per Day
- **Wormgear Reduction:** Precision-Machined All-Metal Gear Drive

POWER



- 115/230V Single-Phase (Standard Control Box)
- **Solar-Ready, Ultra-Reliable System**
Delivers Power When and Where You Need It



- **Accessory Power:** 24VDC 500mA Output

COMMERCIAL-GRADE DESIGN

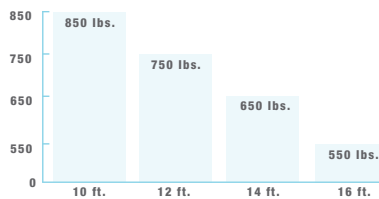


- **Housing:** Commercial-Duty Cast Aluminum
- **UL® Usage Classification:** I, II, III and IV
- **Weights:**
Actuator Arm: 19 lbs.
Standard Control Box: 13 lbs.
(Includes [2] 7Ah Batteries)

BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(2) 7Ah	400	97 Days
(2) 33Ah	3,622	180 Days

RECOMMENDED CAPACITIES



XLSOLARCONTUL

[NOT INCLUDED]
21.00" x 17.22" x 6.19"

TEMPERATURE SPECIFICATIONS

-4°F (-20°C) to 140°F (60°C)



GATE TRAVEL SPEED
Opens 90° in 15-17 Seconds



STANDARD FEATURES.

SYNCHRONIZED CLOSE

- Simultaneously Closes Gates

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Optional Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls
(Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

WITH OPTIONAL EXPANSION BOARD ONLY

QUICK CLOSE

- Closes the Gate Immediately After a Vehicle Pulls Off the Interrupt Loop

ANTI-TAILGATE

- Prevents Unauthorized Access

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator

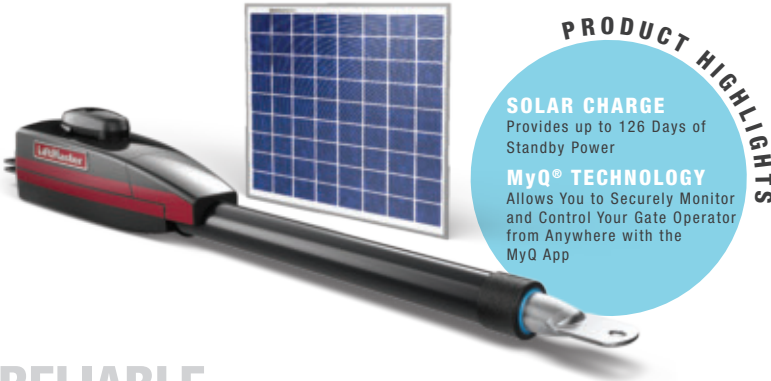


Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**

LA412PKGUL

12VDC SOLAR RESIDENTIAL LINEAR ACTUATOR

The most popular swing gate operator on the market.



PRODUCT HIGHLIGHTS

SOLAR CHARGE
Provides up to 126 Days of Standby Power

MyQ® TECHNOLOGY
Allows You to Securely Monitor and Control Your Gate Operator from Anywhere with the MyQ App

RELIABLE

HEAVY-DUTY DC MOTOR PERFORMS IN THE MOST DEMANDING APPLICATIONS.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND HARDWARE LIFE OF THE GATE AND OPERATOR.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 2 YEARS.

SMART

SOLAR-POWERED, ENERGY-EFFICIENT SYSTEM ELIMINATES EXPENSIVE TRENCHING COSTS TO PULL POWER TO THE GATE.

MyQ TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

BI-PART DELAY MONITORS AND ADJUSTS SPEED AND POSITION OF EACH WING TO ENSURE PRIMARY GATE CLOSES LAST.

RESIDENTIAL FEDERAL TAX CREDIT: QUALIFIES FOR A 30% TAX CREDIT ON SOLAR GATE OPERATORS AND INSTALLATION THROUGH 2021.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPENED MANUALLY.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

WIRELESS COMMERCIAL KEYPAD
Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPWS

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

INTERNET GATEWAY
Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



828LM

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

MECHANICS

- **12VDC** Continuous-Duty Motor
- **Wormgear Reduction:** Precision-Machined All-Metal Gear Drive

POWER

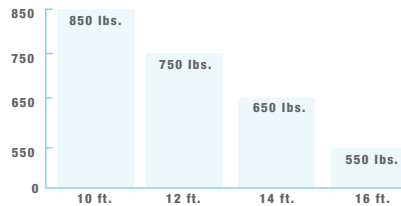
- **Solar-Powered, Ultra-Reliable System**
Accepts up to 30W 12V Solar Panels
- **Accessory Power:** 24VDC 500mA Output

COMMERCIAL-GRADE DESIGN

- **Housing:** Commercial-Duty Cast Aluminum
- **UL® Usage Classification:** I, II, III and IV
- **Weights:**
Actuator Arm: 19 lbs.
Standard Control Box: 13 lbs.
(Includes [2] 7Ah Batteries)



RECOMMENDED CAPACITIES



XLSOLARCONTUL [NOT INCLUDED]

21.00" x 17.22" x 6.19"

TEMPERATURE SPECIFICATIONS

-4°F (-20°C) to 140°F (60°C)



GATE TRAVEL SPEED
Opens 90° in 23-24 Seconds

STANDARD FEATURES.

SYNCHRONIZED CLOSE

- Simultaneously Closes Gates

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Optional Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls
(Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

WITH OPTIONAL EXPANSION BOARD ONLY

QUICK CLOSE

- Closes the Gate Immediately After a Vehicle Pulls Off the Interrupt Loop

ANTI-TAILGATE

- Prevents Unauthorized Access

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

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To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



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Technical Support Center: **800.528.2806**
To Order: **800.323.2276**

RSW12UL

12VDC RESIDENTIAL/LIGHT COMMERCIAL SWING GATE OPERATOR

Ideal for residential and light commercial gate applications.



PRODUCT HIGHLIGHT

BATTERY BACKUP

Provides up to 147 Cycles or 63 Days of Standby Power

RELIABLE

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

SOLAR-READY, ULTRA-RELIABLE SYSTEM DELIVERS POWER WHEN AND WHERE YOU NEED IT.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR AND HARDWARE LIFE.

HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

WARRANTY 3 YEARS.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

EMERGENCY DISCONNECT: SIMPLE-TO-USE RELEASE HANDLE ALLOWS GATE TO BE OPERATED MANUALLY AND MAINTAIN LIMIT POSITION ONCE REENGAGED.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS (REQUIRES OPTIONAL EXPANSION BOARD).

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMMRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

RESIDENTIAL TELEPHONE ENTRY SYSTEM

Controls access at gated entrances with 2,000 unique codes and Versa XS 4.0 software.



EL25

INTERNET GATEWAY

Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



828LM

SOLAR KIT

20W 12V solar panel kit (includes panel, batteries and harness).



20W7A/20W33A

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)

Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

MECHANICS



- 12VDC Continuous-Duty Motor
- **Operator Duty Rating:** 250 Cycles per Day
- **Wormgear Reduction:** 2 Commercial Oil-Bath Gearboxes Providing 900:1 Wormgear Reduction

POWER



- 115VAC
- **Solar-Ready, Ultra-Reliable System** Delivers Power When and Where You Need It
- **Accessory Power:** 12VDC 500mA Output

COMMERCIAL-GRADE DESIGN



- **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** High-Density, UV-Resistant Polycarbonate 2-Piece for Excellent Heat and Corrosion Resistance
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 180 lbs.

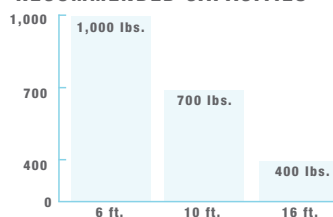
27.99"

19.63"

15.55"



RECOMMENDED CAPACITIES



BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(1) 7Ah	147	63 Days
(2) 7Ah	354	126 Days
(2) 33Ah	877	180 Days

TEMPERATURE SPECIFICATIONS



- WITHOUT HEATER:**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER (HTR)**
-40°F (-40°C) to 140°F (60°C)



GATE TRAVEL SPEED
Opens 90° in 12-15 Seconds

STANDARD FEATURES.

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

BI-PART DELAY

- Monitors and Adjusts Speed and Position of Each Wing to Ensure Primary Gate Closes Last

SYNCHRONIZED CLOSE

- Simultaneously Closes Gates

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Optional Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

RSL12UL 12VDC RESIDENTIAL/LIGHT COMMERCIAL SLIDE GATE OPERATOR

Ideal for residential and light commercial gate applications.



PRODUCT HIGHLIGHT

BATTERY BACKUP

Provides up to 114 Cycles or 63 Days of Standby Power

RELIABLE

SOLAR-READY, ULTRA-RELIABLE SYSTEM DELIVERS POWER WHEN AND WHERE YOU NEED IT.

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

WARRANTY 3 YEARS.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

POSILOCK® PREVENTS GATE FROM AN UNAUTHORIZED MANUAL OPEN.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPENED MANUALLY.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

MONITORED SMALL PROFILE RESISTIVE EDGE

Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

RESIDENTIAL TELEPHONE ENTRY SYSTEM

Controls access at gated entrances with 2,000 unique codes and Versa XS 4.0 software.



EL25

INTERNET GATEWAY

Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



8281LM

SOLAR PANEL

20W 12V solar panel kits (panel, batteries, harness).



20W7A/20W3A


*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE RSL12UL
12VDC RESIDENTIAL/LIGHT
COMMERCIAL SLIDE GATE OPERATOR



LiftMaster®

MASTERFUL ENGINEERING.


MECHANICS

-  - **12VDC** Continuous-Duty Motor
- **Operator Duty Rating:** 120 Cycles per Day
- **Wormgear Reduction:** Commercial Oil-Bath Gearbox
Providing 15:1 Wormgear Reduction
- **Chain:** #41 Black Oxide (25 ft. Supplied)

POWER

-  - **115VAC**
- **Solar-Ready, Ultra-Reliable System**
Delivers Power When and Where You Need It
-  - **Accessory Power:** 12VDC 500mA Output

COMMERCIAL-GRADE DESIGN

-  - **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** 1-Piece UV-Resistant Polyethylene Cover
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 100 lbs.

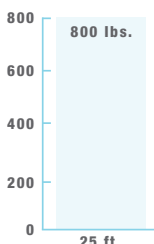
23.30"

16.76"

16.64"



CAPACITIES



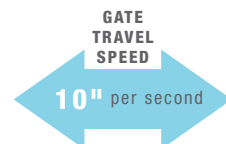
BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(1) 7Ah	114	63 Days
(2) 7Ah	281	126 Days
(1) 33Ah	710	180 Days

TEMPERATURE SPECIFICATIONS



- WITHOUT HEATER**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER (HTR)**
-40°F (-40°C) to 140°F (60°C)



STANDARD FEATURES.

SYNCHRONIZED CLOSE

- Simultaneously Closes Gates

QUICK CLOSE AND ANTI-TAILGATE

- Quickly Secure Property, Preventing Unauthorized Access (Requires Expansion Board)

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Optional Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

CSW24UL

24VDC HIGH-TRAFFIC COMMERCIAL SWING GATE OPERATOR



PRODUCT HIGHLIGHT

BATTERY BACKUP

Provides up to 146 Cycles or 24 Days of Standby Power

The first choice for heavy-traffic swing gate applications.

RELIABLE

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

WARRANTY 5 YEARS COMMERCIAL, 7 YEARS RESIDENTIAL.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SYNCHRONIZED CLOSE SIMULTANEOUSLY CLOSES GATES.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

EMERGENCY DISCONNECT: SIMPLE-TO-USE RELEASE HANDLE ALLOWS GATE TO BE OPERATED MANUALLY AND MAINTAIN LIMIT POSITION ONCE REENGAGED.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

CONNECTED ACCESS PORTAL, HIGH CAPACITY

Cloud-based access control for residential communities.



CAPXL

SOLAR KIT

210W: (2) 10W 12V solar panels; 40W33A: (2) 20W 12V panels, (2) 33Ah batteries and solar harness.



210W/40W33A

WIRELESS COMMERCIAL KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW250

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)

Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE CSW24UL
24VDC HIGH-TRAFFIC COMMERCIAL
SWING GATE OPERATOR

LiftMaster
ELITE SERIES®

MASTERFUL ENGINEERING.

MECHANICS

- **24VDC** Continuous-Duty Motor
- **Operator Duty Rating:** High-Cycle, High-Temperature Continuous Duty
- **Wormgear Reduction:** 2 Commercial Oil-Bath Gearboxes Providing 900:1 Wormgear Reduction

POWER

- **120/230VAC** Single-Phase
- **Optional Kit (3PHCONV)** to Convert an Input Voltage of 208/230/460/575VAC to an Output Voltage of 120VAC
- **Accessory Power:** 24VDC 500mA Max.
- **Solar Option Available**

COMMERCIAL-GRADE DESIGN

- **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** High-Density, UV-Resistant Polycarbonate 2-Piece for Heat and Corrosion Resistance
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 206 lbs.

27.99"

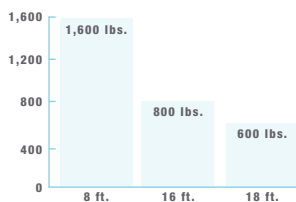
19.63" 15.55"



TEMPERATURE SPECIFICATIONS

- WITHOUT HEATER**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER (HTR)**
-40°F (-40°C) to 140°F (60°C)

CAPACITIES



BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(2) 7Ah	146	24 Days
(2) 33Ah	876	105 Days



GATE TRAVEL SPEED
Opens 90° in 13-15 Seconds

STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

BI-PART DELAY

- Monitors and Adjusts Speed and Position of Each Wing to Ensure Primary Gate Closes Last

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

CSL24UL

24VDC HIGH-TRAFFIC COMMERCIAL SLIDE GATE OPERATOR

Ideal for the most demanding slide gate environments.



PRODUCT HIGHLIGHT

BATTERY BACKUP

Provides up to 208 Cycles or 24 Days of Standby Power

RELIABLE

BATTERY BACKUP PROVIDES SEAMLESS ACCESS BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

WARRANTY 5 YEARS COMMERCIAL, 7 YEARS RESIDENTIAL.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURES THE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPENED MANUALLY.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRL

MONITORED SMALL PROFILE RESISTIVE EDGE
Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

CONNECTED ACCESS PORTAL, HIGH CAPACITY
Cloud-based access control for residential communities.



CAPXL

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

INTERNET GATEWAY
Connects MyQ-enabled gate operators to the Internet and enables control through the MyQ App.



