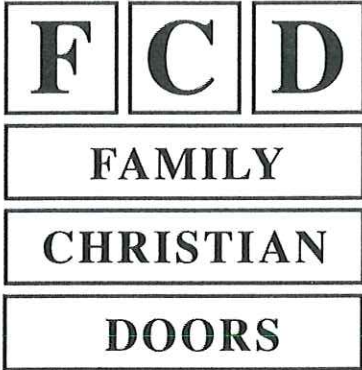




Family Christian Doors
 Garage Door and Opener Service
 2809 Haltom Road
 Haltom City, TX 76117
 www.FamilyChristianDoors.com
1.877.780.4FCD
 (4323)
Sharing the love of Christ...
From our family to yours!

Day/Date: 03-10-19
 Time: _____ am/pm
 Technician: Todd Green
 Previous Customer: Y / N
 Referral: Y / N
 How did you hear about us?

19-014 Overhead Door Component replacement - FC1702

Customer Name: City of North Richland Hills
 Address: 4301 City Point Drive
 City, State, Zip: NRH, TX 76180
 Contact: Chris Amanante Phone: 817-879-5810
 Fax / Email: camarante@nrhtx.com

Door and Opener Information

Door Brand: _____
 Years Old (approx.): _____
 Opener Brand: _____

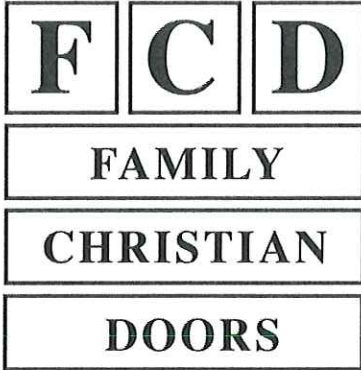
S	SS	C	NC	SC	W	CNC
DS	DI	CI	E	DR	WI	

Warranty Info.
Service / Install-
Door Parts-
Door Panels-
Opener Parts-
Payment Info.
Cash _____
Check # _____
Credit Card Number _____
Type _____
Expiration _____
CV2 _____
Bill. Add. _____
Zip _____
App. # _____

Qty.	Description	Each	
	19-014 Overhead Door Component replacement - FC1702		
	*Bid proposal & recommendations on the following locations for		
	The City of North Richland Hills.		
	Fire Station #1 - 8001 Shadywood In, NRH, TX 76180		
	Fire Station #2 - 4001 Rufe Snow, NRH, TX 76180		
	Fire Station #4 - 7245 Hightower Dr., NRH, TX 76180		
	Service Cent Fleet Shop-7200A Dick Fisher Dr, South NRH, TX 76180		
	Facilities & Const/Fire Maint- 6110 Dick Fisher Dr. West, NRH, TX 76180		
	Parks Operation- 7200B Dick Fisher Dr. South, NRH, TX 76180		
	Traffic Division-7200D Dick Fisher Dr. South, NRH, TX 76180		
	**Eight facilities for the city, at seven locations required to be		
	inspected. Visual inspection, and mechanical diagnostics were done		
	in order to determine scope of work, materials, and componets		
	needed to revive, repair (and/or) replace such items required. ***CONTINUED		Page2
Initial	I have been given safety eye demo and understand alignment is not covered under warranty.		

Notes: _____ *Tarrant County Contract No 2018-136 _____ _____	Fax to: _____	Subtotal	
	Day/Date: _____	Taxable	
	PC: _____	Nontaxable	
	TR: _____	Tax	
		Total	

Authorized Signature X
The Card issuer is authorized to pay the amount indicated as Total upon proper presentation. All pricing on services performed on this invoice were explained to me in detail and given my approval before any work/service was performed. I acknowledge receipt of goods and services in the amount above. I affirm my obligations under the Cardmember Agreement. Please retain receipt to validate warranty.



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Time: _____ am/pm
Technician: Todd Green
Previous Customer: Y / N
Referral: Y / N
How did you hear about us?

19-014 Overhead Door Component replacement - FC1702

Customer Name: City of North Richland Hills

Address: 4301 City Point Drive

City, State, Zip: NRH, TX 76180

Contact: Chris Amanante Phone: 817-879-5810

Fax / Email: camarante@nrhtx.com

Door and Opener Information

Door Brand: _____

Years Old (approx.): _____

Opener Brand: _____

S	SS	C	NC	SC	W	CNC
DS	DI	CI	E	DR	WI	

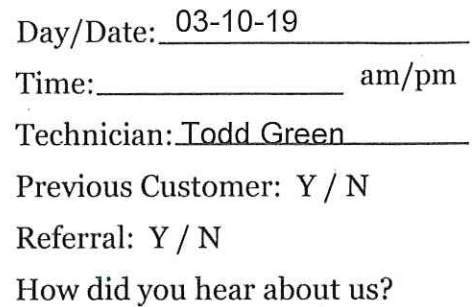
Warranty Info.
Service / Install-
Door Parts-
Door Panels-
Opener Parts-
Payment Info.
Cash _____
Check # _____
Credit Card Number _____

Type _____
Expiration _____
CV2 _____
Bill. Add. _____
Zip _____
App. # _____

Qty.	**continued - pg2	Description	Each	
		Inspection at the seven locations included over 40 commercial doors		
		and operators, including the associated components (electronic & mechanical)		
		. *In addition to determining new materials, and componets neede FCD		
		obtained the best professional scope of work for service & labor.		
		*Family Christian Doors (FCD) - Findings, Recommendations, and		
		objectives for The City of North Richland Hills are as follows.		
		*****Primary Objectives with current budget.		
		Bring all doors & automatic openers up to meet UL325 standards.		
		Entrapment protection - Safety for people & equipment - All doors &		
		Ops to have primary monitored entrapment protection - either with		
		photo sensor eyes UL325 / or with Safety sensor edge UL325		
		Seals & Weather stripping - All door openings at all facilities to have		
		good weather seal - using either Exterior allum retainer with seal, or		
		RA Exterior track seal, and were need interior Top seal. *****CONTINUED Pg 3		
Initial		I have been given safety eye demo and understand alignment is not covered under warranty.		

Notes: _____	Fax to: _____	Subtotal	
_____	Day/Date: _____	Taxable	
*Tarrant County Contract No 2018-136	PC: _____	Nontaxable	
_____	TR: _____	Tax	
_____		Total	

Authorized Signature	
X The Card issuer is authorized to pay the amount indicated as Total upon proper presentation. All pricing on services performed on this invoice were explained to me in detail and given my approval before any work/service was performed. I acknowledge receipt of goods and services in the amount above. I affirm my obligations under the Cardmember Agreement. Please retain receipt to validate warranty.	



19-014 Overhead Door Component replacement - FC1702

S	SS	C	NC	SC	W	CNC
DS	DI	CI	E	DR	WI	

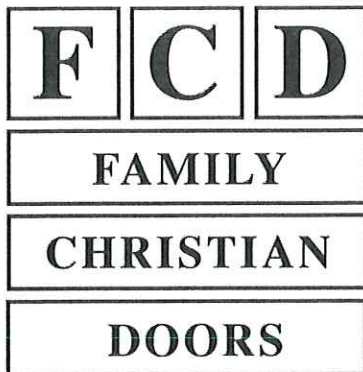
Qty.	**continued - pg3	Description	Each	
	****Primary Objectives with current budget. --**Continued**			
	*Performance - All doors & Ops at all locations listed - FCD will increase the performance			
	& extend the life span through complete door & Op service, and tune up. This process			
	includes everything from lubrication, to adjusting tracks, balanacing spring torsion systems			
	and more. Result will be doors and ops not dragging,or binding, and operating as they should.			
	**Scope of work, Materials, labor, Service, and Componets listed is detailed, however			
	it is impossible for FCD to have a all inclusive listing on a project of this type,			
	.**Because of this project type & budget in mind FCD promises to			
	achieve the primary objectives listed on this bid for "all" doors & Ops l			
	at "all" locations listed on this bid.			
	*****CONTINUED Pg 4			
Initial	I have been given safety eye demo and understand alignment is not covered under warranty.			

Notes: _____ _____ *Tarrant County Contract No 2018-136 _____ _____ _____	Fax to: _____	Subtotal	
	Day/Date: _____	Taxable	
	PC: _____ TR: _____	Nontaxable	
		Tax	
		Total	

Authorized Signature

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www.FamilyChristianDoors.com

1.877.780.4FCD
(4323)

Sharing the love of Christ...

From our family to yours!

Day/Date: 03-10-19

Time: _____ am/pm

Technician: Todd Green

Previous Customer: Y / N

Referral: Y / N

How did you hear about us?