828LM

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

MECHANICS

- **24VDC** Continuous Duty
- **Operator Duty Rating:** High-Cycle, High-Temperature Continuous Duty
- **Wormgear Reduction:** Commercial Oil-Bath Gearbox Provides 10:1 Wormgear Reduction
- **Chain:** #41 Black Oxide (30 ft. Supplied)

POWER

- **120/230V** Single-Phase
- **Optional Kit (3PHCONV)** to Convert an Input Voltage of 208/230/460/575VAC to an Output Voltage of 120VAC
- **Solar-Ready Ultra-Reliable System**
Delivers Power When and Where You Need It
- **Accessory Power:** 24VDC 500mA Output; Switched and Unswitched Power

COMMERCIAL-GRADE DESIGN

- **Chassis** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** High-Density, UV-Resistant Polycarbonate 2-Piece Cover for Excellent Heat and Corrosion Resistance
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 140 lbs.

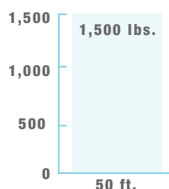


25.07"

15.55"

19.51"

SLIDE RATING



TEMPERATURE SPECIFICATIONS

WITHOUT HEATER -4°F (-20°C)		WITHOUT HEATER 140°F (60°C)
WITH HEATER (HTR) -40°F (-40°C)		WITH HEATER (HTR) 140°F (60°C)

BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(2) 7Ah	208	24 Days
(2) 33Ah	1,179	105 Days

GATE SPEED



STANDARD FEATURES.

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

POSILOCK®

- Automatically Closes the Gate When It Is Pushed from the Closed Limit

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**

HCTDCUL SPECIALTY OVERHEAD OPERATOR

Ideal for multi-unit residential parking facilities.



PRODUCT HIGHLIGHT

SMOOTH START/STOP
and Mid-Travel Reversal Ensure
Low-Maintenance Performance

**NOISE-ISOLATING
DESIGN**

Provides for Exceptionally Smooth
and Ultra-Quiet Operation

RELIABLE

BATTERY BACKUP SECURES AND SAFEGUARDS YOUR PROPERTY BY PROVIDING STANDBY POWER WHEN THE POWER IS DOWN.

HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

YELLOW ZINC DICHROMATE RAIL FINISH OFFERS MAXIMUM RUST PROTECTION.

WARRANTY 5 YEARS.

SMART

NOISE ISOLATORS PROVIDE EXCEPTIONALLY SMOOTH AND QUIET PERFORMANCE.

SELECTABLE SPEED CONTROL OPENS UP TO 11" PER SECOND, 25% FASTER THAN INDUSTRY AVERAGE, TO KEEP TRAFFIC FLOWING.

LOW-PROFILE DESIGN INSTALLS EASILY IN TIGHT APPLICATIONS AT ONLY 8" IN HEIGHT.

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

POSILOCK® AUTOMATICALLY POWERS THE OPERATOR AND RETURNS THE GATE/DOOR TO THE CLOSED POSITION WHEN PUSHED OFF THE CLOSED LIMIT.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE THE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

FIRE DEPARTMENT COMPLIANCE ALLOWS GATE/DOOR TO AUTO-OPEN UPON LOSS OF AC POWER OR BATTERY DEPLETION.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED COMMERCIAL PROTECTOR SYSTEM®

Increases entrapment protection with through-beam infrared sensors with heavy-duty housings and brackets; NEMA 4 rated; max. range: 45 ft.



CPSUN4G

SAFETY ADD-ONS:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

OPTICAL EDGE SYSTEM

Commercial door through-beam infrared optical sensors with premium rubber door edges sense obstructions. Not compatible with LMWEKITU.



OES-SD 16/24/50

TOTAL SOLUTION ACCESSORIES:

CONNECTED ACCESS PORTAL, HIGH CAPACITY

Cloud-based access control for residential communities.



CAPXL

CONNECTED ACCESS PORTAL, 2-DOOR CONTROLLER

Keypad and proximity reader functionality controls a single-entry access.



CAP2D

HIGH-TRAFFIC DC BARRIER GATE OPERATOR

Provides easy in-and-out access 24 hours a day to keep traffic flowing.



MAT

PLUG-IN LOOP DETECTOR

Identifies vehicles within the gate or door pathway.



LOOPDETLM

RED/GREEN TRAFFIC LIGHT

Assures safe entering and exiting by indicating door status.



RGL24LY

MASTERFUL ENGINEERING.

MECHANICS

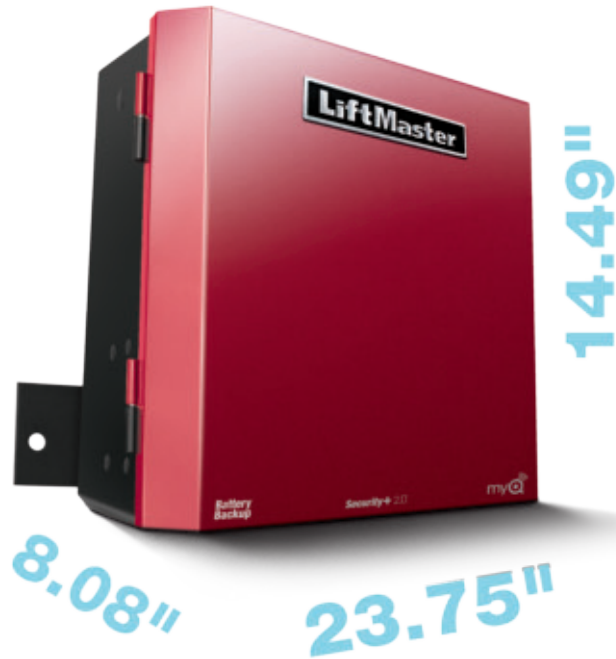
- **24VDC** Continuous-Duty Motor
- **Operator Duty Rating:** High-Cycle, High-Temperature Continuous Duty
- **Wormgear Reduction:** Oil-Bath Gearbox with 28:1 Gear Reducer

POWER

- **120/230V** Single-Phase
- **Accessory Power:** 24VDC 500mA Output

COMMERCIAL-GRADE DESIGN

- **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Trolley Assembly:** Heavy-Duty 12-Gauge Steel Track with 6 UHMW Rollers
- **UL® Usage Classification:** II, III and IV
- **Weights:**
 - Powerhead = 86 lbs.
 - HCT08—8 ft. Rail = 93 lbs.
 - HCT10—10 ft. Rail = 111 lbs.
 - HCT12—12 ft. Rail = 129 lbs.



TEMPERATURE SPECIFICATIONS

- 4°F (-20°C) to 140°F (60°C)

BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
(2) 7Ah	112	24 Days

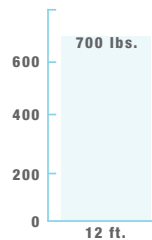


RAILS

- HCT08:** 121.5"
- HCT10:** 145.5"
- HCT12:** 169.5"

CAPACITIES

Rated for Overhead Doors or Gates with up to 12 ft. Rail or Weighing up to 700 lbs.



GATE TRAVEL SPEED

BI-PART DELAY OFF (DEFAULT) = 8 IN./SEC. OPEN SPEED*

BI-PART DELAY ON (FAST) = 11 IN./SEC. OPEN SPEED*

*Select gate travel speed using the BI-PART DELAY switch and enable a high-speed open option to help flow in high-traffic areas (open speed only).

STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

EXTERNAL ALARM RESET BUTTON

- Instantly Resets the Built-In Safety Alarm Siren

MAXIMUM-RUN TIMER

- Protects Against Damage to the Gate and Operator by Limiting the Unit's Run Time to 120 Seconds

DYNAMIC BRAKING SYSTEM

- Adds Substantial Gate Position Control at All Points of Travel



MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

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To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
 Technical Support Center: **800.528.2806**
 To Order: **800.323.2276**

CSW200UL AC HIGH-TRAFFIC COMMERCIAL SWING GATE OPERATOR

For the most demanding high-traffic swing gate environments.



PRODUCT HIGHLIGHT
CONTINUOUS-DUTY,
High-Temperature Motor

RELIABLE

LEGACY ELITE HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 5 YEARS COMMERCIAL, 7 YEARS RESIDENTIAL.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SYNCHRONIZED CLOSE SIMULTANEOUSLY CLOSES GATES.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

EMERGENCY DISCONNECT: SIMPLE-TO-USE RELEASE HANDLE ALLOWS GATE TO BE OPERATED MANUALLY AND MAINTAIN LIMIT POSITION ONCE REENGAGED.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

CONNECTED ACCESS PORTAL, HIGH CAPACITY
Cloud-based access control for residential communities.



CAPXL

WIRELESS COMMERCIAL KEYPAD
Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW250

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)
Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE CSW200UL
AC HIGH-TRAFFIC COMMERCIAL
SWING GATE OPERATOR

LiftMaster
ELITE SERIES®

MASTERFUL ENGINEERING.

MECHANICS



- **Continuous-Duty Motor** Rated for High-Cycle, High-Temperature Applications (Available in 1/2 and 1 HP)
- **Wormgear Reduction:** 2 Commercial Oil-Bath Gearboxes Providing 900:1 Wormgear Reduction

POWER



- **115V** Single-Phase
- **Accessory Power:** 24VDC 500mA Output
- **Optional Kit (3PHCONV)** to Convert an Input Voltage of 208/240/460/575VAC to an Output Voltage of 115VAC

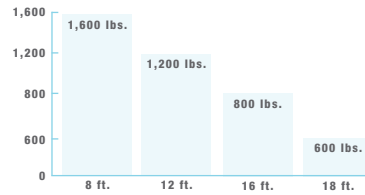
COMMERCIAL-GRADE DESIGN



- **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** High-Density, 2-Piece UV-Resistant Polyethylene Cover (1/2 HP CSW200501UL)
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 175 lbs.

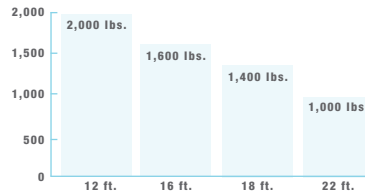
1/2 HP CSW200501UL

CAPACITIES



1 HP CSW200101UL

CAPACITIES



TEMPERATURE SPECIFICATIONS



- WITHOUT HEATER**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER (HTRNB)**
-40°F (-40°C) to 140°F (60°C)



GATE TRAVEL SPEED
Opens 90° in 13-15 Seconds

STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

BI-PART DELAY

- Monitors and Adjusts Speed and Position of Each Wing to Ensure Primary Gate Closes Last

MECHANICAL LIMIT SYSTEM

- Maintains Accurate Gate Position Throughout Gate Travel, Even After Using Manual Disconnect

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



SL3000UL AC HIGH-TRAFFIC COMMERCIAL SLIDE GATE OPERATOR

The first choice for heavy-traffic applications.



PRODUCT HIGHLIGHT
CONTINUOUS-DUTY,
High-Temperature Motor

RELIABLE

LEGACY ELITE HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

LIMIT SWITCH DESIGN PROVIDES PRECISION LIMIT ACCURACY AND RELIABILITY.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 5 YEARS COMMERCIAL, 7 YEARS RESIDENTIAL.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPENING/CLOSING AND ELIMINATES EXPENSIVE DRIVEWAY TRENCHING COSTS.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

PRE-MOTION WARNING ALARM ACTIVATES ON-BOARD ALARM 3 SECONDS PRIOR TO GATE MOTION.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPERATED MANUALLY.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

UL® LISTED GATE OPERATORS WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICES.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

MONITORED SMALL PROFILE RESISTIVE EDGE
Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

TELEPHONE ENTRY FOR COMMERCIAL APPLICATIONS AND GATED COMMUNITIES
Mid-capacity telephone entry access control system with Versa XS 4.0 software.



EL2000SS

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)
Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

MECHANICS



- **Continuous-Duty Motor with Class H Insulation** Is Rated for High-Cycle, High-Temperature Applications (Available in 1/2 and 1 HP)
- **Operator Duty Rating:** Continuous Duty
- **Wormgear Reduction:** Commercial Oil-Bath Gearbox Providing 30:1 Wormgear Reduction
- **Chain:** #41 Black Oxide (25 ft. Supplied)

POWER



- **115V** Single-Phase
- **Accessory Power:** 24VDC 500mA Output
- 2 Auxiliary Outlets
- Optional Kit (3PHCONV) to Convert an Input Voltage of 208/240/480/575VAC to an Output Voltage of 115VAC

COMMERCIAL-GRADE DESIGN



- **Chassis:** Constructed with 1/4 in. Gold Zinc-Plated Steel for Rust Prevention
- **Cover:** High-Density, UV-Resistant, 1-Piece Polyethylene Plastic for Excellent Heat and Corrosion Resistance
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 140 lbs.



26.51"

18.14"

20.39"

[SL3000101UL AND SL3000501UL HAVE THE SAME DIMENSIONS]

CAPACITIES



TEMPERATURE SPECIFICATIONS



- WITHOUT HEATER**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER (HTRNB)**
-40°F (-40°C) to 140°F (60°C)

GATE TRAVEL SPEED

12" per second

STANDARD FEATURES.

EXTERNAL ALARM RESET BUTTON

- Instantly Resets the Built-In Safety Alarm Siren

MECHANICAL LIMIT SYSTEM

- Maintains Accurate Gate Position Throughout Gate Travel, Even After Using Manual Disconnect

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

SL585UL AC HEAVY-DUTY INDUSTRIAL SLIDE GATE OPERATOR

Reliable gear-driven slide gate operator for commercial and industrial applications.



PRODUCT HIGHLIGHT

HEAVY-DUTY,
Industrial Lockable
Metal Cover

RELIABLE

HEAVY-DUTY COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 2 YEARS.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

UNIVERSAL FOOTPRINT SIMPLIFIES RETROFIT APPLICATIONS BY ADAPTING TO PREEXISTING PADS.

HOMELINK® COMPATIBLE (VERSION 4.0 AND HIGHER).

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPERATED MANUALLY.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

LOCKOUT/TAGOUT FEATURE PREVENTS POWER FROM BEING SWITCHED ON WHEN SERVICING OPERATOR AND SAFEGUARDS WORKERS FROM HIGH-VOLTAGE POWER.

AUTOMATIC SOLENOID BRAKE PREVENTS THE GATE FROM BEING BACK DRIVEN.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMMRUL

MONITORED SMALL PROFILE RESISTIVE EDGE
Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

TELEPHONE ENTRY FOR COMMERCIAL APPLICATIONS AND GATED COMMUNITIES
Mid-capacity telephone entry access control system with Versa XS 4.0 software.



EL2000SS

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)
Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE SL585UL
AC HEAVY-DUTY INDUSTRIAL SLIDE
GATE OPERATOR

LiftMaster®
ELITE SERIES®

MASTERFUL ENGINEERING.

MECHANICS

- **High-Starting Torque** Continuous-Duty Motor (Available in 1/2, 1 and 1 1/2 HP)
- **Operator Duty Rating:** 20 Cycles per Hour
- **Wormgear Reduction:** 20:1 Wormgear Reducer
- **Adjustable Friction Clutch:** Helps to Protect Gate and Operator from Damage Should the Gate Meet an Obstruction
- **Chain:** #50 Nickel-Plated (25 ft. Supplied)

POWER

- **115/208/230VAC Single-Phase;** 208/230/460/575VAC 3-Phase (575V Includes Factory-Installed Heater)
- **Accessory Power:** 24VDC 500mA Max.
- **Dual-Voltage Connections:** Increase Flexibility by Enabling the Installer to Select the Required Voltage, Within Phase, to Meet Job-Site Requirements

COMMERCIAL-GRADE DESIGN

- **Chassis:** Heavy-Duty Steel Chassis and Lockable Powder-Coated Steel Cover Withstand Extreme and Harsh Environments
- **Cover/Frame:** Weather-Resistant, Lockable, 16-Gauge Steel; 7-Gauge Pre-Galvanized Steel Frame
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 240 lbs.

CAPACITIES

HP	Max. Gate WT. (lbs.)	Max. Gate Width (ft.) (Overhead/V-Groove)	Max. Gate Width (ft.) (Cantilever)	Cycles/HR
1/2	1,000	45	25	20
1	1,600	70	35	20
1 1/2	1,900	75	40	20

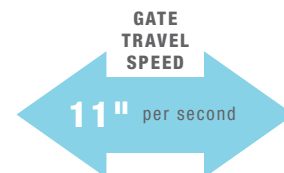
38.02"



30.63"

17.30"

TEMPERATURE SPECIFICATIONS	WITHOUT HEATER
	-4°F (-20°C) to 140°F (60°C)
WITH OPTIONAL HEATER	-40°F (-40°C) to 140°F (60°C)
<small>(HTRNB—HTR460 FOR 460V OPERATORS)</small>	



STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

EXTERNAL ALARM RESET BUTTON

- Instantly Resets the Built-In Safety Alarm Siren

MAXIMUM RUN TIMER

- Protects Against Damage to the Gate and Operator by Limiting the Unit's Run Time to 120 Seconds

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

MECHANICAL LIMIT SYSTEM

- Maintains Accurate Gate Position Throughout Gate Travel, Even After Using Manual Disconnect

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD

RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



SL595UL AC HEAVY-DUTY INDUSTRIAL SLIDE GATE OPERATOR

Extreme heavy-duty operator for industrial locations.



PRODUCT HIGHLIGHT

HEAVY-DUTY,
Industrial Lockable
Metal Cover

RELIABLE

COMMERCIAL GEAR-DRIVEN TRANSMISSION PROVIDES UNSURPASSED RELIABILITY.

HEAVY-DUTY STEEL LOCKABLE NEMA 3R ENCLOSURE: OIL-TIGHT, WEATHERPROOF CABINET WITHSTANDS EXTREME AND HARSH ENVIRONMENTS.

SURGE SUPPRESSION PROVIDES INDUSTRIAL SURGE AND LIGHTNING PROTECTION AGAINST STRIKES UP TO 50 FEET AWAY.

WARRANTY 2 YEARS.

SMART

MyQ® TECHNOLOGY ENABLES YOU TO SECURELY CONTROL AND MONITOR YOUR GATE OPERATOR FROM ANYWHERE.

SIMPLIFIED MOUNTING AND WIRING ROUTING FOR EASIER INSTALLATIONS.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS ACCESS WITH AN ENCRYPTED TRI-BAND SIGNAL TO VIRTUALLY ELIMINATE INTERFERENCE AND OFFER EXTENDED RANGE.

MANUAL DISCONNECT WHEN UNLOCKED ALLOWS GATE TO BE OPERATED MANUALLY.

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURE PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

INHERENT REVERSING SENSOR DETECTS OBSTRUCTIONS AND REVERSES GATE WHEN CLOSING OR STOPS/REVERSES THE GATE WHEN OPENING.

MECHANICAL BRAKING SYSTEM: THIS SOLENOID-ACTUATED BRAKE SYSTEM ADDS SUBSTANTIAL GATE POSITION CONTROL AT ALL POINTS IN TRAVEL AND PREVENTS THE GATE FROM BEING BACK DRIVEN.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE
Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRL

MONITORED SMALL PROFILE RESISTIVE EDGE
Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

SAFETY ADD-ONS:

MONITORED THROUGH-BEAM PHOTO EYES
Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT
Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LWWEKITU

MONITORED SAFETY ENTRAPMENT EDGES
Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

TELEPHONE ENTRY FOR COMMERCIAL APPLICATIONS AND GATED COMMUNITIES
Mid-capacity telephone entry access control system with Versa XS 4.0 software.



EL2000SS

PLUG-IN LOOP DETECTOR
Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

IN-GROUND TRAFFIC SPIKE SECTION (6 FT.)
Standard-duty, in-ground manual traffic spikes. 6 ft. sections come in different finishes.



11600

*Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE SL595UL
AC HEAVY-DUTY INDUSTRIAL SLIDE
GATE OPERATOR

LiftMaster®
ELITE SERIES®

MASTERFUL ENGINEERING.

MECHANICS

- **High-Starting Torque** Continuous-Duty Motor (Available in 1, 1 1/2 and 2 HP)
- **Operator Duty Rating:** 25 Cycles per Hour
- **Wormgear Reduction:** 20:1 Wormgear Reducer
- **Mechanical Limit System:** Maintains Accurate Gate Position Throughout Travel, Even After Using Manual Disconnect
- **Adjustable Friction Clutch:** Helps to Protect Gate and Operator from Damage Should the Gate Meet an Obstruction
- **Chain:** #50 Nickel-Plated (25 ft. Supplied)

POWER

- **115/208/230VAC Single-Phase;** 208/230/460/575VAC 3-Phase (575V Includes Factory-Installed Heater)
- **Accessory Power:** 24VDC 500mA Max.
- **Dual-Voltage Connections:** Increase Flexibility by Enabling the Installer to Select the Required Voltage, Within Phase, to Meet Job-Site Requirements

COMMERCIAL-GRADE DESIGN

- **Metal Frame:** 7-Gauge Pre-Galvanized Steel
- **Maximum Run Timer:** Protects Against Damage to the Gate and Operator by Limiting the Unit's Run Time to 120 Seconds
- **Cover:** Powder-Coated, Pre-Galvanized 16-Gauge Steel Oil-Tight, Weatherproof NEMA 3R Lockable Cabinet
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 270 lbs.



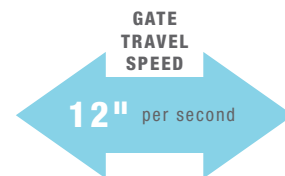
CAPACITIES

HP	Max. Gate WT. (lbs.)	Max. Gate Width (ft.) (Overhead/V-Groove)	Max. Gate Width (ft.) (Cantilever)	Cycles/HR
1	1,700	70	35	25
1 1/2	2,100	80	40	25
2	2,500	90	45	25

TEMPERATURE SPECIFICATIONS



- WITHOUT HEATER**
-4°F (-20°C) to 140°F (60°C)
- WITH OPTIONAL HEATER**
(HTRNB—HTR460 FOR 460V OPERATORS)
-40°F (-40°C) to 140°F (60°C)



STANDARD FEATURES.

PRE-MOTION WARNING ALARM

- Activates On-Board Alarm 3 Seconds Prior to Gate Motion

EXTERNAL ALARM RESET BUTTON

- Instantly Resets the Built-In Safety Alarm Siren

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



Sales Support: **800.282.6225**
Technical Support Center: **800.528.2806**
To Order: **800.323.2276**



*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.

LMRRUL/LMTBUL MONITORED PHOTO EYES

Photo eye and reflector with polarized beam.

PRODUCT HIGHLIGHT
INTEGRATED DIAGNOSTICS
with Our 2018 UL®
325 Gate Operators



RELIABLE

VERSATILE SOLUTION FOR ENTRAPMENT PROTECTION.

LONG-RANGE SENSING DISTANCE OF UP TO 50 FT. (LMRRUL)
OR 90 FT. (LMTBUL).

BUILT-IN HEATER FOR DEPENDABLE PERFORMANCE IN MOST ENVIRONMENTS.

INCREASED BEAM ANGLE FOR SIMPLE, RELIABLE ALIGNMENT.

VERSATILE GIMBLE BRACKET FOR FINE ALIGNMENT AND ADJUSTABILITY.

WARRANTY 2 YEARS.

SMART

ALIGNMENT STRENGTH INDICATOR SIGNALS OPTIMAL BEAM ALIGNMENT.

MULTI-VIEW LED LIGHTS INDICATE SENSOR STATUS,
SIMPLIFYING INSTALLATION.

WIRELESS NETWORK CAPABILITY ELIMINATES THE NEED TO WIRE BETWEEN OPERATORS IN DUAL-GATE APPLICATIONS (LMTBUL).

SAFE AND SECURE

SECURE MOUNTING HARDWARE FOR VERSATILE PERFORMANCE IN HARSH APPLICATIONS.

HOODS INCLUDED FOR DURABILITY AND SHIELD FROM ELEMENTS.

NEMA 4X RATED FOR SUPERIOR WEATHER RESISTANCE.

UL RECOGNIZED: TESTED AND EVALUATED BY UL AND MEET UL 325 REQUIREMENTS.

SAFETY ADD-ONS:

MONITORED SMALL PROFILE RESISTIVE EDGE

Pressure-sensitive edge stops and/or reverses gate when obstructed.



\$505AL

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED WIRELESS EDGE TRANSMITTER

Features 2 unique configurable open/close edge inputs to expand protection of your system up to 8 entrapment zones.



LMWETXU

WIRELESS KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW5

*Wireless kit for up to 4 resistive edge transmitters and 2 resistive edges per transmitter.

MASTERFUL ENGINEERING.

QUALITY-GRADE DESIGN



Cover:

- Stainless-Steel Sensor Hood
- Durable Polycarbonate Reflector Hood
- Powder-Coated Galvanized Mounting Brackets

Weight:

- LMRRUL: 3.3 lbs.
- LMTBUL: 4.3 lbs.

TEMPERATURE SPECIFICATIONS



-40°F (-40°C) to 149°F (65°C)



Photo Eye with Hood*
[Photo Eye without Hood: 4.56" H x 2.35" W x 1.97" D]

DIAGNOSTICS

LMRRUL:

- Solid Blue—Optimal Alignment
- Blinking Blue—LED Blinks Faster to Indicate Near Alignment
- Solid Red—Misaligned or Obstructed

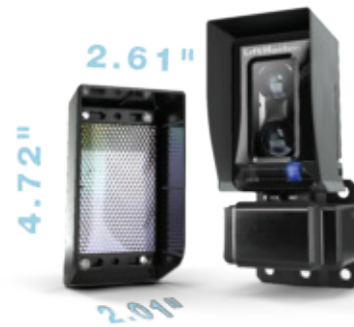
LMTBUL:

Emitter:

- Solid Blue—Power On

Receiver:

- Solid Blue—Optimal Alignment
- Blinking Blue—LED Blinks Faster to Indicate Near Alignment
- Solid Red—Misaligned or Obstructed



Reflector with Hood

*LMRRUL and LMTBUL sensor dimensions are similar, but the 2 products are not compatible with each other.

STANDARD FEATURES.

INPUT VOLTAGE AND CURRENT DRAW

Sensor:

- Black/Red Wires: 6.8V DC, 20mA

Heater:

- Green/White Wires: 10–40V DC or 8–28V AC, 2 Watts Max., 170mA at 120V DC/AC, 85mA at 24V DC/AC

MONITORING TECHNOLOGY

- Pulsed System

INTERFACE

- 4-Wire Connection (2 for Eye; 2 for Heater)



SENSOR COMPATIBILITY

- LMRRUL Emitter Is Not Interchangeable with LMTBUL Emitter

INCLUDES

- Brackets, Hardware and 10 ft. Wire and Hoods

SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates

To Find the Right Perimeter Access Solution for You, Visit LiftMaster.com/Solution-Generator



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To Order: 800.323.2276

L50/L504AL/L505AL/L506AL
S50/S504AL/S505AL/S506AL

MONITORED RESISTIVE STANDARD EDGES

Small profile and large profile monitored resistive edges.

PRODUCT HIGHLIGHT

CUSTOMIZABLE
OR FIXED LENGTHS

for Use in Any
Application



RELIABLE

VERSATILE SOLUTION FOR VIRTUALLY ANY ENVIRONMENT.

WARRANTY 2 YEARS.

SMART

HIGHLY COMPATIBLE WITH WIRELESS OR HARDWIRED GATE APPLICATIONS.

LARGE PROFILE EDGES OFFER AN ADDITIONAL CONTACT SURFACE.

SMALL PROFILE EDGES ARE IDEAL FOR LOW-CLEARANCE APPLICATIONS.

FIXED OR CUSTOMIZABLE LENGTHS ARE AVAILABLE FOR PRECISION INSTALLATION AND PROTECTION.

INTEGRATED DIAGNOSTICS WITH LIFTMASTER® UL® 325 GATE OPERATORS TO SPEED INSTALL AND TROUBLESHOOTING.

SAFE AND SECURE

PRESSURE-SENSITIVE EDGE SENDS SIGNAL TO STOP AND/OR REVERSE GATE OPERATION WHEN SENSING OBSTRUCTIONS.

UL RECOGNIZED: TESTED AND EVALUATED BY UL AND MEET UL 325 REQUIREMENTS.

SAFETY ADD-ONS:

MONITORED SMALL PROFILE RESISTIVE EDGE

Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMRRL

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

TOTAL SOLUTION ACCESSORIES:

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMEKITU

MONITORED WIRELESS EDGE TRANSMITTER

Features 2 unique configurable open/close edge inputs to expand protection of your system up to 8 entrapment zones.



LMWETXU

WIRELESS KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW5

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges that sense obstructions.



EDGES

*Wireless kit for up to 4 resistive edge transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE L50/L504AL/L505AL/
L506AL S50/S504AL/S505AL/S506AL
MONITORED RESISTIVE STANDARD EDGES

LiftMaster®

MASTERFUL ENGINEERING.