19-014 Overhead Door Component replacement - FC1702

Customer Name: City of North Richland Hills

Address: 4301 City Point Drive

City, State, Zip: NRH, TX 76180

Contact: Chris Amanante Phone: 817-879-5810

Fax / Email: camarante@nrhtx.com

Door and Opener Information

Door Brand: _____

Years Old (approx.): _____

Opener Brand: _____

S	SS	C	NC	SC	W	CNC
DS	DI	CI	E	DR	WI	

Warranty Info.
Service / Install-
Door Parts-
Door Panels-
Opener Parts-
Payment Info.
Cash _____
Check # _____
Credit Card Number _____
Type _____
Expiration _____
CV2 _____
Bill. Add. _____
Zip _____
App. # _____

Qty.	**continued - pg4	Description	Each	
misc	3	Button wall console, Receiver kit, External antenna, remotes		4,660.00
36		Complete commercial door & opener services (various door sizes & various types & models of Ops (most old & some new).		6,444.00
1		10'2" x 8' 525s (New door) Chocolate brown with all new hardware		1,795.00
30		(*aprox 30 maybe more) Entrapment Safety Sensor & / or Edge		32,188.00
		**All doors/Ops at all locations to have either, or both depending on application. **CPU-Photo Sensors, Or Pneumatic edge with reel		
		.or - Miller 2 wire entrapment edge (**Some Ops require interface)		
5		New Operator - (depending on application) Jackshaft, or Trolley unit		6,500.00
misc		Seal - Allum exterior w/seal, or RA Ext side seal, & Top Seal(All Openings)		7,520.00
588		Commercial rollers 2" & 3" installed		6,804.00
misc		**a variety of End bearings, Cables, Supports, Springs, Hinges		4,290.00
4		Chain Hoist Repair & or Replacement		760.00
1		**Performance & Payment Bond		1,500.00
Initial		I have been given safety eye demo and understand alignment is not covered under warranty.	**price red for bid	(-4561.00)

Notes: *Tarrant County Contract No 2018-136

(3) Doors found to be in perfect working order - no work or componets needed

NOTE:: PRICE ADJUSTED & REDUCED TO BID

WITHIN BUDGET. Todd Green

Fax to: _____	Subtotal	
Day/Date: _____	Taxable	
PC: _____	Nontaxable	
TR: _____	Tax	
	Total	67,900.00

Authorized Signature

X

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1.877.780.4FCD
(4323)
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From our family to yours!

BGQ12109
Page 5

Day/Date: 05-22-19
Time: _____ am/pm
Technician: Todd Green
Previous Customer: Y / N
Referral: Y / N
How did you hear about us?

19-014 Overhead Door Component replacement - FC1702

Customer Name: The City of North Richland Hills
Address: 4301 City Point Drive
City, State, Zip: NRH, TX 76180
Contact: Chris Amanante Phone: 817-879-5810
Fax / Email: camarante@nrhtx.com

Door and Opener Information

Door Brand: _____
Years Old (approx.): _____
Opener Brand: _____

S	SS	C	NC	SC	W	CNC
DS	DI	CI	E	DR	WI	

Warranty Info.
Service / Install- 1 Year on all Door labor & workmanship
Door Parts- 1 Year on all new parts FCD Installed
Door Panels-
Opener Parts- 1 Yr Labor & Parts
Payment Info.
Cash _____
Check # _____
Credit Card Number _____
Type _____
Expiration _____
CV2 _____
Bill. Add. _____
Zip _____
App. # _____

Qty.	**continued - pg5	Description	Each
		Revision / addendum (additions, upgrades, changes) to Quote-Proposal	
		previously submitted by Family Christian Doors (FCD) *Details outlined below.	
		Not installing the new 10'2" x 8'door at "Parks Op"-instead full door overhaul	
		*Overhaul - full tune tune up, new supports, new rollers, bearings-NOTE: If repairs are too costly-FCD will replace.	
		*Opener on Parks Op door has photo eyes taped above motor **Not Code / not safe & would void warranty if it had one. *Replacing Op	
		*Upgrade Added on "Exit" doors for Fire Station # 1,2,&4 -Exits New Ops, Curtain, R&G Light, *MyQ	
10		Liftmaster Trolley T501 L5 Industrial-CPS-U (uil325) & 893mx remote, 3 Button Wall,	
10		Liftmaster Red/Green traffic with TSL1 card for interface	
10		Liftmaster LC36A Industrial Light Curtain	
16		*Approx-828LM liftmaster Gateway for MyQ ***Facilities Must have Wi-Fi for MyQ to work	
		**IMPORTANT ** A large concern of everyone concerned is the remote *RANGE* please take	
		note New Ops FCD is installing (Range is solved with MyQ) **OLDER Ops "CANT" be converted to MyQ- Old technology)	
		FCD- Will address all other Ops Range issues. FCD will work diligently to *SOLVE all range issues on the Old tech Ops	
		If a 850LM reciever is compatible we will convert, If not we will put External, &/or ext Long External to solve.	
		SOMETIMES INTERFERENCE IN AREA, AND OTHER ISSUES ARE BEYOND CONTROL & RANGE COULD BE LIMITED	
		I have been given safety eye demo and understand alignment is not covered under warranty.	

Notes: *Tarrant County Contract No 2018-136

****FCD- CAN COMPLETE PROJECT IN 7-10 WORKING DAYS**
****3 EXTRA DAYS ADDED TO TIME FRAME IN ORDER TO ALLOW WORKING AROUND FACILITIES EMPLOYEES, & OPERATIONS.**
NOTE:: Please allow 3-4 weeks to ship all product in.
***We order every Thursday & get delivery every Tues**
****In order to get needed price break, we would be buying in bulk shipped direct.**

Fax to: _____	Subtotal
Day/Date: _____	Taxable
PC: _____	Nontaxable
TR: _____	Tax exempt
	Total 67,900.00

TOTAL NOT CHANGED
JUST CARRIED FROM
PG3-SAME AS PREV.

Authorized Signature

X **NOTE:PRICING WAS BUNDLED & EXTREMELY DISCOUNTED TO ACHIEVE GOALS UNDER BUDGET**

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LC-36A

LIGHT CURTAIN



Protection for Personnel and Equipment

LiftMaster's® LC-36A Light Curtains provide 36 in. of coverage to keep your customers, employees and equipment safe. The LC-36A must be used with a primary entrapment device and be installed along the vertical plane of the door. The light curtains are NEMA 4 rated which provides protection against direct water spray and makes the LC-36A ideal for use in auto dealerships, fire stations, municipal garages and commercial storage facilities.

Performance

- **Color-coded transmitter and receiver** for easy identification.
- **Provides 36 in. of effective height coverage** to increase the area of protection.
- **Multiple sets of LC-36A curtains** can be mounted on a door providing coverage flexibility*.
- **Maximum door width of 33 ft.** ensures coverage for most commercial doors.
- **Eight (8) LEDs per side and 22 cross-beams** produce an invisible curtain of infrared light for maximum detection capability.
- **Solid LED lights** indicate correct sensor alignment, simplifying installation.
- **Green LED** on receiver flashes when interrupted, providing visible interrupt detection.

* See instruction manual for requirements.

The LiftMaster LC-36A is an ancillary device and must be used with a primary monitored entrapment device to maintain compliance with UL 325. The LiftMaster CPS-UN4, CPS-RPEN4, CPS-OPEN4 and CPS-U meet this requirement. Failure to use the appropriate sensor or failure to install the sensors properly, may expose the installer and customer to liability, should an accident occur.

LiftMaster's full line of Primary Monitored Photo Eyes



CPS-UN4

CPS-RPEN4

CPS-OPEN4

CPS-U

Optional Accessories:



External Power Supply (100MAPS)**

Provides enough power to operate two LC-36A Light Curtains. Includes 38 ft. cable leads.

** Required for use with LiftMaster Medium-Duty Operators. Available as an extra power source for use with LiftMaster Logic 3, 4 and 5.0 Operators.



2-Strand Bell Wire (20-2LM)

500 ft., 22 gauge, white and red/white wiring.



2-Strand Bell Wire (21-2LM)

500 ft., 22 gauge, white and black/white wiring.



7-Conductor Cable (65-7WIREL)

500 ft., 20 gauge, 7-wire spool. For use with all standard control stations, sensing edges or photo eyes.

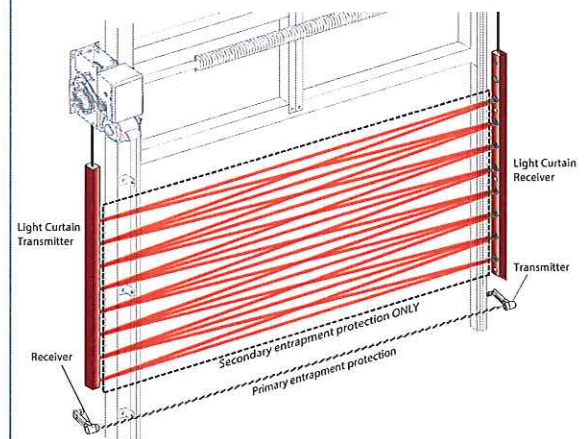


Image shows infrared beam pattern which is not visible to the naked eye.

LC-36A

LIGHT CURTAIN

SPEC SHEET

STANDARD SPECIFICATIONS

22VAC-24VAC/DC Ancillary Light Curtain with 36 in. effective height and cross-beam pattern

PRODUCT DIMENSIONS

Height: 0.63 in. (16mm)
Width: 0.47 in. (12mm)
Length: 47 in. (1194mm)

CARTON DIMENSIONS

Height: 2.5 in. (64mm)
Width: 2.75 in. (70mm)
Length: 49 in. (1245mm)

CARTON CONTENTS

1 Transmitter Curtain
1 Receiver Curtain
4 Mounting Brackets
4 Sets of Mounting Hardware
6 Electric Connectors
1 Blocking Shield
Installation Instructions

WARRANTY

2 year limited warranty

TECHNICAL SPECIFICATION

Maximum Alignment Range: 33 ft./10.2m
Min. Alignment Distance: 36 in. (3 ft.)/.91m

No required alignment if instructions are followed

Anodized aluminum housings

NEMA 4 rated enclosure/indoor use only

Temperature Range (Operating) - 40°C to + 60°C (-40°F to 140°F)
Terminal Interface Non-Monitored (Ancillary) 2-Wire