L50/L504AL/L505AL/L506AL
S50/S504AL/S505AL/S506AL

MONITORED RESISTIVE STANDARD EDGES

POWER



- **Electrical Capacity:** 24V 100mA
- **Electrical Diagram:** 2-Wire N.O. Configuration

QUALITY-GRADE DESIGN



- **Outdoor Rating:** IP65
- **Material:** TPE Rubber
- **Compatibility:** All LiftMaster® Gate Operators with Burgundy Boards, Wireless Edge Kit (LMWEKITU) and Monitored Wireless Edge Transmitter (LMWETXU) Only

SHIPPING WEIGHT

L50 and S50:	L504AL: 2.8 lbs.	S504AL: 2.5 lbs.
50 lbs.	L505AL: 3.4 lbs.	S505AL: 3.1 lbs.
	L506AL: 4.1 lbs.	S506AL: 3.7 lbs.

EDGE LENGTH:

- L504AL: 4 ft.
- L505AL: 5 ft.
- L506AL: 6 ft.
- S504AL: 4 ft.
- S505AL: 5 ft.
- S506AL: 6 ft.

TEMPERATURE SPECIFICATIONS



-40°F (-40°C) to 149°F (65°C)



Large Profile Edge



Small Profile Edge

Only LiftMaster Monitored Photo Eyes or Edge Sensors may be used with LiftMaster operators to meet UL® 325 Standards.

CUSTOMIZE YOUR OWN LIFTMASTER MONITORED RESISTIVE STANDARD EDGE

1. CHOOSE THE PROFILE THAT FITS YOUR APPLICATION NEEDS.

Large Profile Edge 82 ft. Roll (L50)
Small Profile Edge 82 ft. Roll (S50)

2. PICK THE END CAPS.

- End Caps for L50 and S50 (L50E, S50E)
- Universal 2-Wire Configuration
- Pack of 10 Pairs

3. SELECT THE MOUNTING CHANNEL.

(Fits Large and Small Profile Edges)

- Aluminum Channel 10 ft. (L50CHAL)
- 0.55" H x 1" W
- Pack of 8
- Plastic Channel 8 ft. (L50CHP)
- 0.55" H x 1" W
- Pack of 10

Assemble edge within minutes with easy plug-in system; no glue is required.



SUPPORT.



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To Order: **800.323.2276**

MONITORED WIRELESS EDGE SYSTEM

Monitored Wireless Edge Kit and Monitored Wireless Edge Transmitter.



RELIABLE

VERSATILE SOLUTION FOR VIRTUALLY ANY ENVIRONMENT.

BLUETOOTH® TECHNOLOGY PROVIDES INDUSTRY-LEADING POWER EFFICIENCY FOR 2-YEAR BATTERY LIFE.

LOW-BATTERY INDICATOR SIGNALS WHEN REPLACEMENT IS NEEDED.

NEMA 4X RATED TO WITHSTAND TOUGH OUTDOOR ENVIRONMENTS.

WARRANTY 2 YEARS.

SMART

MULTICHANNEL BLUETOOTH TRANSMISSION ELIMINATES INTERFERENCE AND PROVIDES UP TO 130 FT. RANGE.

HIGH-CAPACITY EDGE RECEIVER ACCEPTS UP TO 4 TRANSMITTERS, AND EACH TRANSMITTER ACCEPTS UP TO 2 WIRED EDGES.

WIRELESS TRANSMITTER FEATURES 2 UNIQUE CONFIGURABLE OPEN/CLOSE EDGE INPUTS.

FAST AND EASY TO PAIR TRANSMITTER AND RECEIVER VIA SMART BUTTON.

NON-POLARIZED EDGE INPUTS FOR EASE OF INSTALLATION.

INTEGRATED DIAGNOSTICS WITH LIFTMASTER® UL® 325 GATE OPERATORS TO SPEED INSTALL AND TROUBLESHOOTING.

SAFE AND SECURE

PRESSURE-SENSITIVE EDGE SENDS SIGNAL TO STOP AND/OR REVERSE GATE OPERATION WHEN SENSING OBSTRUCTIONS.

FLEXIBLE EXPANSION ENSURES PROTECTION OF UP TO 8 ENTRAPMENT ZONES (LMWETXU).

UL RECOGNIZED: TESTED AND EVALUATED BY UL AND MEETS UL 325 REQUIREMENTS.

SAFETY ADD-ONS:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Enhanced retro-reflective photo eye now with heater and wider polarized beam, engineered to stay aligned; max. range: 50 ft.



LMMRUL

MONITORED THROUGH-BEAM PHOTO EYES

Enhanced through-beam now with wider polarized beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

TOTAL SOLUTION ACCESSORIES:

MONITORED SMALL PROFILE RESISTIVE EDGE

Pressure-sensitive edge stops and/or reverses gate when obstructed.



S505AL

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small, Large and Wraparound Profile Edges sense obstructions.



EDGES

WIRELESS KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW5

MASTERFUL ENGINEERING.

QUALITY-GRADE DESIGN



- **Long-Range Sensing Distance:** 130 ft. (39.6 m)
- **Outdoor Rating:** NEMA 4X
- **Diagnostics:** Integrated with Our UL® 325 Gate Operators
- **Compatibility:** All LiftMaster® Gate Operators with Burgundy Boards and LiftMaster Monitored Resistive Edges Only

Weight:

- LMWEKITU: 3.3 lbs.
- LMWETXU: 0.9 lbs.

TEMPERATURE SPECIFICATIONS



-40°F (-40°C) to 149°F (65°C)

WIRING:

LMWEKITU

Receiver Connects Directly to Main or Expansion Board (Harness Included); Does Not Require Separate Power

LMWETXU

Connects Resistive Edges to Open/Close Edge Inputs on Transmitter; Polarity Not Important When Wiring Edges

CURRENT DRAW:

LMWEKITU

Receiver: 5.8mA for a 24V System; 12.0mA for a 12V System

LMWETXU

N/A

DIAGNOSTICS

LMWEKITU

Transmitter:

- Red—Flashes if Edge Is Contacted or Obstructed

Receiver:

- Blue—Powered
- Red—Flashes if Edge Is Contacted or Obstructed; Solid During Learn Process

LMWETXU

Transmitter:

- Red—Flashes if Contacted or Obstructed



STANDARD FEATURES.

VOLTAGE

- 6.8V DC (LMWEKITU)

INTERFACE

- 2-Wire Connection

SOLAR COMPATIBILITY

- 12mA Power Draw

LOW-POWER INDICATOR

- Gate Operator Beeps Twice When Transmitter Battery Is Low

INCLUDES

- LMWEKITU: (1) Transmitter, (1) Receiver, (2) AA Lithium Batteries, (1) Interface Board, Mounting Bracket Hardware
- LMWETXU: (1) Transmitter, (2) AA Lithium Batteries, Mounting Bracket Hardware

BATTERY

- Two-Year-Life (AA) Lithium Battery

SUPPORT.



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WR4 / WR5 / WR6 / WS4 / WS5 / WS6 MONITORED RESISTIVE WRAPAROUND EDGES

Round and square profile.

PRODUCT HIGHLIGHT

EASY TO SECURE
to a Round or Square Post without Adding a Channel



RELIABLE

VERSATILE SOLUTION FOR VIRTUALLY ANY ENVIRONMENT.

WARRANTY 2 YEARS.

SMART

HIGHLY COMPATIBLE WITH WIRELESS OR HARDWIRED SLIDE GATE APPLICATIONS.

INTEGRATED DIAGNOSTICS WITH LIFTMASTER® UL® 325 GATE OPERATORS TO SPEED INSTALL AND TROUBLESHOOTING.

SAFE AND SECURE

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UL RECOGNIZED: TESTED AND EVALUATED BY UL AND MEET UL 325 REQUIREMENTS.

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LMTBUL

TOTAL SOLUTION ACCESSORIES:

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster Monitored Resistive Edge and the gate operator; max. range: 130 ft.*



LMWEKITU

MONITORED WIRELESS EDGE TRANSMITTER

Features 2 unique configurable open/close edge inputs to expand protection of your system up to 8 entrapment zones.



LMWETXU

WIRELESS KEYPAD

Provides constant pressure override to control gate operator if safety devices fault yet are free of obstructions. Hold Open/Party Pass enabled with gate operator firmware 4.2 or higher.



KPW5

*Wireless kit for up to 4 resistive edge transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE WR4 / WR5 / WR6 /
WS4 / WS5 / WS6
MONITORED RESISTIVE WRAPAROUND EDGES

LiftMaster®

POWER

- **Electrical Capacity:** 24V 100mA
- **Electrical Diagram:** 2-Wire N.O. Configuration

QUALITY-GRADE DESIGN

- **Outdoor Rating:** IP65
- **Material:** TPE Rubber
- **Compatibility:** All LiftMaster® Gate Operators with Burgundy Boards, Wireless Edge Kit (LMWEKITU) and Wireless Edge Transmitter (LMWETXU) Only

SHIPPING WEIGHT:

- WR4 and WS4: 8.8 lbs.
- WR5 and WS5: 11 lbs.
- WR6 and WS6: 13.2 lbs.

EDGE LENGTH:

- WR4 and WS4: 4 ft.
- WR5 and WS5: 5 ft.
- WR6 and WS6: 6 ft.
- Cable Length: 39 in.

TEMPERATURE SPECIFICATIONS

-40°F (-40°C) to 149°F (65°C)



Round Profile (for 1.6–2.3 in. Round Posts):
3.8" x 2.8"



Square Profile (for 2 in. Square Posts):
3.8" x 2.6"

Only LiftMaster Monitored Photo Eyes or Edge Sensors may be used with LiftMaster operators to meet UL® 325 Standards.

Wraparound Edges can be used with slide gate applications only.

**SUPPORT.**

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Operator Manufacture Year: Frequency Code:	1993-Present DIP Capable	1993-1995 Billion Code 390MHz	1996-2005 Security+® 390MHz	2006-2014 Security+ 315MHz	2012+ Security+2.0® 310, 315, 390MHz
2018 UL 325 Compliant Gate Operators					
LA400PKGUL, LA412PKGUL, LA500PKGUL, RSL12UL, RSW12UL, CSL24UL, CSW24UL, CSW200UL, SL3000UL, SL585UL, SL595UL, HCTDCUL	✓ 811LM Tri-Band				✓ (Q3 2018)
2016 UL 325 Compliant Gate Operators with On-Board Receiver					
LA400PKGU · LA412PKGU · LA500PKGU · RSL12U, RSW12U CSL24U · CSW24U · CSW200 · SL3000 · SL585 · SL595 · HCTDCU	✓ 811LM Tri-Band				✓ (Q4 2015)
Discontinued Gate Operators					
2014 Gate Operators with On-Board Receiver					
LA4001PKGDC, LA4121PKGDC, LA5001PKGDC · RSL12VDC, RSW12VDC, CSL24VDC, CSW24VDC	✓ 811LM Tri-Band				✓ 2014
Gate Operators with 850LM Radio Hard Wired in					
SL3000UL8, CSW200UL8 · SL585, SL595 · HCT BG, MAT, MAST, MA, MAS	✓ 811LM Tri-Band				✓
Miracle One™, LA100 · SW420, SW470, SW490 · MSW, MSL, MSLX, SL575, SL930, VSL595 · HS670 Operators with 312HM Receiver Built-In Models End in G3, UL3, or H3. Operators with 412HM Receiver Built-In Models End in G, UL, or H.	✓ 361LM - 315 MHz ✓ 61LM - 390 MHz		✓ 412HM	✓ 312HM	
CAME by LiftMaster BX243* FROG * FERNI	✓ 811LM Tri-Band				✓
Gate Operators with On-Board Receiver					
LA400, LA412 - RSL12V, RSW12V	✓ 361LM			✓	
LA500 - CSW200UL8, SL3000UL8 - CSL24V, CSW24V	✓ 811LM Tri-Band				✓
Receivers					
STAR1000 Commercial Access Control Receiver	✓ 811LM Tri-Band				✓
860LM Weather-Tight Universal Receiver	✓ 811LM Tri-Band				✓

✓ = Compatible

Tri-Band = Delivered on 310/390/315 MHz

See **Radio Accessories** on the reverse side.

Technology Available/Manufacture Year: Frequency Code:	1993-Present DIP Capable	1993-1995 Billion Code 390MHz	1996-2005 Security+® 390MHz	2006-2014 Security+ 315MHz	2012+ Security+2.0® 310, 315, 390MHz
892LT 2-Button Learning Remote Control	✓ Clones 61LM, 361LM, 811LM		✓	✓	✓
894LT 4-Button Learning Remote Control	✓ Clones 61LM, 361LM, 811LM		✓	✓	✓
811LM 1-Button DIP Style Remote Control	✓ 2012 - Present				
813LM 3-Button DIP Style Remote Control	✓ 2012 - Present				
891LM 3-Button Remote Control					
893MAX 3-Button Remote Control		✓	✓	✓	✓
371LM 1-Button Remote Control				✓	
373LM 3-Button Remote Control				✓	
375UT 2-Button Universal Remote Control	✓ 1993-2012	✓	✓	✓	✓
61LM 1-Button Remote Control (DIP Coded)	✓ 390 MHz 1993-2005		✓		
361LM 1-Button Remote Control (DIP Coded)	✓ 315 MHz 2006-2015			✓	
PPV3M 3-Button Passport MAX Visor Remote Control					✓
PPLV1-10/PPLV1-100 1-Button Passport Lite Visor Remote Control					✓
KEYCHAIN REMOTE CONTROLS					
890MAX 3-Button Mini Remote Control		✓	✓	✓	✓
374UT Mini Universal Remote Control		✓	✓	✓	✓
PPK3M 3-Button Passport MAX Mini Keychain Remote Control			✓	✓	✓
PPLK1-10/PPLK1-100 1-Button Passport Lite Mini Keychain Proximity Remote Control					✓
PPK3PHM 3-Button Passport MAX Mini Keychain Proximity Remote Control			✓	✓	✓
PPLK1PH-10/PPLK1PH-100 1-Button Passport Lite Mini Keychain Proximity Remote Control					✓
WIRELESS KEYLESS SYSTEM					
877MAX Wireless Keyless Entry		✓	✓	✓	✓
877LM Wireless Keyless Entry					✓
KPW250 Wireless Commercial Keypad (250 Code)			✓	✓	✓
KPW5 Wireless Commercial Keypad (5 Code)					✓

SOLAR GATE CYCLES PER DAY REFERENCE GUIDE

LiftMaster Solar Gate Operators feature a best-in-class power management system that delivers power when needed most to operate the gate while minimizing power consumption at all other times. Power is provided to the gate operator via batteries. The batteries are charged from a solar panel(s) connected to the operator. The number of solar panels required is determined by whether the application is for a single or dual-gate, daily cycle rate, control board current consumption by feature and accessory, and region of the country.