Color Code Sensors

Transmitter: Amber LED
Receiver: Green LED

ACCESSORY SPECIFICATIONS

100MAPS External Power Supply**

Input: 110VAC

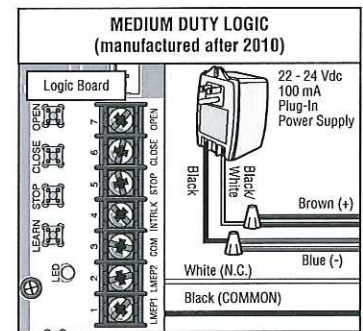
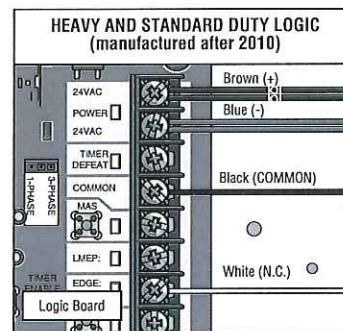
Output Voltage: 22VAC-24VAC

Output Amperage: 100mA

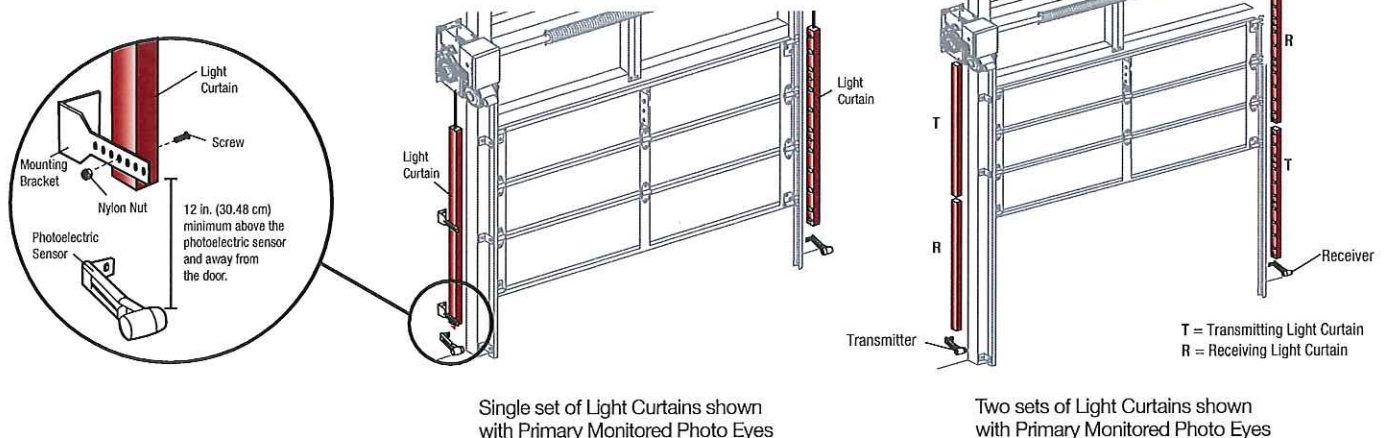
Cable Leads: 38 ft.

** Required for use with LiftMaster Medium-Duty Operators. Available as an extra power source for use with LiftMaster Logic 3, 4 and 5.0 Operators.

WIRING DIAGRAMS



Note: Please reference the LC-36A instruction manual for additional wiring diagrams.



TROLLEY (T)

LOGIC 5.0 COMMERCIAL DOOR OPERATOR



INDUSTRIAL-DUTY APPLICATIONS

STANDARD-LIFT SECTIONAL OVERHEAD DOORS

SUSPENDS FROM THE CEILING
Directly Attaches to Drive and Controls the Door

SMART

MyQ® TECHNOLOGY ENABLES MONITORING AND CONTROL OF THE FACILITY OPERATORS THROUGH A MOBILE APP.

GRID VIEW TO EFFICIENTLY MONITOR ALL THE DOORS IN THE FACILITY.

REAL-TIME ALERTS INDICATE THE STATUS OF DOORS VIA EMAIL OR PUSH NOTIFICATIONS.

CONNECTIVITY REQUIRES PURCHASE OF INTERNET GATEWAY (828LM) OR MyQ HOME BRIDGE (819LMB), SOLD SEPARATELY.

SAFE AND SECURE

SECURITY+ 2.0® SAFEGUARDS FACILITY ACCESS WITH ROLLING CODE TECHNOLOGY, OPENING FOR REGISTERED DEVICES ONLY.

TIMER-TO-CLOSE CAN BE PROGRAMMED TO CLOSE THE DOOR AFTER A SET AMOUNT OF TIME.

THE COMMERCIAL PROTECTOR SYSTEM® AUTO-REVERSES THE DOOR IF AN ENTRAPMENT PROTECTION DEVICE DETECTS AN OBSTRUCTION.

UL 325 REQUIRES ALL COMMERCIAL DOOR OPERATORS TO BE EITHER CONSTANT PRESSURE TO CLOSE OR BE EQUIPPED WITH A PRIMARY EXTERNAL MONITORED ENTRAPMENT DEVICE.

RELIABLE

CONTINUOUS-DUTY HIGH-STARTING TORQUE MOTOR PERFORMS IN DEMANDING INDUSTRIAL OVERHEAD DOOR APPLICATIONS.

WARRANTY 2 YEARS.

BEYOND INDUSTRY STANDARDS: LIFTMASTER® IS COMMITTED TO QUALITY PRODUCTS, INNOVATIVE DESIGN AND COMPREHENSIVE SERVICES.

MONITORED ENTRAPMENT PROTECTION:

COMMERCIAL PHOTO EYES

Indoor use; NEMA 1 rated; max. range: 30 ft.



CPS-U

RETRO-REFLECTIVE PHOTO EYE

Photo eye and reflector with polarized beam; indoor/outdoor use; NEMA 4X rated; max. range: 50 ft.



CPS-RPEN4

DUAL-SIDED PHOTO EYES

Flexible rubber housings resist water spray and corrosion; indoor/outdoor use; NEMA 4X rated; max. range: 45 ft.



CPS-OPEN4

COMMERCIAL PROTECTOR SYSTEM

Heavy-duty industrial housings; indoor/outdoor use; NEMA 4 rated; max. range: 45 ft.



CPS-UN4

OPTICAL EDGE SYSTEM

Infrared optical sensors in a customizable rubber enclosure are protected against water; indoor/outdoor use; NEMA 6 rated; max. range: 33 ft.



OES

NON-MONITORED ENTRAPMENT PROTECTION:

LIGHT CURTAIN

Provides 36 inches of increased zone coverage for additional protection; indoor use; max. range: 33 ft.



LC-36A

TOTAL SOLUTION ACCESSORIES:

ENCRYPTED DIP 3-BUTTON, 3-COLOR REMOTE CONTROL

Extreme-range remote programmable for open/close/stop operation.



813LM

INTERNET GATEWAY

Enables smartphone monitoring and control of each operator.



828LM

RED/GREEN TRAFFIC LIGHT

High-intensity LED lights indicate the door status for safe exit and entry in any light (TLS1CARD recommended).



RGL-CTL

LiftMaster offers accessory solutions for any commercial application. View the full product lineup at LiftMaster.com

PRODUCT GUIDE T
LOGIC 5.0 TROLLEY OPERATOR

LiftMaster

MASTERFUL ENGINEERING.

MOTOR



- Available in 1/3, 1/2, 3/4 and 1 HP
- Instant Reverse and Overload Protection
- Capacitor Start on Single-Phase
- Removable without Affecting Limit-Switch Settings

POWER



- Dual-Voltage Connections
 - Single-Phase: 115V and 230V
 - 3-Phase: 208V, 230V and 460V
 - Discrete Model: 575V
- Customizable Voltage to Meet Job Requirements
- 5V DC NEC Class 2 Control Voltage

COMMERCIAL-GRADE DESIGN



- Industrial Ball Bearings on Output Shaft
- Emergency Disconnect for Manual Lifting in an Emergency
- Solenoid Brake Standard on 3/4 and 1 HP Operators (Optional on 1/2 HP; Not Available on 1/3 HP)
- Drive Reduction: Heavy-Duty 5L V-Belt (First Stage); #41 Chain (Second Reduction)
- Trolley Chain: #48 for 1/3 and 1/2 HP, #41 for 3/4 and 1 HP

STANDARD SPECS.

SECURITY+ 2.0® RADIO RECEIVER

ACCEPTS:

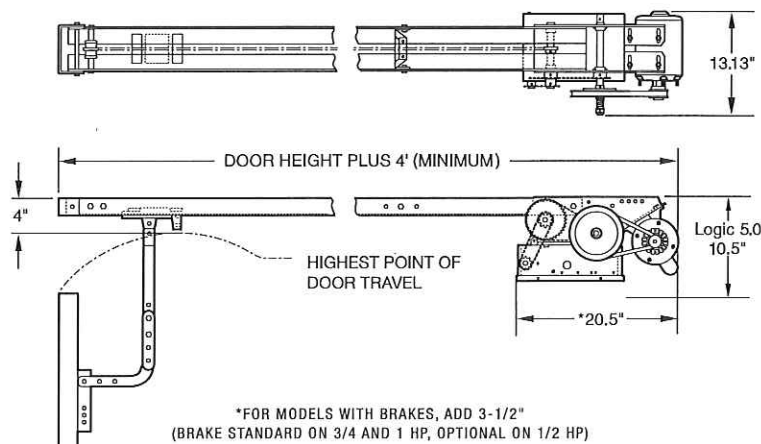
- (30) 3-Button Remote Controls or (90) 1-Button Remote Controls
- Additional 30 Wireless Keypads
- Unlimited DIP Switch Remotes

WIRING

- Control Function Selector Dial Allows Easy Selection of 7 Wiring Types to Meet Users' Needs
- C2 (Constant Pressure to Close) Wiring Preset
- Wiring Types B2, T, TS and FSTS Can Be Selected with the Addition of an Entrapment Protection Device
- Monitored Entrapment Protection Is Recommended When Using C2, D1 or E2
- Logic 5.0 Operators Only Accept UL-Approved LiftMaster® Entrapment Protection Devices

CONSTRUCTION

- NEMA 1 Type Electrical Box
- Heavy-Duty 11-Gauge Steel Frame with Durable Powder-Coated Finish
- All Reduction Sprockets Drilled and Pinned to Shafts
- Mid-Stop Enables Partial Openings to a Programmed Position for Environmental Control and Time Savings
- Adjustable Friction Clutch Protects the Door and Operator from Damage and Obstructions



MAXIMUM DOOR AREA (SQ. FT.)

STANDARD SECTIONAL	FIBERGLASS	24 GA., 22 GA. STEEL	20 GA. STEEL	16 GA. STEEL	16 GA. STEEL INSULATED
		ALUMINUM DOORS	WOOD DOORS	24 GA. STEEL INSULATED	
HP	1/3	310	285	260	125
	1/2	400	350	320	200
	3/4	560	500	450	275
	1	640	625	560	310

MODIFICATIONS AND ACCESSORIES. BUILT FOR ANY APPLICATION.

- Damp Environment (C-Prefix):** Moisture-Resistant Electrical Box, Push-Button Control Station and Photo Eyes with TEFC Motor and without Solenoid Brake
- TLS1CARD:** Timer Light Status Plug-In Option Card (Typically Used to Control Red/Green Traffic Light and Audible Devices)
- AUXCARD:** Auxiliary Contacts Plug-In Option Card (with Relays That Change State While the Door Is Moving and When the Operator Is Powered Down)
- Auxiliary Limits:** Auxiliary Limit Switches at Open and Closed Limits to Control Lights, Heaters, Dock Levelers and Other Auxiliary Devices

For more detailed information or to configure your model number, please visit Dealer.LiftMaster.com

828LM

INTERNET GATEWAY

Enables smartphone control for MyQ® products.



KEY FEATURES

ENABLES
Smartphone
Control

CONNECTS
Easily to a
Wi-Fi® Router

SMART

MONITOR AND CONTROL THE OPENER AND HOME LIGHTING FROM ANYWHERE USING MOBILE DEVICES.

FREE MyQ MOBILE APP TO EASILY SET UP AND CONTROL MyQ PRODUCTS.

REAL-TIME ALERTS INDICATE THE STATUS OF GARAGE DOORS, GATES AND LIGHTS VIA EMAIL OR PUSH NOTIFICATIONS.

WARRANTY 1-YEAR.

SMART EXTENSIONS:

REMOTE LIGHT CONTROL

Plug in any lamp to this device to control it with a smartphone or garage remote.



825LM

REMOTE LIGHT SWITCH

Replaces an existing wall switch to enable home lighting control with a smartphone or garage remote.



823LM

DOOR AND GATE MONITOR

Monitors and closes up to 4 garage doors or gates from any room in the house.



829LM

MASTERFUL ENGINEERING.

CAPACITY AND CONTROL



- Up to 16 MyQ®-Enabled Garage Door Openers, Commercial Operators and Light Controls



STANDARD SPECS.

SMART

MyQ RADIO



- Provides 2-way communication from the Internet Gateway to MyQ-enabled devices.
- Enables monitoring and control of garage door openers, commercial door operators, gate operators and lighting controls via smartphone, tablet or computer.

COMPATIBILITY



Works with the following

MyQ-enabled products:

- Garage Door Openers
- Logic 5.0 Commercial Door Operators
- Gate Operators
- Light Controls

SHIPPING.

SHIPPING WEIGHT (in lbs.)



CARTON (1)

2" x 4.25" x 6"

- 1 Internet Gateway
- 1 Ethernet Cable
- 1 Power Adapter
- 1 User Guide

MASTER PACK

6.5" x 8.25" x 13"

- Quantity: 12 Units
- Weight: 6 lbs.

PALLET

43" x 40" x 48"

- Quantity: 1,296 Units
- Weight: 648 lbs.

LC-36A

LIGHT CURTAIN



Protection for Personnel and Equipment

LiftMaster's® LC-36A Light Curtains provide 36 in. of coverage to keep your customers, employees and equipment safe. The LC-36A must be used with a primary entrapment device and be installed along the vertical plane of the door. The light curtains are NEMA 4 rated which provides protection against direct water spray and makes the LC-36A ideal for use in auto dealerships, fire stations, municipal garages and commercial storage facilities.

Performance

- **Color-coded transmitter and receiver** for easy identification.
- **Provides 36 in. of effective height coverage** to increase the area of protection.
- **Multiple sets of LC-36A curtains** can be mounted on a door providing coverage flexibility*.
- **Maximum door width of 33 ft.** ensures coverage for most commercial doors.
- **Eight (8) LEDs per side and 22 cross-beams** produce an invisible curtain of infrared light for maximum detection capability.
- **Solid LED lights** indicate correct sensor alignment, simplifying installation.
- **Green LED** on receiver flashes when interrupted, providing visible interrupt detection.

* See instruction manual for requirements.

The LiftMaster LC-36A is an ancillary device and must be used with a primary monitored entrapment device to maintain compliance with UL 325. The LiftMaster CPS-UN4, CPS-RPEN4, CPS-OPEN4 and CPS-U meet this requirement. Failure to use the appropriate sensor or failure to install the sensors properly, may expose the installer and customer to liability, should an accident occur.

LiftMaster's full line of Primary Monitored Photo Eyes



CPS-UN4

CPS-RPEN4

CPS-OPEN4

CPS-U

Optional Accessories:



External Power Supply (100MAPS)**

Provides enough power to operate two LC-36A Light Curtains. Includes 38 ft. cable leads.

** Required for use with LiftMaster Medium-Duty Operators. Available as an extra power source for use with LiftMaster Logic 3, 4 and 5.0 Operators.



2-Strand Bell Wire (20-2LM)

500 ft., 22 gauge, white and red/white wiring.



2-Strand Bell Wire (21-2LM)

500 ft., 22 gauge, white and black/white wiring.



7-Conductor Cable (65-7WIREL)

500 ft., 20 gauge, 7-wire spool. For use with all standard control stations, sensing edges or photo eyes.

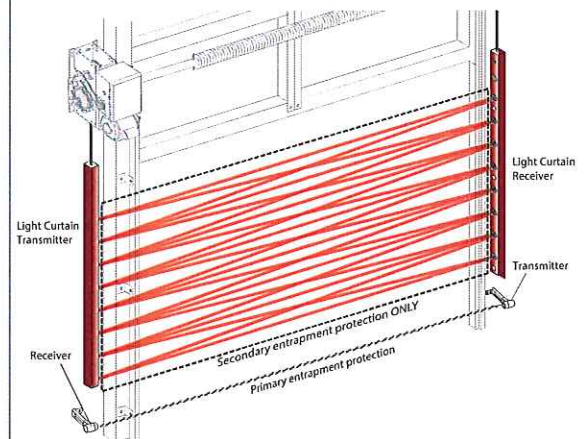


Image shows infrared beam pattern which is not visible to the naked eye.

LC-36A

LIGHT CURTAIN

SPEC SHEET

STANDARD SPECIFICATIONS

22VAC-24VAC/DC Ancillary Light Curtain with 36 in. effective height and cross-beam pattern

PRODUCT DIMENSIONS

Height: 0.63 in. (16mm)
Width: 0.47 in. (12mm)
Length: 47 in. (1194mm)

CARTON DIMENSIONS

Height: 2.5 in. (64mm)
Width: 2.75 in. (70mm)
Length: 49 in. (1245mm)

CARTON CONTENTS

1 Transmitter Curtain
1 Receiver Curtain
4 Mounting Brackets
4 Sets of Mounting Hardware
6 Electric Connectors
1 Blocking Shield
Installation Instructions

WARRANTY

2 year limited warranty

TECHNICAL SPECIFICATION

Maximum Alignment Range: 33 ft./10.2m
Min. Alignment Distance: 36 in. (3 ft.)/.91m

No required alignment if instructions are followed

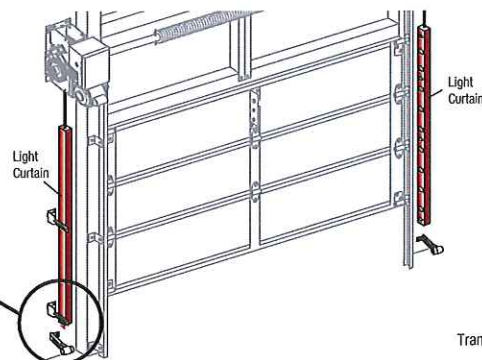
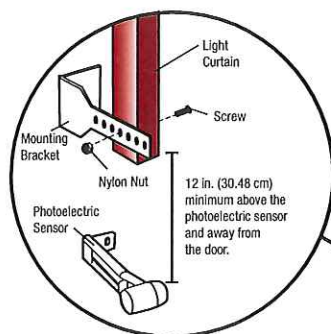
Anodized aluminum housings

NEMA 4 rated enclosure/indoor use only

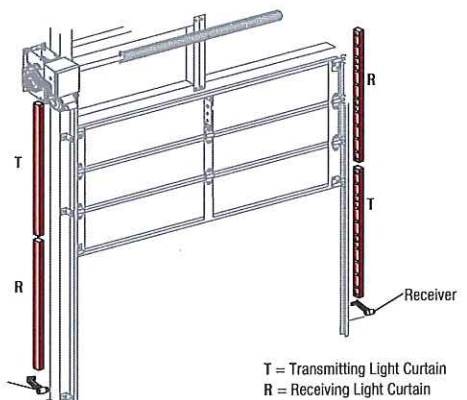
Temperature Range (Operating) - 40°C to + 60°C (-40°F to 140°F)
Terminal Interface Non-Monitored (Ancillary) 2-Wire

Color Code Sensors

Transmitter: Amber LED
Receiver: Green LED



Single set of Light Curtains shown with Primary Monitored Photo Eyes



Two sets of Light Curtains shown with Primary Monitored Photo Eyes

ACCESSORY SPECIFICATIONS

100MAPS External Power Supply**

Input: 110VAC

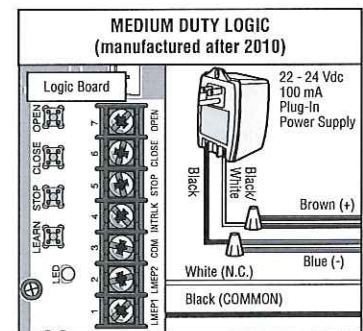
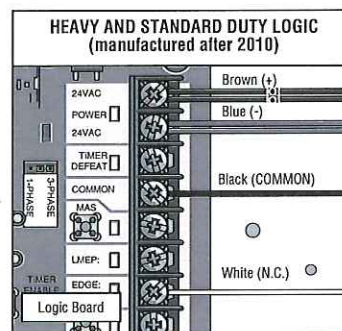
Output Voltage: 22VAC-24VAC

Output Amperage: 100mA

Cable Leads: 38 ft.