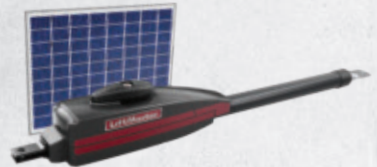
Solar panel(s) must be located in an open area clear of obstructions and shading for the entire day. Snow, heavy fog or heavy rain affect solar panel performance and charge rate. Solar panels should be cleaned regularly to ensure proper operation. LiftMaster Gate Operators utilizing the solar option in cold weather climates where temperatures reach below -32°F (0°C) for more than 2 consecutive weeks require 33Ah batteries in lieu of standard 7Ah batteries. This is due to the effect of cold weather on batteries and a reduced number of hours of sunlight during the winter months. (see back page for details)



HCTDCUL



LA500PKGUL



LA412PKGUL



LA400PKGUL



CSW24UL



CSL24UL



RSW24UL



RSL24UL

LA500PKGUL / LA400PKGUL



Current consumption by control board feature 24V (LA500PKGUL, LA400PKGUL) configurations. Add up current draw by feature and accessory to determine total current draw.

Control Board Feature	Current Draw (mA)
Main board with no radios learned	2.7
One or more LiftMaster® remote controls learned	+1
MyQ® device or wireless dual-gate learned	+2.4
Expansion board	+11.1
Per loop detector LOOPDETL (up to 3 loop detectors can be plugged in to the expansion board)	+3.8
Monitored Wireless Edge Kit (Model LMWEKITU receiver accepts up to (4) edge transmitters and each transmitter accepts up to (2) wired edges for a total system of (8) Monitored LiftMaster Edges, (1) receiver per gate operator.)	+5.8

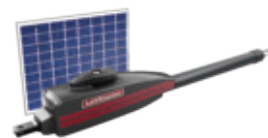
Note: If the additional features on the expansion board are not used, it may be unplugged to conserve additional power draw (11mA)

LA500PKGUL		SINGLE GATE SOLAR CYCLES PER DAY						DUAL-GATE SOLAR CYCLES PER DAY					
	Total System Current Draw (mA)	Zone 1 - (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)		Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)	
		7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries
10W* Solar Panel Note: Must use 24V Solar Panel	5	52	56	30	33	11	12	22	24	13	14		
	15	43	47	23	25			19	20		11		
	20	39	43	19	21			17	19				
	40	24	27					10	12				
	60	10	13										
20W Solar Panel Note: 20W would be (2) 10W 12V panels in series	5	113	132	67	79	27	32	48	57	29	34	12	14
	15	103	122	59	70	20	24	44	52	25	30		10
	20	98	117	54	65	16	21	42	50	23	28		
	50	71	88	30	40			30	38	13	17		
	100	29	45					13	19				
40W Solar Panel Note: 40W would be (2) 20W 12V panels or (4) 10W 12V panels in series	5	212	299	128	181	53	75	91	129	55	78	23	32
	15	201	288	118	170	44	66	86	124	51	73	19	29
	20	196	282	113	165	40	62	84	121	49	71	17	27
	100	114	194	41	86			49	83	18	37		
	200	27	93					11	40				
60W Solar Panel Note: 60W would be (6) 10W 12V panels or (2) 20W 12V & (2) 10W 12V in series	5	263	300	159	286	66	120	113	203	68	123	28	52
	15	252	300	149	275	57	111	108	197	64	118	25	48
	20	246	300	143	269	53	106	106	195	62	115	23	45
	100	160	300	67	181			35	69	153	29	78	15
	250	24	187		39				10	80		17	

LA400PKGUL		SINGLE GATE SOLAR CYCLES PER DAY						DUAL-GATE SOLAR CYCLES PER DAY					
	Total System Current Draw (mA)	Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)		Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)	
		7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries
10W* Solar Panel Note: Must use 24V Solar Panel	5	81	87	47	51	18	19	35	37	20	22		
	15	68	74	36	39			29	32	15	17		
	20	61	68	30	34			26	29	13	14		
	40	37	43		13			16	18				
	60	16	21										
20W Solar Panel Note: 20W would be (2) 10W 12V panels in series	5	100	100	100	100	42	50	76	89	45	53	18	21
	15	100	100	92	100	31	38	69	82	39	47	13	16
	20	100	100	85	100	25	33	66	79	36	44	11	14
	50	100	100	47	63			48	59	20	27		
	100	46	70					20	30				
40W Solar Panel Note: 40W would be (2) 20W 12V panels or (4) 10W 12V panels in series	5	100	100	100	100	83	100	100	100	86	100	35	51
	15	100	100	100	100	70	100	100	100	79	100	30	45
	20	100	100	100	100	63	97	100	100	76	100	27	42
	100	100	100	65	100			77	100	28	58		
	200	42	100		11			18	63				
60W Solar Panel Note: 60W would be (6) 10W 12V panels or (2) 20W 12V & (2) 10W 12V in series	5	100	100	100	100	100	100	100	100	100	100	44	81
	15	100	100	100	100	90	100	100	100	100	100	38	74
	20	100	100	100	100	83	100	100	100	96	100	36	71
	100	100	100	100	100		55	100	100	45	100		24
	250	37	100		61			16	100		26		

* Not currently offered in accessory line
 ** Numbers above for solar daily cycles are representative of wired dual-gate installation. If your installation is a wireless dual-gate setup use single gate cycle estimate and add in power draw for wireless dual-gate feature.
 *** When installing LMRRUL/LMTBUL heater option refer to install manual for cycles and standby time.

LA412PKGUL



Current consumption by control board feature 12V (LA412PKGUL) configurations.
Add up current draw by feature and accessory to determine total current draw.

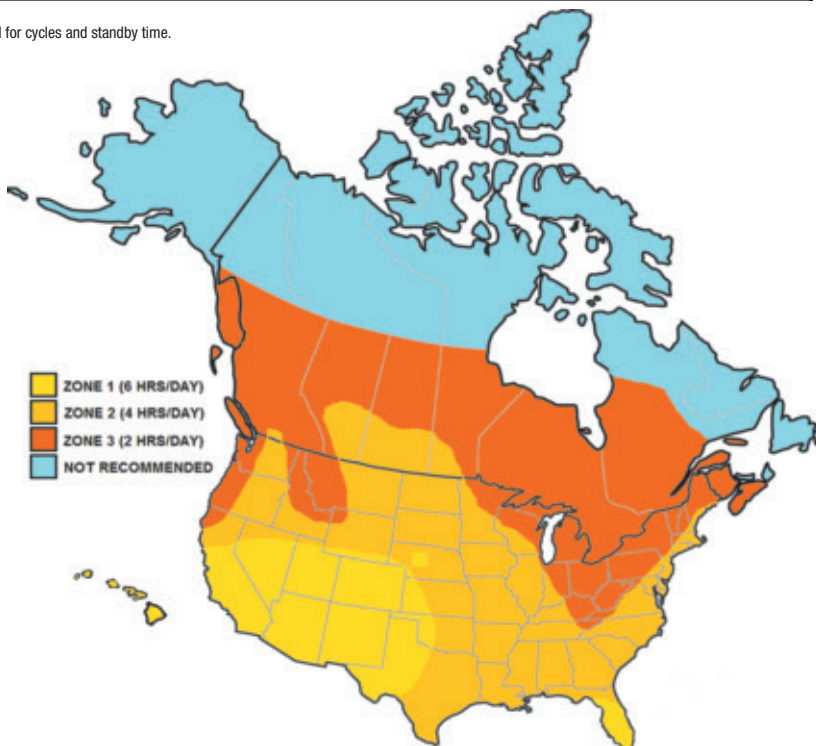
Control Board Feature	Current Draw (mA)
Main board with no radios learned	4.2
One or more LiftMaster® remote controls learned	+1.5
MyQ® device or wireless dual-gate learned	+3.9
Expansion board	+18.5
Per loop detector LOOPDETLM (up to 3 loop detectors can be plugged in to the expansion board)	+6.6
Monitored Wireless Edge Kit (Model LMWEKITU receiver accepts up to (4) edge transmitters and each transmitter accepts up to (2) wired edges for a total system of (8) Monitored LiftMaster Edges, (1) receiver per gate operator.)	+11

Note: If the additional features on the expansion board are not used, it may be unplugged to conserve additional power draw (11mA)

LA412PKGUL		SINGLE-GATE SOLAR CYCLES PER DAY						DUAL-GATE SOLAR CYCLES PER DAY					
Total System Current Draw (mA)		Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)		Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)	
		7Ah batteries	33Ah battery	7Ah batteries	33Ah battery	7Ah batteries	33Ah battery	7Ah batteries	33Ah battery	7Ah batteries	33Ah battery	7Ah batteries	33Ah battery
		10W Solar Panel	6	100	100	82	86	32	34	59	62	35	37
	25	100	100	63	67	17	19	50	53	27	29		
	30	100	100	58	63	14	15	48	51	25	27		
	50	91	98	40	44			39	42	17	19		
	100	43	49					19	21				
20W Solar Panel Note: (2) 10W 12V panels in parallel or (1) 20W 12v panel	6	100	100	100	100	73	82	100	100	76	85	31	35
	25	100	100	100	100	55	64	100	100	67	76	24	27
	30	100	100	100	100	51	59	100	100	65	73	22	25
	100	100	100	77	95			78	92	33	41		
	200	75	100					32	44				
30W Solar Panel Note: 30W would be (3) 10W 12V panels in parallel or (1) 10W & (1) 20W 12V panel in parallel	6	100	100	100	100	100	100	100	100	100	100	47	57
	25	100	100	100	100	90	100	100	100	100	100	39	48
	30	100	100	100	100	85	100	100	100	100	100	37	46
	100	100	100	100	100	22	39	100	100	66	86		17
	200	100	100	51	91			83	100	22	39		

* When installing LMRRUL/LMTBUL heater option refer to install manual for cycles and standby time.

The map and daily cycle rate shown are approximations based upon the average solar radiation and the temperature effects on batteries in the given regions. Local geography and weather conditions may require additional solar panels. Solar optimized or wireless accessories are recommended in order to minimize power draw, as added accessories draw power and affect the daily cycle rate. For full details please reference the manual.



RSW12UL / RSL12UL



Current consumption by control board feature 12V (RSW12UL, RSL12UL) configurations. Add up current draw by feature and accessory to determine total current draw.

Control Board Feature	Current Draw (mA)
Main board with no radios learned	4.2
One or more LiftMaster® remote controls learned	+1.5
MyQ® device or wireless dual-gate learned	+3.9
Expansion board	+18.5
Per loop detector LOOPDETLM (up to 3 loop detectors can be plugged in to the expansion board)	+6.6
Monitored Wireless Edge Kit (Model LMWEKITU receiver accepts up to (4) edge transmitters and each transmitter accepts up to (2) wired edges for a total system of (8) Monitored LiftMaster Edges, (1) receiver per gate operator.)	+11

Note: If the additional features on the expansion board are not used, it may be unplugged to conserve additional power draw (11mA)

RSL12UL		GATE SOLAR CYCLES PER DAY								
	Total System Current Draw (mA)	Zone 1 (6 Hrs Sunlight/Day)			Zone 2 (4 Hrs Sunlight/Day)			Zone 3 (2 Hrs Sunlight/Day)		
		7Ah battery	Two 7Ah batteries	33Ah battery	7Ah battery	Two 7Ah batteries	33Ah battery	7Ah battery	Two 7Ah batteries	33Ah battery
10W Solar Panel	6	33	36	38	19	22	23			
	25	27	31	33	15	17	18			
	30	26	29	31	13	15	17			
	50	21	24	26		11	12			
	100		11	13						
20W Solar Panel Note: (2) 10W 12V panels or (1) 20W panel in parallel	6	50	50	50	37	47	50	15	19	22
	25	50	50	50	32	41	47	11	15	17
	30	50	50	50	30	40	45		13	16
	100	33	48	50	12	20	25			
	200		20	27						
30W Solar Panel Note: 30W would be (3) 10W 12V panels in parallel or (1) 10W & (1) 20W 12V panel in parallel	6	50	50	50	46	50	50	19	29	35
	25	50	50	50	40	50	50	14	24	30
	30	50	50	50	39	50	50	13	23	28
	100	47	50	50	20	41	50			10
	200	19	50	50		14	24			

RSW12UL		GATE SOLAR CYCLES PER DAY								
	Total System Current Draw (mA)	Zone 1 (6 Hrs Sunlight/Day)			Zone 2 (4 Hrs Sunlight/Day)			Zone 3 (2 Hrs Sunlight/Day)		
		7Ah battery	Two 7Ah batteries	33Ah battery	7Ah battery	Two 7Ah batteries	33Ah battery	7Ah battery	Two 7Ah batteries	33Ah battery
10W Solar Panel	6	41	46	48	24	27	29		11	11
	25	34	39	41	18	21	22			
	30	33	37	39	17	19	21			
	50	26	30	32	11	13	15			
	100	11	14	16						
20W Solar Panel Note: (2) 10W 12V panels or (1) 20W panel in parallel	6	50	50	50	47	50	50	19	24	27
	25	50	50	50	40	50	50	13	18	21
	30	50	50	50	38	50	50	12	17	20
	100	42	50	50	15	26	32			
	200		25	34						
30W Solar Panel Note: 30W would be (3) 10W 12V panels in parallel or (1) 10W & (1) 20W 12V panel in parallel	6	50	50	50	50	50	50	24	37	44
	25	50	50	50	50	50	50	18	30	37
	30	50	50	50	49	50	50	16	28	35
	100	50	50	50	25	50	50			13
	200	24	50	50		17	30			

* When installing LMRRUL/LMTBUL heater option refer to install manual for cycles and standby time.

CSW24UL / CSL24UL



Current consumption by control board feature 24V (CSW24UL, CSL24UL) configurations. Add up current draw by feature and accessory to determine total current draw.