** Required for use with LiftMaster Medium-Duty Operators. Available as an extra power source for use with LiftMaster Logic 3, 4 and 5.0 Operators.

WIRING DIAGRAMS



Note: Please reference the LC-36A instruction manual for additional wiring diagrams.

LiftMaster®

3-CHANNEL UNIVERSAL RECEIVER MODELS 850LM AND 850LMC

APPLICATION

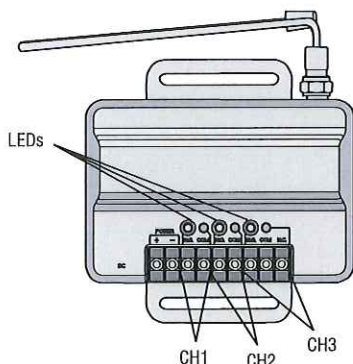
The receiver can be used as a single or three channel receiver to control up to 3 gates or commercial door operators. The receiver can also be used with a 3-button remote control to operate the OPEN, CLOSE, and STOP feature on a commercial door operator. The receiver is not for use with MyQ® enabled garage door openers or devices.

Each channel is compatible with a certain number of remote controls and keypads. Refer to the list below:

- CH1: 50 remote controls and 2 keypads
- CH2: 20 remote controls and 2 keypads
- CH3: 20 remote controls and 2 keypads

When the channel has reached full capacity for remote controls, all LEDs will blink 3 times. When the channel has reached full capacity for keypads, all LEDs will blink 4 times. Additional accessories can be programmed, however, the newly programmed accessory will replace the first programmed accessory.

NOTE: The receiver will only allow you to program a button on the remote control to one channel at a time. For example, if the button on the remote control is already programmed to channel 1 and then is programmed to channel 3, the button will be erased from channel 1 and will only work on channel 3.



INSTALLATION

The receiver and antenna use TV Type F coaxial connectors. The antenna can be connected directly to the receiver or it can be installed remotely using a coaxial cable extension kit (Model 86LM, 15 ft. or 86LMT, 25 ft.).

- 1 Select a location for the receiver which allows access to the terminals and space for the antenna. Ensure antenna does not touch metal surfaces. DO NOT bend or fold the antenna.
- 2 Fasten the receiver securely with the hook and loop fasteners (provided) or screws (not provided).
- 3 After installation is complete, connect power. You may use 85LM plug-in or 95LM wired-in transformer, or power provided from your operator (9-30 V AC, 9-34 Vdc or see power ratings on next page).

NOTE: The receiver can command the operator to close the door or gate by constant pressure. This feature is only available with a wireless control panel (Model 885LM). To enable this feature, press and hold the push bar until the gate or garage door moves to the closed position.

⚠️ WARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution:

- Be sure power is NOT connected BEFORE installing the receiver.
- To prevent possible SERIOUS INJURY or DEATH from a moving gate or garage door:
 - ALWAYS keep remote controls out of reach of children. NEVER permit children to operate, or play with remote control transmitters.
 - Activate gate or door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
 - ALWAYS keep gate or garage door in sight until completely closed. NEVER permit anyone to cross path of moving gate or door.

⚠️ WARNING

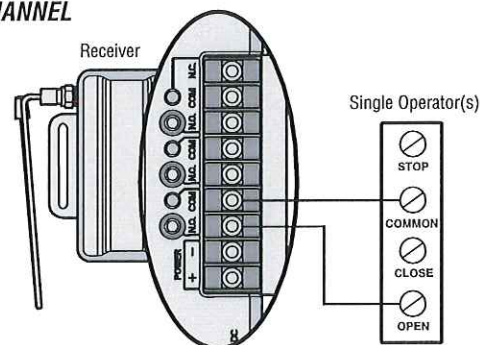
To prevent possible SERIOUS INJURY or DEATH, the use of CONSTANT OPERATION on residential openers is PROHIBITED.

When a receiver is used to activate a commercial door opener, a reversing edge MUST be installed on the bottom of the door. Failure to install a reversing edge under these circumstances may result in SERIOUS INJURY or DEATH to persons trapped beneath the door.

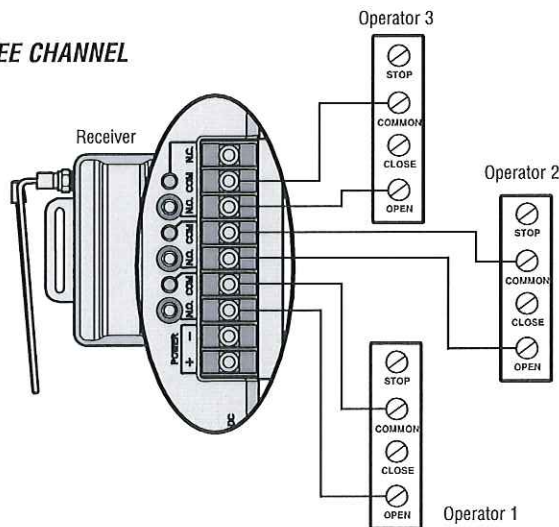
WIRING

Refer to your commercial door operator or gate operator owner manual or wiring diagrams for specific wiring information.

SINGLE CHANNEL

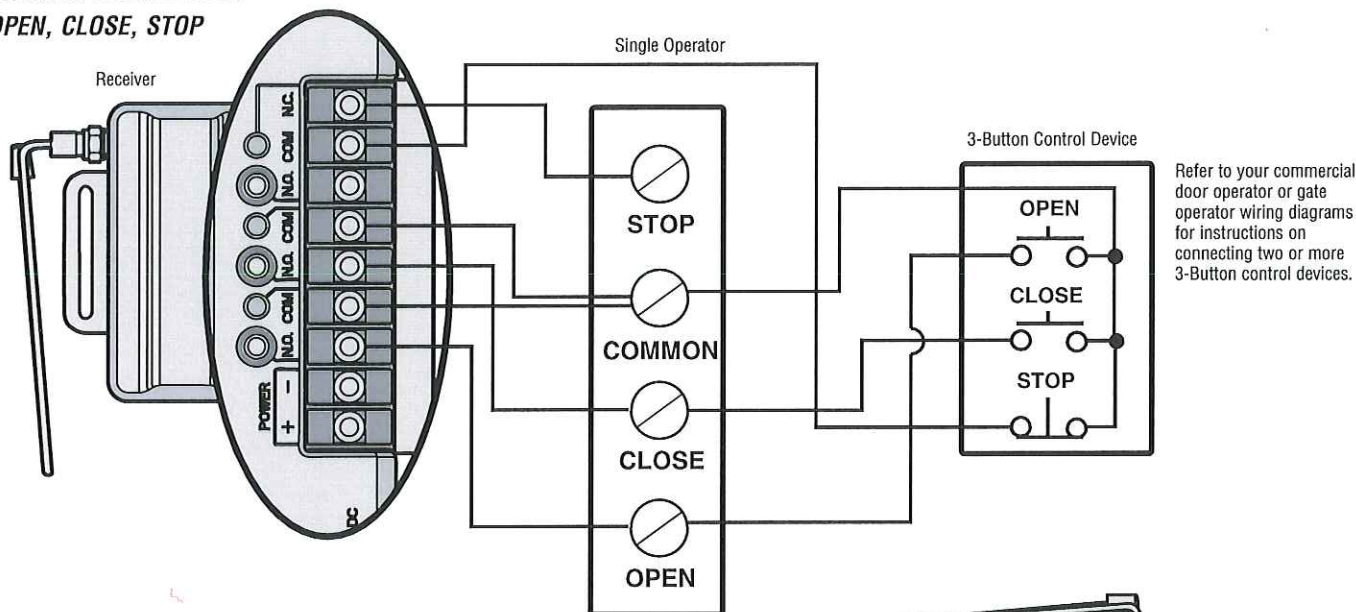


THREE CHANNEL



WIRING CONTINUED

OPEN, CLOSE, STOP



PROGRAMMING

PROGRAM A SINGLE BUTTON REMOTE CONTROL

- 1 Press and release the Learn button for the selected channel on the receiver. The corresponding LED will glow steadily for 30 seconds.
- 2 Within 30 seconds press and hold the button on the remote control that you wish to program to the receiver.
- 3 Release the remote control button when the LED on the receiver blinks, then turns off. Programming is complete.

Repeat the steps above for each remote control you would like to program.

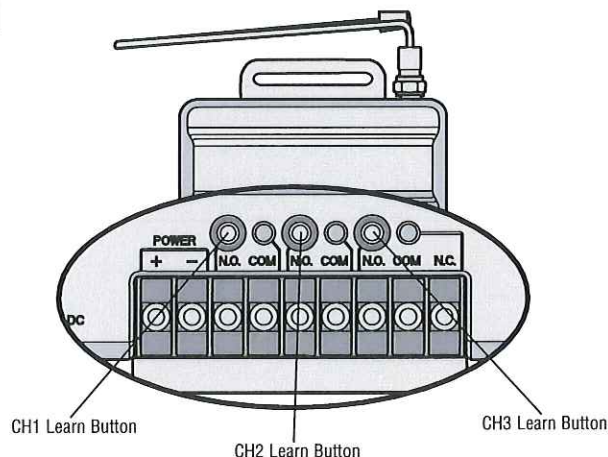
PROGRAM A 3-BUTTON REMOTE CONTROL AS OPEN, CLOSE, AND STOP

- 1 Press and release the CH1 Learn button on the receiver.
- 2 Within 30 seconds press the desired OPEN button on the remote control.
- 3 Press and release the CH2 Learn button on the receiver.
- 4 Within 30 seconds press the desired CLOSE button on the remote control.
- 5 Press and release the CH3 Learn button on the receiver.
- 6 Within 30 seconds press the desired STOP button on the remote control.

NOTE: If a remote control button is not pressed within 30 seconds, the LED next to the selected Learn button will turn OFF. In that case, repeat the programming.

TO ERASE THE MEMORY

- 1 Press and hold the Learn button for the channel you want to erase. Release the button when the corresponding LED turns off; the memory has been erased.



SPECIFICATIONS

Contact Rating 5 Amps 28 Vac or dc Max.
Power 9-30V AC or 9-34V DC, 50mA, 60Hz
RF Frequency: 310, 315, and 390 MHz

NOTE: If your operator does not meet the power specifications you will need a transformer (Model 85LM plug-in or 95LM wired-in).

COMPATIBLE ACCESSORIES

Remote Controls Models 811LM, 813LM, 891LM, 893LM, 890MAX, 893MAX, 895MAX, 892LT, 894LT
Keypads Models 877LM, 877MAX
Antenna Extension Kits Models 86LM, 86LMT
Antenna Only K77-36541

NOTICE: To comply with FCC and/or Industry Canada (IC) rules, adjustment or modifications of this receiver are prohibited. THERE ARE NO USER SERVICEABLE PARTS.
This device complies with Part 15 of the FCC rules and IC RSS-210. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FOR TECHNICAL SUPPORT DIAL OUR TOLL FREE NUMBER:

1-800-528-2806

UTILISATION

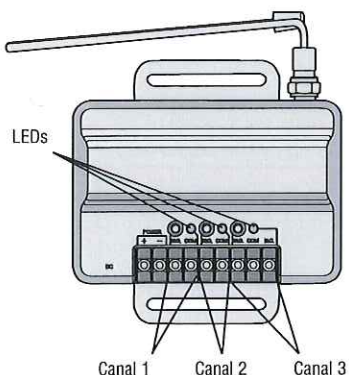
Cet appareil peut s'utiliser comme récepteur à un ou trois canaux de manière à commander jusqu'à trois ouvre-porte ou ouvre-portail commerciaux. Il peut aussi s'utiliser avec une télécommande à 3 boutons pour actionner les fonctions OUVERTURE, FERMETURE et ARRÊT d'un ouvre-porte commercial. Il n'est pas pour conçu pour fonctionner avec les ouvre-porte et autres appareils compatibles MyQ®.

Chaque canal est compatible avec un certain nombre de télécommandes et de claviers comme indiqué ci-dessous :

- Canal 1 : 50 télécommandes et 2 claviers
- Canal 2 : 20 télécommandes et 2 claviers
- Canal 3 : 20 télécommandes et 2 claviers

Lorsque le canal a atteint la pleine capacité des télécommandes, tous les témoins DEL clignotent trois fois. Lorsque le canal a atteint la pleine capacité des claviers, tous les témoins DEL clignotent quatre fois. On peut programmer des accessoires supplémentaires; toutefois, l'accessoire nouvellement programmé remplacera celui qui a été programmé en premier.

REMARQUE : Le récepteur ne vous permet de programmer un bouton de télécommande que pour un seul canal à la fois. Par exemple, si le bouton de la télécommande est déjà programmé pour le canal 1, puis pour le canal 3, il sera effacé du canal 1 et ne fonctionnera que sur le canal 3.



INSTALLATION

Le récepteur et l'antenne utilisent des connecteurs coaxiaux de type F. L'antenne peut être connectée directement au récepteur ou installée à distance avec une rallonge coaxiale modèle 86LM (4,57 m) ou 86LMT (7,62 m).

- 1 Choisir pour installer le récepteur un emplacement permettant d'accéder aux bornes et laissant assez d'espace pour l'antenne. S'assurer que l'antenne ne touche pas de surfaces métalliques. NE PAS plier ou courber l'antenne.
- 2 Fixer solidement le récepteur avec les bandes auto-agrippantes (fournies) ou avec des vis (non fournies).
- 3 Une fois l'installation terminée, branchez le cordon d'alimentation. Vous pouvez utiliser un transformateur 85LM à prise ou 95LM à câble, ou alimenté par votre opérateur (9-30 V c.a., 9-34 V c.c. ou consultez les régimes d'alimentation à la page suivante).

REMARQUE : Le récepteur peut commander à l'opérateur de fermer la porte ou le portail par une pression constante. Cette fonction est uniquement disponible avec un panneau de commande sans fil (modèle 885LM). Pour activer cette fonction, appuyez sur la barre de poussée et gardez-la enfoncée jusqu'à ce que le portail ou la porte de garage se déplace vers la position fermée.



AVERTISSEMENT

Pour prévenir le risque de BLESSURES GRAVES ou de DÉCÈS par électrocution :

- S'assurer que l'alimentation n'est PAS branchée AVANT d'installer le récepteur.
- Pour prévenir le risque de BLESSURES GRAVES ou de DÉCÈS causés par un portail ou une porte de garage en mouvement :
- TOUJOURS tenir les télécommandes hors de portée des enfants. Ne JAMAIS laisser un enfant utiliser une télécommande ou jouer avec.
 - Actionner la porte ou le portail UNIQUEMENT lorsqu'ils sont bien visibles et bien ajustés et que rien ne fait obstacle à leur mouvement.
 - TOUJOURS surveiller du regard le portail ou la porte de garage jusqu'à sa fermeture complète. Ne JAMAIS laisser personne franchir une porte ou un portail en mouvement.



AVERTISSEMENT

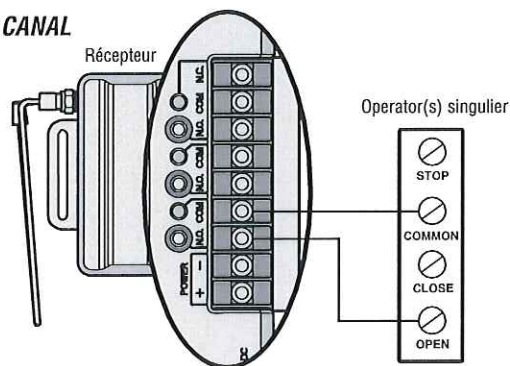
Pour prévenir le risque de BLESSURES GRAVES ou de DÉCÈS, il est INTERDIT d'utiliser les ouvre-porte résidentiels EN FONCTIONNEMENT CONTINUËL.

Avant d'utiliser un récepteur pour actionner un ouvre-porte commercial, il est IMPÉRATIF d'installer une tranche de sécurité (barre palpeuse) au bas de la porte. L'absence de tranche de sécurité convenablement installée peut entraîner des BLESSURES GRAVES ou un DÉCÈS si quelqu'un se retrouve coincé sous la porte.

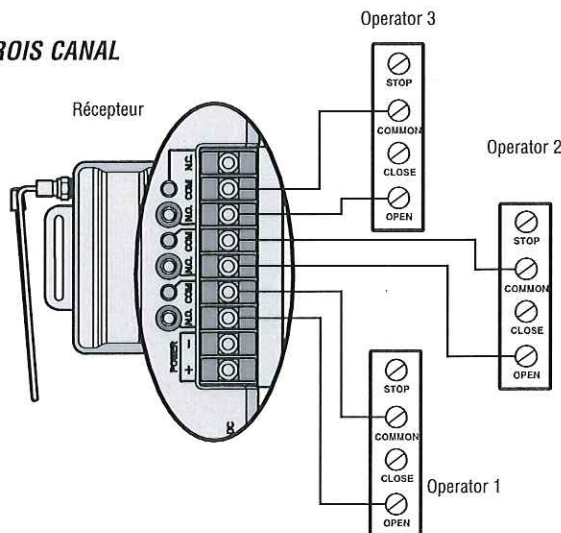
CÂBLAGE

Pour obtenir des informations précises sur le câblage, consulter la notice ou les schémas de câblage de l'ouvre-porte ou ouvre-portail.