Control Board Feature	Current Draw (mA)
Main board with no radios learned	2.7
One or more LiftMaster® remote controls learned	+1
MyQ® device or wireless dual-gate learned	+2.4
Expansion board	+11.1
Per loop detector LOOPDETLM (up to 3 loop detectors can be plugged in to the expansion board)	+3.8
Monitored Wireless Edge Kit (Model LMWEKITU receiver accepts up to (4) edge transmitters and each transmitter accepts up to (2) wired edges for a total system of (8) Monitored LiftMaster Edges, (1) receiver per gate operator.)	+5.8

Note: If the additional features on the expansion board are not used, it may be unplugged to conserve additional power draw (11mA)

CSW24UL		GATE SOLAR CYCLES PER DAY					
	Total System Current Draw (mA)	Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)	
		7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries
		10W* Solar Panel Note: Must use 24V Solar Panel	5 15 20 40 60	19 16 14 10	20 17 16 10	11 12	
20W Solar Panel Note: 20W would be (2) 10W 12V panels or (1) 20W 12V panel in series	5 15 20 50 100	41 38 36 26 11	48 45 43 32 16	25 21 20 11	29 26 24 15		12
40W Solar Panel Note: 40W would be (4) 10W 12V or (2) 20W 12V panels in series	5 15 20 100 200	78 74 72 42	110 106 104 71 34	47 43 41 15	66 63 61 32	19 16 15	28 24 23
60W Solar Panel Note: (6) 10W 12V or (2) 20W & (2) 10W 12V panels in series	5 15 20 100 250	97 92 90 59 12	173 169 166 131 68	58 54 53 25	105 101 99 67 14	24 21 19	44 41 39 13

CSL24UL		GATE SOLAR CYCLES PER DAY					
	Total System Current Draw (mA)	Zone 1 (6 Hrs Sunlight/Day)		Zone 2 (4 Hrs Sunlight/Day)		Zone 3 (2 Hrs Sunlight/Day)	
		7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries	7Ah batteries	33Ah batteries
		10W* Solar Panel Note: Must use 24V Solar Panel	5 15 20 40 60	26 22 20 12	28 24 22 14	15 12	17 13 11
20W Solar Panel Note: 20W would be (2) 10W 12V panels or (1) 20W 12V panel in series	5 15 20 50 100	57 52 50 36 15	67 62 60 45 23	34 30 28 15	40 36 33 20	14 10	16 12 11
40W Solar Panel Note: 40W would be (4) 10W 12V or (2) 20W 12V panels in series	5 15 20 100 200	108 103 100 58 14	152 147 144 99 47	65 60 58 21	92 87 84 44	27 23 21	38 34 32
60W Solar Panel Note: (6) 10W 12V or (2) 20W & (2) 10W 12V panels in series	5 15 20 100 250	134 128 125 82 12	240 234 231 181 95	81 76 73 34	146 140 137 92 20	34 29 27	61 56 54 18

*When installing LMRRUL/LMTBUL heater option refer to install manual for cycles and standby time.

HCTDCUL



Add up current draw by feature and accessory to determine total battery current draw.

CONTROL BOARD FEATURE	CURRENT DRAW (mA)
Main board with no radios learned	2.7
One or more LiftMaster® remote controls learned	+1
MyQ® device or wireless dual-gate learned	+2.4
Expansion board	+11.1
Per loop detector LOOPDETLM (up to 3 loop detectors can be plugged in to the expansion board)	+3.8

HCTDCUL		SOLAR CYCLES PER DAY		
	BATTERY CURRENT DRAW (mA)	ZONE 1 (6 HRS SUNLIGHT/DAY)	ZONE 2 (4 HRS SUNLIGHT/DAY)	ZONE 3 (2 HRS SUNLIGHT/DAY)
		7 AH BATTERIES	7 AH BATTERIES	7 AH BATTERIES
10W* Solar Panel Note: Must Use 24V Solar Panel	5	13		
	15	11		
	20			
	40			
	60			
20W Solar Panel Note: 20W would be (2) 10W 12V panels in series or (1) 20W 12V Panel	5	29	17	
	15	26	15	
	20	25	14	
	50	18		
	100			
40W Solar Panel Note: (4) 10W 12V or (2) 20W panels in series	5	56	34	14
	15	54	31	12
	20	52	30	11
	100	32	12	
	200			
60W Solar Panel Note: (6) 10W 12V or (2) 20W 12V & (2) 10W 12V Panels in series	5	74	45	19
	15	72	42	17
	20	70	41	15
	100	48	22	
	200	13		

LiftMaster Solar Gate Operators are engineered to have low idle current draw including radio receiver to maximize battery life and solar performance. It is important to note, the following environmental factors can adversely affect battery performance in solar applications.

- Cold temperature (below 32°F (0°C))
- Snow cover on solar panel
- Reduced hours of sunlight in winter months

In geographic areas that experience cold temperatures below 32°F (0°C) for more than two weeks in addition to any of the factors listed above, the following steps can be taken to ensure best performance:

- Replace the standard 7Ah batteries with 33Ah batteries. (For linear actuators, use the optional XL control box model XLSOLARCONTUL)
- In states adjacent to Canada and Canadian provinces, increase the angle of the solar panels by an additional 15 degrees (60 degrees total). This will optimize the solar panels for the winter months and reduce the buildup of snow and ice on the panels.

Important note: Daily cycle rate and standby time will be reduced by at least 50% when temperatures reach extreme cold temperatures below -4°F (or -20°C) for periods of more than two weeks.

For best performance during the winter months, snow and ice should be removed from the solar panel, moving parts on the gate and gate operator. In addition all snow should be removed from the path of the gate to prevent nuisance reversals.

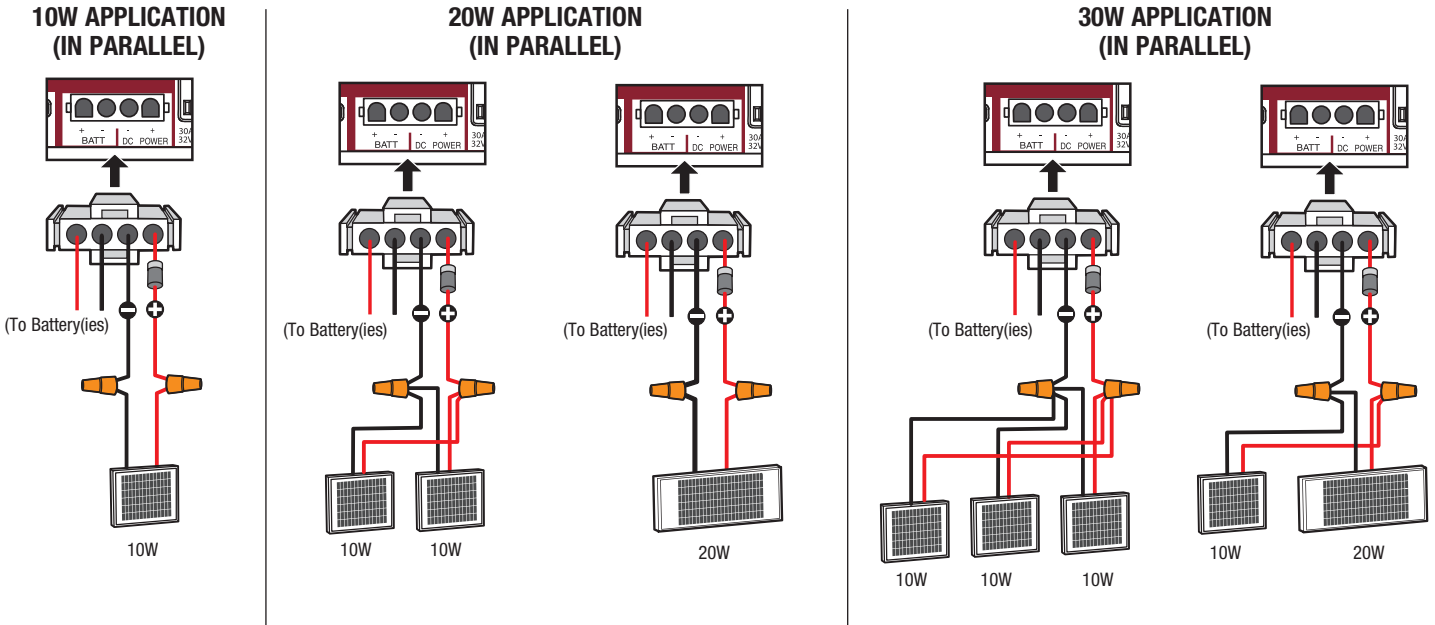
OPTIONAL POWER SUPPLY FOR COLD WEATHER APPLICATIONS	
Gate Operator	Optional Power Supply
LA500PKGUL, LA412PKGUL, LA400PKGUL	XLSOLARCONTUL (2) 33Ah batteries not included)
CSW24UL, CSL24UL	(2) 33Ah batteries recommended in lieu of standard 7Ah batteries
RSW12UL, RSL12UL	(1) 33Ah batteries recommended in lieu of standard 7Ah batteries

If heavy amounts of snow are expected over several days, the manual disconnect may be engaged and the gate left open to allow access and snow removal. Once the snow is removed, simply reengage the manual disconnect to resume normal operation.

WIRING

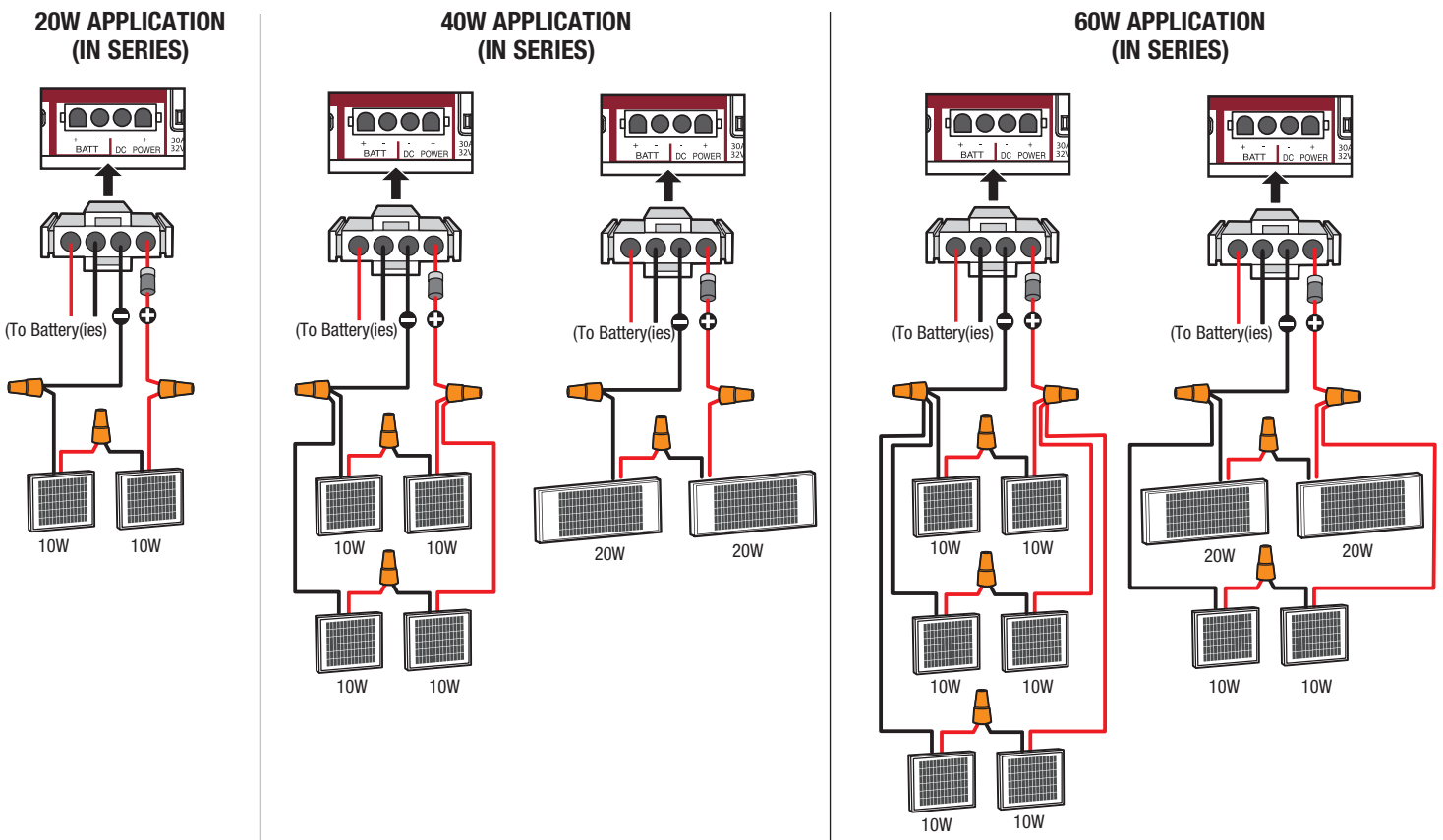
WIRE THE SOLAR PANELS - 12V APPLICATIONS

Models: LA412CONTU, LA412VDC, RSL12VDC, RSL12U, RSW12VDC, RSW12U



WIRE THE SOLAR PANELS - 24V APPLICATIONS

Models: LA400CONTU, LA400VDC, LA500CONTU, LA500VDC, LA500, CSL24VDC, CSL24U, CSW24VDC, CSW24U (for models CSL24V and CSW24V refer to the wiring instructions provided with the Solar Harness Kit [Model K94-36596]).