UN CANAL

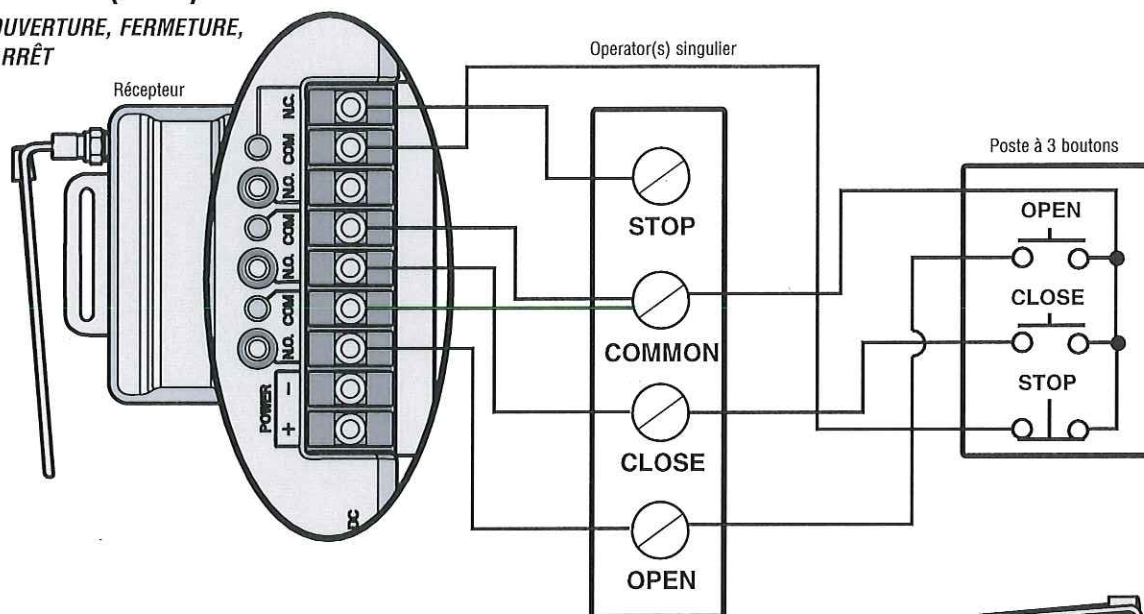


TROIS CANAL



CÂBLAGE (SUITE)

OUVERTURE, FERMETURE,
ARRÊT



Consulter les schémas de câblage de l'ouvre-porte ou de l'ouvre-portail pour obtenir des instructions sur la connexion de deux ou plusieurs télécommandes à 3 boutons.

PROGRAMMATION

PROGRAMACIÓN DE UN CONTROL REMOTO DE 1 BOTÓN

- 1 Presser et relâcher le bouton de programmation du canal sélectionné sur le récepteur. Le témoin correspondant s'allume et reste allumé pendant 30 secondes.
 - 2 Dans les 30 secondes, presser et maintenir enfoncé le bouton de la télécommande à programmer pour ce récepteur.
 - 3 Le témoin du récepteur se met à clignoter, puis s'éteint. Relâcher alors le bouton de la télécommande. La programmation est terminée.
- Répéter les étapes ci-dessus pour chaque télécommande à programmer.

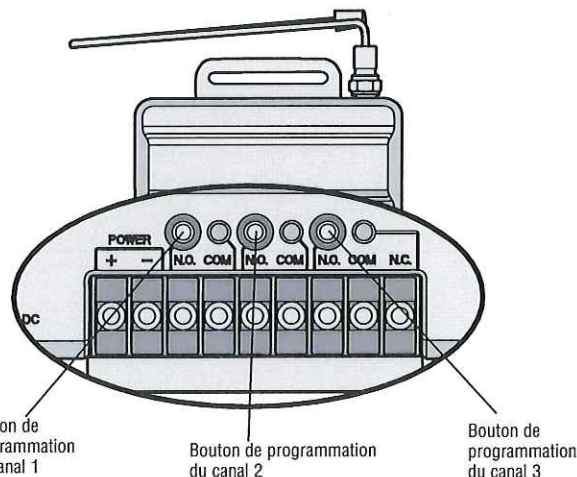
PROGRAMMATION DES FONCTIONS OUVERTURE, FERMETURE ET ARRÊT D'UNE TÉLÉCOMMANDE À 3 BOUTONS

- 1 Presser et relâcher le bouton de programmation du canal 1 sur le récepteur.
- 2 Dans les 30 secondes, appuyer sur le bouton d'ouverture souhaité sur la télécommande.
- 3 Presser et relâcher le bouton de programmation du canal 2 sur le récepteur.
- 4 Dans les 30 secondes, appuyer sur le bouton de fermeture souhaité sur la télécommande.
- 5 Presser et relâcher le bouton de programmation du canal 3 du récepteur.
- 6 Dans les 30 secondes, appuyer sur le bouton d'arrêt souhaité sur la télécommande.

REMARQUE : Si aucun bouton de la télécommande n'est enfoncé dans les 30 secondes, le témoin du bouton de programmation sélectionné s'éteint. Dans ce cas, recommencer la programmation.

POUR EFFACER LA MÉMOIRE

- 1 Presser et maintenir enfoncé le bouton de programmation du canal à effacer. Relâcher le bouton lorsque le témoin correspondant s'éteint. La mémoire est alors effacée.



CARACTÉRISTIQUES TECHNIQUES

Régime de contact 5 A, 28 V (c.a. ou c.c.) max.
Alimentation 9 à 30 V c.a. ou 9 à 34 V c.c., 50 mA, 60 Hz
Fréquences radio 310, 315 et 390 MHz

REMARQUE : Si l'ouvre-porte ou l'ouvre-portail ne répond pas à ces spécifications électriques, il est nécessaire d'utiliser un transformateur modèle 85LM (à fiche de branchement) ou 95LM (à câblage direct).

ACCESSOIRES COMPATIBLES

Télécommandes . . Modèles 811LM, 813LM, 891LM, 893LM, 890MAX, 893MAX, 895MAX, 892LT, 894LT
Claviers Modèles 877LM, 877MAX
Rallonges d'antenne Modèles 86LM, 86LMT
Antenne seule K77-36541

AVIS : Conformément aux règlements de la FCC et d'Industrie Canada, il est interdit de modifier ce récepteur ou ses réglages d'origine. CET APPAREIL NE COMPORTE AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'UTILISATEUR.

Cet appareil est conforme à la partie 15 des règlements de la FCC et à la norme RSS-210 d'Industrie Canada. Son utilisation est subordonnée aux deux conditions suivantes : (1) l'appareil ne doit pas causer d'interférences nuisibles et (2) l'appareil doit accepter toute interférence reçue, y compris celles qui pourraient un fonctionnement indésirable.

POUR L'ASSISTANCE TECHNIQUE, APPELER LE NUMÉRO SANS FRAIS SUIVANT :

1-800-528-2806

LiftMaster®

APLICACIÓN

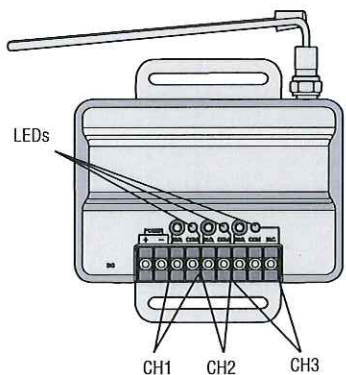
El receptor puede utilizarse con uno o con tres canales para comandar hasta tres portones o abre-puertas comerciales. El receptor también puede utilizarse con un control remoto de 3 botones para comando de APERTURA, CIERRE Y PARADA de un abre-puerta de uso comercial. No usar el receptor con abre-puertas o dispositivos con tecnología MyQ®.

Cada canal es compatible con cierta cantidad de controles remotos y teclados. Véase la siguiente lista:

- CH1: 50 controles remotos y 2 teclados
- CH2: 20 controles remotos y 2 teclados
- CH3: 20 controles remotos y 2 teclados

Cuando el canal alcanza máxima capacidad para controles remotos, todos los LED destellarán tres veces. Cuando el canal alcanza máxima capacidad para teclados, todos los LED destellarán cuatro veces. Si bien pueden programarse otros accesorios, los últimos accesorios programados ocuparán el lugar de los primeros.

NOTA: El receptor permitirá programar un botón del control remoto con un sólo canal a la vez. Por ejemplo, si el botón en el control remoto ya estuviera programado en el canal 1 y luego se programa en el canal 3, se borrará la programación en el canal 1 y sólo funcionará en el canal 3.



INSTALACIÓN

El receptor y la antena utilizan conectores coaxiales Tipo F para TV. La antena puede conectarse directamente al receptor o instalarse a distancia con el juego prolongador de cable coaxial Modelo 86LM de 15 pies u 86LMT de 25 pies).

- 1 Elegir un lugar para instalar el receptor, donde haya espacio para acceder a los terminales y para la antena. La antena no debe tocar partes metálicas. NO doblar la antena.
- 2 Fijar el receptor con las cintas suministradas o con tornillos (no suministrados).
- 3 Al finalizar la instalación conecte la alimentación eléctrica. Puede usar un transformador enchufable 85LM o conectado con cables 95LM, o alimentación de la unidad operadora en 9-30 VCA, 9-34 VCC (véanse los tipos de alimentación en la página siguiente).

NOTA: El receptor puede comandar a la unidad operadora el cierre de la puerta por presión constante. Esta función está disponible únicamente con un panel de control inalámbrico (Modelo 885LM). Para activar esta función oprimir el pulsador del control hasta que la puerta se desplace hasta la posición cerrada.

CONTROL DE RADIO UNIVERSAL CON 3 CANALES

MODELO 850LM

⚠️ ADVERTENCIA

Para evitar posibles accidentes LESIVOS e incluso MORTALES de electrocución:

- ANTES de instalar el receptor verificar que NO esté conectada la alimentación eléctrica.