	LMRRUL	LMTBUL	LMWEKITU	LMWETXU	WS4/WS5/ WS6	WR4/WR5/ WR6	L504AL/L505AL/ L506AL	S504AL/S505AL/ S506AL	L50	S50
	MONITORED PHOTO EYES									
Description	Monitored Retro-Reflective Photo Eye	Monitored Through-Beam Photo Eyes	Monitored Wireless Edge Kit	Monitored Wireless Edge Transmitter	Monitored Resistive Wrap Around Edge—Square	Monitored Resistive Wrap Around Edge—Round	Monitored Resistive Standard Edge in Aluminum Channel—Large Profile	Monitored Resistive Standard Edge in Aluminum Channel—Small Profile	Monitored Resistive Edge 82 ft. Roll—Large Profile	Monitored Resistive Edge 82 ft. Roll—Small Profile
Application	Versatile Solution for Entrapment Protection	Powerful Through-Beam Design Provides Superior Performance in a Variety of Environmental Conditions	Expandable; Protects up to 8 Entrapment Points. Reliable Performance in ALL Environmental Conditions.	Two Configurable Inputs (Open/Close) Provide Further Flexibility	Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware	Swing and Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware	Swing and Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware	Swing and Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware	Swing and Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware	Swing and Slide Gates—Pair with Monitored Wireless Edge Kit or Hardware
Additional Feature	Single-Sided Design Means No Trenching and Less Wiring	Wireless Network Capability in Dual-Gate Applications	Bluetooth® Technology is Extremely Power Efficient; Provides 2-Year Battery Life	Easily Secures to Gate Post for Long-Lasting Stability and Reliability	Pre-Assembled Means an Easier Installation, Saving You Time and Money	Pre-Assembled Means an Easier Installation, Saving You Time and Money	Pre-Assembled Means an Easier Installation, Saving You Time and Money	Pre-Assembled Means an Easier Installation, Saving You Time and Money	Cut to Length while on the Job, Allowing You to Meet Almost Any Application Requirements. Requires Endcaps and Mounting Channels (Sold Separately).	Cut to Length while on the Job, Allowing You to Meet Almost Any Application Requirements. Requires Endcaps and Mounting Channels (Sold Separately).
Range	50 ft.	90 ft.	130 ft.	130 ft.	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	82 ft. Roll	82 ft. Roll
Built-in Heater	Yes	Yes	-	-	-	-	-	-	-	-
LED Alignment Indicators	Yes	Yes	Yes	Yes	-	-	-	-	-	-
Integrated Diagnostics with Gate Operator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Available Lengths	-	-	-	-	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	4 ft. / 5 ft. / 6 ft.	82 ft. Roll	82 ft. Roll
Solar Compatible	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Current Draw	70mA @ 12VDC/VAC or 85mA @ 24 VDC/VAC (if heater is wired-see manual)	70mA @ 12VDC/VAC or 85mA @ 24 VDC/VAC (if heater is wired-see manual)	5.8 mA for a 24V System; 12.0 mA for a 12V System	Powered by 2 AA Lithium Batteries	Turns Off When the Operator is Idle	Turns Off When the Operator is Idle	Turns Off When the Operator is Idle	Turns Off When the Operator is Idle	Turns Off When the Operator is Idle	Turns Off When the Operator is Idle
Outdoor Rating	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	IP65	IP65	IP65	IP65	IP65	IP65
Operating Temperature	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F	-40°F to 149°F
Package Content	Sensor, Reflector, Hoods, Mounting Brackets, 10 ft. Cable and Hardware	Sensors, Hoods, Mounting Brackets, 10 ft. Cable and Hardware	Receiver, Transmitter, Mounting Brackets, 2 AA Lithium Batteries, Hardware	Transmitter, Mounting Bracket, 2 AA Lithium Batteries, Hardware	Edge with Cable	Edge with Cable in Aluminum Channel	Edge with Cable in Aluminum Channel	Edge with Cable in Aluminum Channel	82 ft. Roll	82 ft. Roll
Dimensions	With Hood: 2.5"W x 4.6"H x 2.8"D Without Hood: 2.4"W x 4.6"H x 2.0"D	With Hood: 2.5"W x 4.6"H x 2.8"D Without Hood: 2.4"W x 4.6"H x 2.0"D	6.8" H x 2" W x 1.8" D	3.8" W x 2.8" H for 1.5/6-2.3/8" Round Posts	1.8" H x 1" W (2.35" H in Aluminum Channel)	1.8" H x 1" W (2.35" H in Aluminum Channel)	1.2" H x 1" W (1.6" H in Aluminum Channel)	1.2" H x 1" W (1.6" H in Aluminum Channel)	82 ft. x 1.8" H x 1" W	82 ft. x 1.2" H x 1" W
Warranty	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years

Battery Backup Powers up when the power's down

myQ Controls your gate from anywhere with your smartphone

Security+ 2.0 3-channel receiver virtually eliminates interference and extends range

*When installing LMRBUL/LMTBUL heater option refer to install manual for cycles and standby time.

Monitored Safety Entrapment Protection Devices and Accessories Feature Chart

	CAPXL	CAP2D	EL2000SS	EL25	EL1SS
Description	Connected Access Portal, High Capacity	Connected Access Portal, 2-Door Controller	Telephone Entry/Access Control System	Telephone Entry/Access Control System	Telephone Intercom and Access Control System
LiftMaster Cloud™ Connected Virtually unlimited expansion potential with the freedom to be constantly connected	Yes	Yes	-	-	-
Real-Time Event Monitoring Intuitive browser-based interface is easy to use 24/7	Yes	Yes	-	-	-
Cloud Storage Never lose your database	Yes	Yes	Yes	Yes	-
Email Notifications	Yes	Yes	-	-	-
Local Event History	50,000	6,000	4,000	4,000	-
Local Resident Capacity/ Programmable Entry Codes	50,000	25,000	2,000	2,000	No Directory / 200 Entry Codes
Voice Communication	Phone.com Service for Cellular, Wi-Fi, Wiired High-Speed Internet, DSL	POTS / Filtered DSL	POTS / Filtered DSL	POTS / Filtered DSL	Intercom / POTS / Filtered DSL
Data Connectivity	Cellular, Wi-Fi, Wiired High-Speed Internet, DSL	Cellular, Wiired High-Speed Internet, DSL	Dial-Up Modem / Direct Connect / Keypad	Dial-Up Modem / Direct Connect / Keypad	Keypad
Software	LiftMaster Cloud	LiftMaster Cloud	Versa XS 4.0	Versa XS 4.0	-
BASIC INPUT / OUTPUT					
Number of Gates / Doors of Control	4	2	4	4	2
Wiegand Inputs	4	2	Up to 4 Wiegand Inputs, with 2 (Optional) Plug-In Modules (WOMODKT)	Up to 4 Wiegand Inputs, with 2 (Optional) Plug-In Modules (WOMODKT)	-
Additional Gate / Door Expansion	Virtually Unlimited (via LiftMaster Cloud) / -	Virtually Unlimited (via LiftMaster Cloud)	Shared Telephone Line for 7 Units	Shared Telephone Line for 7 Units	-
Radio Receiver	Security+ 2.0® Passport	Optional Security+ 2.0® PPWR	Optional Security+ 2.0® PPWR	Optional Security+ 2.0® PPWR	Backlit Keypad / Illuminated Call Button
Display Type	10" 720p High-Def Touch Screen	Multi-Status LEDs	5" LCD Screen, 4 Display Lines, 20 Characters per Line	Illuminated Keypad	-
Postal Lock	Built In	-	Built In	-	-
Camera Ready	Yes	-	Yes	Yes	-
Mounting Options	Surface / Flush or Pedestal	Surface / Standard Gang Box	Surface / Flush / Gooseneck	Surface / Gooseneck	Surface / Gooseneck
Temperature Specifications	-20°F to 130°F (-29°C to 54°C)	32°F to 125°F (0°C to 52°C)	-4°F to 149°F (-20°C to 65°C)	-4°F to 149°F (-20°C to 65°C)	-4°F to 149°F (-20°C to 65°C)
Height	18 in.	4.5 in.	16 in.	10.25 in.	6.25 in.
Width	14 in.	3 in.	11.25 in.	6 in.	10 in.
Depth	4.5 in.	1.25 in.	3.25 in.	4 in.	5.25 in.
Warranty	2 Years	2 Years	2 Years	2 Years	2 Years

	KPW250	KPW5
Code and Radio Frequency	<ul style="list-style-type: none"> LiftMaster Security+ 2.0® (Default) Delivered on Tri-Band 310/315/390 MHz LiftMaster Security+ 315 MHz LiftMaster Security+ 390 MHz Linear Multi-Code® 300 MHz 	<ul style="list-style-type: none"> LiftMaster Security+ 2.0® (Default) Delivered on Tri-Band 310/315/390 MHz
PIN Capacity	<ul style="list-style-type: none"> Up to 250 Permanent 4-Digit PINs Up to 10 Unique Temporary PINs 	<ul style="list-style-type: none"> Up to 5 Permanent 4-Digit PINs Up to 10 Unique Temporary PINs
Power	9V Lithium Battery with Battery Life up to 5 Years (Based on 25 Activations per Day)	9V Lithium Battery with Battery Life up to 5 Years (Based on 25 Activations per Day)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)
Storage and Shipping Temperature Range	-40°F to 140°F (-40°C to 60°C)	-40°F to 140°F (-40°C to 60°C)
Operating Humidity	5% to 95% (Non-Condensing)	5% to 95% (Non-Condensing)
Weatherization	Electronics Meet NEMA 4X Water Protection Requirements; Housings Meet or Exceed NEMA 3R	Electronics Meet NEMA 4X Water Protection Requirements; Housings Meet or Exceed NEMA 3R
Enclosure	Front Cover: High-Impact Polycarbonate Back Housing	High-Impact Polycarbonate Front Cover and Back Housing
Lockable Housing	Restricts Access to the Reset Button	Restricts Access to the Reset Button
Memory	Non-Volatile (Codes Are Saved When Battery Is Replaced)	Non-Volatile (Codes Are Saved When Battery Is Replaced)
Mounting	Compatible for Surface Mount or Standard Pedestal Mount (4 x 4 in.)	Compatible for Surface Mount or Standard Pedestal Mount (4 x 4 in.)
Operating Range	Up to 500 ft. (Open Field)	Up to 500 ft. (Open Field)
Dimensions	4.3" W x 6" H x 1.75" D	4.3" W x 6" H x 1.75" D
Shipping Weight	1.2 lbs.	0.73 lbs.
Warranty	1 Year Limited	1 Year Limited

For specifications and information on all our products, visit LiftMaster.com/TOTALPAS

Access Control Feature Chart



Battery Backup Powers up when the power's down



myQ Controls your gate from anywhere with your smartphone



Security+ 2.0 3-channel receiver virtually eliminates interference and extends range

LMACENCTOOOF 4/18



	LMPPP	LMMP	LMTL2	LMPPK	LMMC-MINI	LMMC-MMT	LMMC-WS	LMMC-KP	LMCE-MINI	LMCE-MMT	LMCE-WS
Description	ProxPoint® Plus 6005	MiniProx® 5365	ThinLine I® 5395	ProxPro® with Keypad 5355	multiCLASS® SE RP10 Mini Mullion	multiCLASS SE RP15 Mullion Mount	multiCLASS RP40 Wall Switch	multiCLASS RPK40	iCLASS® SE R10 Mini Mullion	iCLASS SE R15 Mullion Mount	iCLASS SE R40
Typical Read Range	3.0" (7.5 cm)	5.5" (14.0 cm)	5.5" (14.0 cm)	8.0" (20.5 cm)	iCLASS: 1.6" (4 cm) HID Prox: 1.6" (4 cm)	iCLASS: 1.6" (4 cm) HID Prox: 2.0" (5 cm)	iCLASS: 2.4" (6 cm) HID Prox: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) HID Prox: 1.6" (4 cm)	iCLASS Seos®: 2.4" (6 cm) iCLASS: 3.6" (9 cm)	iCLASS Seos: 2.4" (6 cm) iCLASS: 3.6" (9 cm)	iCLASS Seos: 3.2" (8 cm) iCLASS: 5.2" (13 cm)
Mounting	Mullion	Mullion	Single-Gang Electrical Box	Single-Gang Electrical Box	Mini Mullion	Mullion	Single-Gang Electrical Box	Single-Gang Electrical Box	Mini Mullion	Mullion	Single-Gang Electrical Box
Dimensions	3.13" x 1.7" x 0.66" (8.0 cm x 4.5 cm x 1.5 cm)	6.0" x 1.7" x 1.0" (15.0 cm x 4.5 cm x 2.0 cm)	4.7" x 3.0" x 0.68" (12.0 cm x 7.5 cm x 1.5 cm)	5.0" x 5.0" x 1.0" (12.5 cm x 12.5 cm x 2.5 cm)	1.9" x 4.1" x 0.9" (4.8 cm x 10.3 cm x 2.3 cm)	1.9" x 6.0" x 0.9" (4.8 cm x 15.3 cm x 2.3 cm)	3.3" x 4.8" x 1.0" (8.4 cm x 12.2 cm x 2.4 cm)	3.3" x 4.8" x 1.1" (8.5 cm x 12.2 cm x 2.8 cm)	1.9" x 4.1" x 0.9" (4.8 cm x 10.3 cm x 2.3 cm)	1.9" x 6.0" x 0.9" (4.8 cm x 15.3 cm x 2.3 cm)	3.3" x 4.8" x 1.0" (8.4 cm x 12.2 cm x 2.4 cm)
Operating Voltage	5-16V DC	5-16V DC	5-16V DC	10-28.5V DC	5-16V DC	5-16V DC	5-16V DC	5-16V DC	5-16V DC	5-16V DC	5-16V DC
Current Draw Standard Power Mode (mA)	35 mA	35 mA	35 mA	155 mA	75 mA	75 mA	85 mA	95 mA	60 mA	60 mA	65 mA

	LMPC2-SN	LMPK2-SN	LMPK3-ST	LMISOPC-ST	LMP2-ST	LMCSEK2-ST	LMCSEC-ST	LMCSEC-ST	LMCSEC-ST	LMBF-SN
Description	ProxCard I® 1326—Sentex	ProxKey III® 1346—Sentex	ProxKey III 1346 Key Fob	ISOProx I® 1386 ISOProx Card	ProxCard II 1326 Clamshell Card	iCLASS SE Key II	iCLASS SE Contactless	iCLASS SE Clamshell		Barrium Ferrite Card—Sentex
Bit Numbers	30 Bit	30 Bit	26 Bit	26 Bit	26 Bit	26 Bit	26 Bit	26 Bit	26 Bit	30 Bit
Format	S10301	S10301	H10301	H10301	H10301	H10301	H10301	H10301	H10301	Sentex
125 KHz	Yes	Yes	Yes	Yes	Yes	-	-	-	-	N/A
13.56 MHz	-	-	-	-	-	Yes	Yes	Yes	Yes	-

For specifications and information on all our products, visit LiftMaster.com/TOTALPAS
Reader and Credential Specification Charts



Powers up when the power's down



Controls your gate from anywhere with your smartphone



3-channel receiver virtually eliminates interference and extends range

LMACENCTORCS 4/18

LiftMaster®



BE ON THE LEADING EDGE OF SAFETY.

STARTING AUGUST 1, 2018 - Updates to the UL 325 Safety Standard will require a minimum of two (2) means of entrapment zone protection in both the open and close direction for slide gate operators to function. See back for more details.



SAFETY LEADER

LiftMaster® leads the industry in safety when it comes to UL 325 compliant gate systems.



DIRECT COMMUNICATION

Informing you of industry advances and partnering with you on ways to protect your business.



PROTECTION

Providing solutions to keep your business, your people and your customers safe and secure.

LiftMaster®

KNOW THE STANDARD.

To be UL 325 compliant, two monitored safety entrapment protection devices must be installed at each entrapment zone (the inherent reversing system in LiftMaster Gate Operators counts as one device).

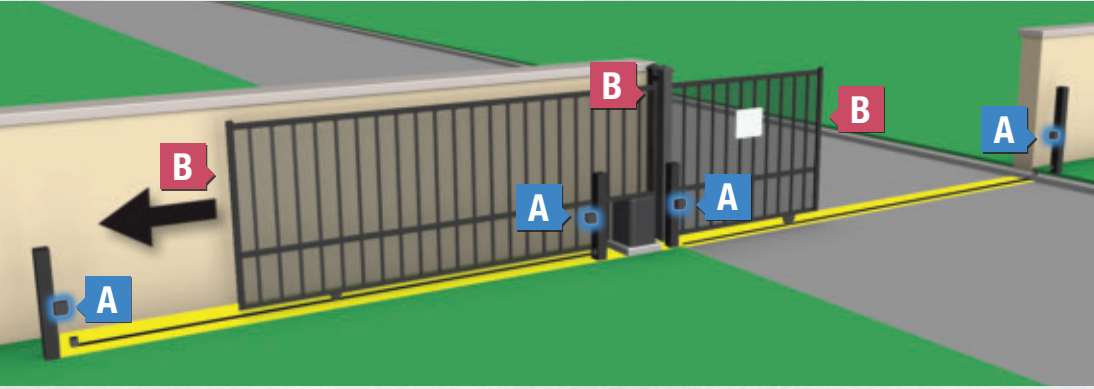
Beginning August 1, 2018, for a LiftMaster Slide Gate Operator to function, the operator will require a minimum of two external monitored safety entrapment protection devices: one in the open direction and one in the close direction. LiftMaster Slide Gate Operators will be shipped with a LiftMaster Monitored Safety Edge in addition to a LiftMaster Retro Reflective Photo Eye. LiftMaster Monitored Safety Entrapment Protection Devices must be used with LiftMaster Gate Operators to meet UL 325.

Every installation is unique. It is the responsibility of the installer to ensure all entrapment zones are protected with a minimum of two entrapment protection devices.


LIFTMASTER TOTAL SAFETY SOLUTION

A Monitored Photo Eye stops or reverses gate when beam is obstructed


B Monitored Safety Edges stops or reverses gate upon contact




KNOW YOUR ENTRAPMENT ZONES*




LMRRUL Retro Reflective Photo Eye




LMTBUL Through Beam Photo Eye



Monitored Safety Edge
Large and small profiles available



LMWEKITU Monitored Wireless Edge Kit



Wrap Around Edges
Square and round profiles available

*This example is for illustrative purposes only. VISIT DASMA.COM FOR MORE INFORMATION.

**Entrapment Zone: The location where an object can be caught or held in a position that increases the risk of injury.

COMMITTED TO SAFETY.

LiftMaster is committed to helping the industry design, build and maintain safe gate systems that are tested to meet UL 325 safety standards. Look for more information as we prepare for the 2018 UL 325 standard update.

LEARN MORE.

Visit LiftMaster.com/UL325Gates for a complete line of UL 325 compliant operators and safety devices.

DID YOU KNOW?



3 out of 4 existing gate systems lack the latest safety features and should be replaced or brought up to current standards.



Manufacturers of gate operators and related entrapment protection devices work closely with Underwriters Laboratories and the CPSC to improve standards for entrapment protection.



Safe gate systems are everyone's responsibility. Ask your installer to follow UL 325 and ASTM F2200 safety standards to ensure your automated gate or gate system is safe.



To be UL 325 compliant, two independent safety entrapment protection devices must be installed at each entrapment zone (inherent reversing system counts as one device).



Beginning August 1, 2018 for a LiftMaster Slide Gate Operator to function and meet the new UL 325 standard, the operator will require a minimum of two external monitored safety entrapment protection devices. One in the open direction and one in the close direction.

HERE ARE A FEW MORE GOOD REASONS TO REPLACE OLD GATE OPERATORS:



LiftMaster® Trained Safety Technicians have completed Gate Safety Training and know how to design, build and maintain safe gate systems.



Advancements in gate operator technology have increased safety features and improved entrapment protection.



New gate operators offer a world of new convenience features such as battery backup and internet connectivity with MyQ® Technology.

To find a Dealer near you, visit LiftMaster.com



Swing and Slide Gate Operator UL 325 and ASTM F2200 Site Planning Safety Checklist

Please Print

Name: _____ Phone: _____

Address: _____

City/State/ZIP: _____ Email: _____

Satisfactory	Needs Repair/Replacement
--------------	--------------------------

Gate Safety Check — Simple steps to quickly determine if an End User's gate operator is safe.

UL 325 Standard

Component:	Result (Circle)	Comments:	Figures (On Back)
1. Gate Operator is approved to current UL 325 standards (check operator label)	Pass / Fail		
2. Proper gate warning signs attached to both sides of gate area	Pass / Fail		1,4
3. All entrapment zones protected by 2 safety devices/obstruction tested			1,4
Close Side (circle two) Photo Eye Reversing Edge Inherent Reverse	Pass / Fail		
Open Side (circle two) Photo Eye Reversing Edge Inherent Reverse	Pass / Fail		
Other Entrapment Areas	Pass / Fail		
UL 325 Installation Class (circle one) I II III VI			

*Entrapment Zone: The location where an object can be caught or held in a position that increases the risk of injury

ASTM F2200 Standards

Gate Construction Evaluation: Gate Constructed with Safety in mind. ASTM F2200 Standards are followed

Component:	Result (Circle)	Comments:	Figures (On Back)
All Gates			
Gates have smooth bottom edges, no protrusions exceed 1/2" beyond base of gate	Pass / Fail		5
All access controls at least 6 ft. from gate	Pass / Fail		1,4
Barbed tape (razor wire) at least 8 ft. above grade	Pass / Fail		
Barbed wire at least 6 ft. above grade	Pass / Fail		
Separate pedestrian gate – out of reach of a moving gate – vehicular gate is for automotive traffic only	Pass / Fail		1,4
Gate does not move on its own if disconnected from operator	Pass / Fail		
Gates prevented from falling over if disconnected from supporting hardware	Pass / Fail		
SWING			
Distance from pivot point to column edge is less than 4 in.	Pass / Fail		4
Distance from open gate to wall or column greater than 16 in. or external entrapment protection is provided	Pass / Fail		4
SLIDE			
Roller covers on wheels	Pass / Fail		1
Meshing installed up to 6 ft. above grade if pickets spaced equal to or greater than 2 1/4 in. apart	Pass / Fail		3
Gap between gate and fence post less than 2 1/4 in. & gap protected with safety device	Pass / Fail		2
Positive stops at both fully open and fully closed positions	Pass / Fail		1
Receiver guides recessed behind receiver post for receiver guides less than 8 ft.	Pass / Fail		
Other:	Pass / Fail		

Please Print

First & Last Name of Dealer: _____ First & Last Name of Installer: _____

Name of Dealership: _____ Phone: _____

Dealership Address (Street Address/City/State/Zip): _____

Dealer Signature: _____ Installer Signature: _____

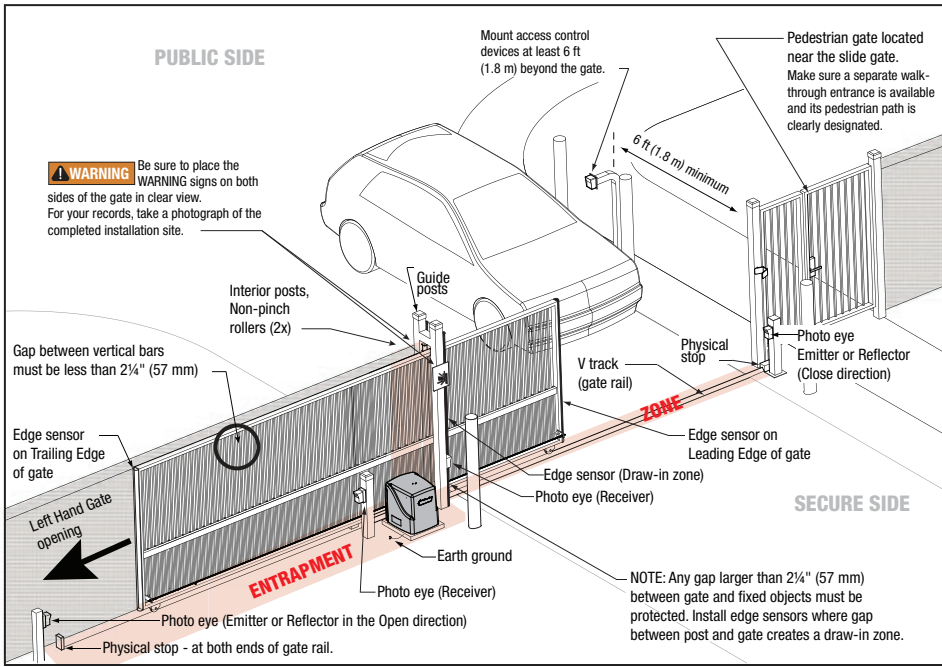
Customer Signature: _____

GETTING STARTED WITH SWING AND SLIDE GATE OPERATOR.

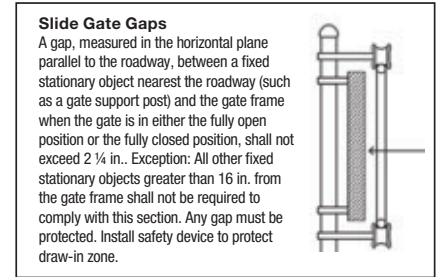
Always design, install and maintain safe gate access systems in accordance with UL 325 & ASTM F2200 standards.

- Only install the operator on gates used for vehicular traffic.
 - A separate pedestrian entry/exit must be clearly visible to promote pedestrian usage and located so pedestrians do not come in contact with the vehicular gate while it is moving.
 - Install two independent[†] entrapment protection devices protecting each entrapment zone.
 - Pickets of a slide gate must be designed or screened to prevent persons from reaching through, or passing through a gate.
 - Every Installation is unique. It is the responsibility of the installer to ensure all entrapment zones are protected with a minimum of two independent[†] entrapment protection devices.
 - Beginning August 1, 2018, for a slide gate operator to function, the operator will require a minimum of two independent[†] monitored safety entrapment protection devices in each direction: two in the open direction, two in the close direction.
- [†]Independent the same type of device shall not be utilized for both entrapment protection devices.

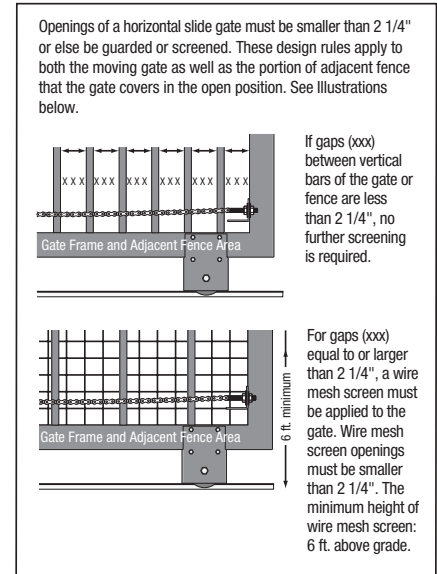
SLIDE GATE SITE LAYOUT GUIDELINES **FIGURE 1**



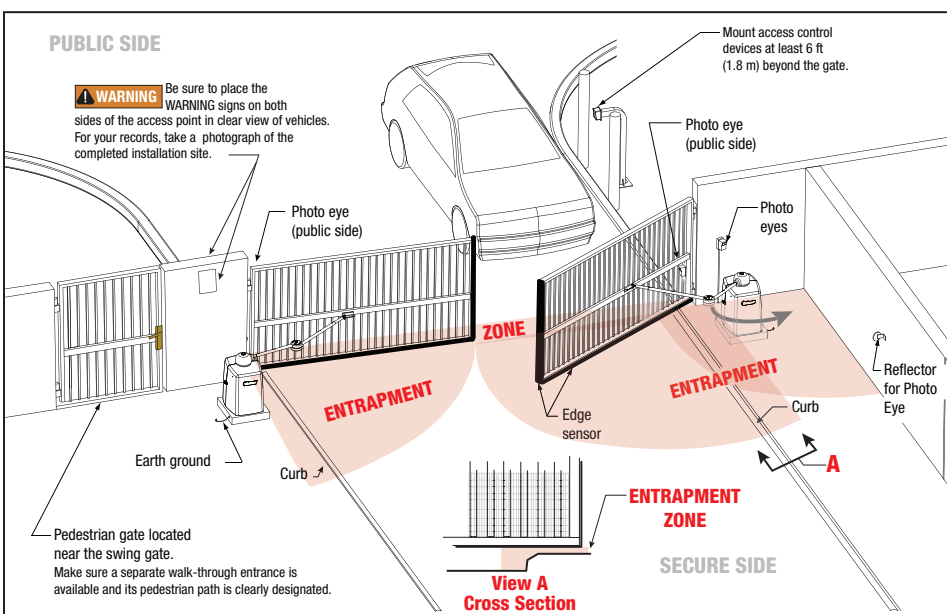
SLIDE GATE SPACING GUIDELINES **FIGURE 2**



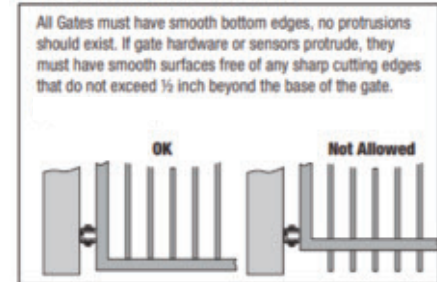
SLIDE GATE OPENINGS GUIDELINES **FIGURE 3**



SWING GATE SITE LAYOUT GUIDELINES **FIGURE 4**



Base of Swing and Slide Gate **FIGURE 5**



****Swing Gate Entrapment Zones:** Locations between a moving gate or moving, exposed operator components and a counter opposing edge or surface where entrapment is possible up to 1.8m (6 ft) above grade. Such locations occur if during any point in travel: a) The gap between the bottom of a moving gate and the ground is greater than 101.6mm (4 in) and less than 406mm (16 in); or b) The distance between the center line of the pivot and the end of the wall, pillar, or column to which it is mounted when in the open or closed position exceeds 101.6mm (4 in). Any other gap between a moving gate and fixed counter opposing edges or surfaces or other fixed objects is less than 406mm (16 in) (examples are walls, curbs, berms, or other immovable objects).

Definitions

Entrapment: The condition when a person is caught or held in a position that increases the risk of injury.

Slide Gate Entrapment Zones: An entrapment zone exists if at any point during travel, the gap between the moving gate and fixed counter opposing edges or surfaces is less than 406 mm (16") in a location up to 1.8 m (6ft.) above grade.

The above examples are two of many installation possibilities and are for illustration purposes only. See device and operator manuals for complete instruction. Visit DAMSA.com for more information.



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Sales Representative

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