Para evitar accidentes LESIVOS e incluso MORTALES con un portón o una puerta de garaje en movimiento:

- SIEMPRE conserve los controles remotos lejos del alcance de los niños. NUNCA permita a los niños usar ni jugar con un control remoto.
- Abra/cierre una puerta o portón ÚNICAMENTE cuando pueda verla claramente, esté correctamente instalada y no hayan obstrucciones en su trayectoria.
- SIEMPRE mantenga a la vista el portón o la puerta de garaje hasta que esté totalmente cerrada. NUNCA permita que alguien cruce bajo una puerta de garaje en movimiento.

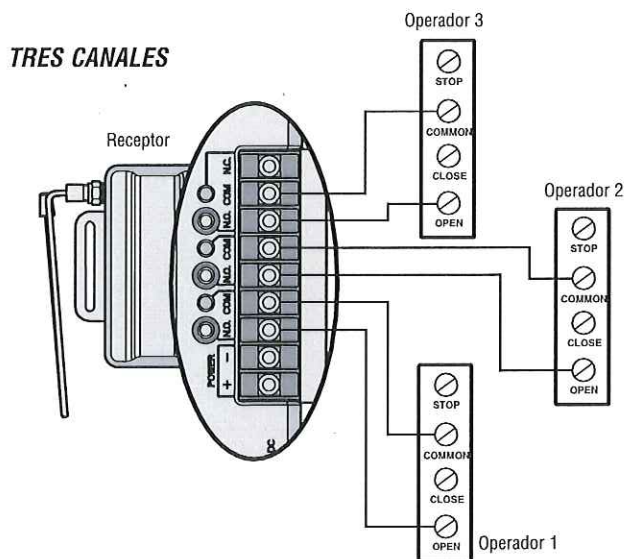
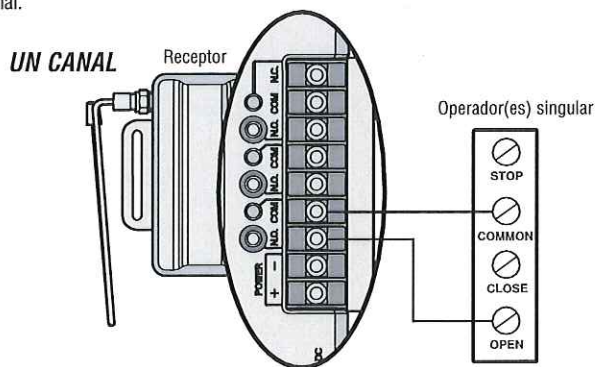
⚠️ ADVERTENCIA

Para evitar posibles accidentes LESIVOS e incluso MORTALES, está PROHIBIDA la OPERACIÓN CONSTANTE de abre-puertas de uso residencial.

Cuando se utiliza un receptor para activar un abre-puerta de uso comercial DEBE instalarse un borde de inversión de marcha en la parte inferior de la puerta para evitar accidentes LESIVOS e incluso MORTALES en el caso de que una persona quede atrapada bajo la puerta.

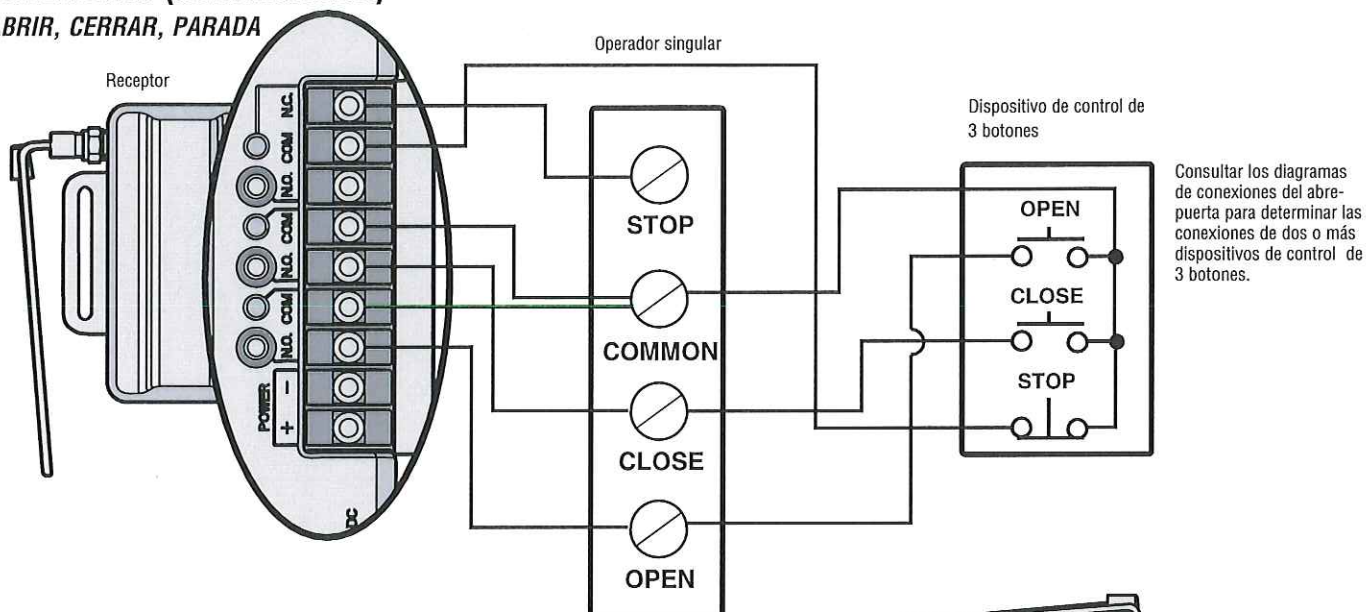
CONEXIONES

Para hacer las conexiones, consultar el manual o los diagramas del abre-puerta comercial.



CONEXIONES (CONTINUACIÓN)

ABRIR, CERRAR, PARADA



PROGRAMACIÓN

PROGRAMACIÓN DE UN CONTROL REMOTO DE 1 BOTÓN

- 1 Pulsar el botón Learn del canal seleccionado en el receptor. El LED correspondiente se encenderá durante 30 segundos.
- 2 Dentro de los siguientes 30 segundos mantenga oprimido el botón del control remoto que desea programar para el receptor.
- 3 Después que el LED del receptor se encienda y apague, suelte el botón del control remoto. La programación ha finalizado.

Repita los pasos anteriores para cada control remoto que desee programar.

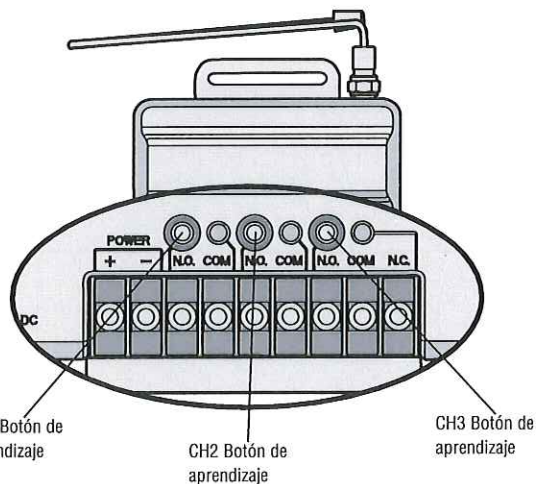
PROGRAMACIÓN DE UN CONTROL REMOTO DE 3 BOTONES PARA ABRIR, CERRAR Y PARAR

- 1 Pulsar el botón Learn de CH1 en el receptor.
- 2 Dentro de los siguientes 30 segundos oprima el botón de ABRIR del control remoto.
- 3 Pulsar el botón Learn de CH2 en el receptor.
- 4 Dentro de los siguientes 30 segundos oprima el botón de CERRAR del control remoto.
- 5 Pulsar el botón Learn de CH3 en el receptor.
- 6 Dentro de los siguientes 30 segundos oprima el botón de PARAR del control remoto.

NOTA: Si no se oprime un botón del control remoto en 30 segundos, el LED del botón Learn seleccionado se apagará. En tal caso, repetir la programación.

PARA BORRAR LA MEMORIA

- 1 Mantener oprimido el botón Learn del canal que desea borrar. Al apagarse el LED soltar el botón. La memoria se ha borrado.



ESPECIFICACIONES TÉCNICAS

Capacidad de contactos..... 5 Amp., 28 VCA o de CC, máximo
Alimentación eléctrica 9-30 VCA o 9-34 VCC, 50 mA, 60 Hz
Radio frecuencia:..... 310, 315 y 390 MHz

NOTA: Si el abre-puerta en uso no responde a las especificaciones de alimentación eléctrica es necesario usar un transformador (Modelo 85LM con enchufe o 95LM con cables).

ACCESORIOS COMPATIBLES

Controles remoto..... Modelos 811LM, 813LM, 891LM, 893LM, 890MAX, 893MAX, 895MAX, 892LT, 894LT
Teclados..... Modelos 877LM, 877MAX
Kit de extensión de la antena..... Modelos 86LM, 86LMT
Antena solamente K77-36541

AVISO: La modificación de este receptor está prohibida por la FCC y/o las normas canadienses IC. NO HAY PIEZAS REPARABLES POR EL USUARIO.

Este dispositivo cumple con la Parte 15 de las normas de la FCC y de las normas canadienses IC RSS-210. El uso está condicionado a lo siguiente: (1) Este dispositivo no debe causar interferencia y (2) este dispositivo debe ser apto para recibir interferencia, aunque la misma pueda afectar su funcionamiento.

NÚMERO SIN CARGO PARA SERVICIO TÉCNICO:

1-800-528-2806

APPLICATION

This addendum is to provide wiring instructions for model RDGRNTL red/green light control box in conjunction with LiftMaster Logic 4 (L4) commercial door operators incorporating the model TLS1CARD option card. Refer to the TLS1CARD instructions for installation and programming.

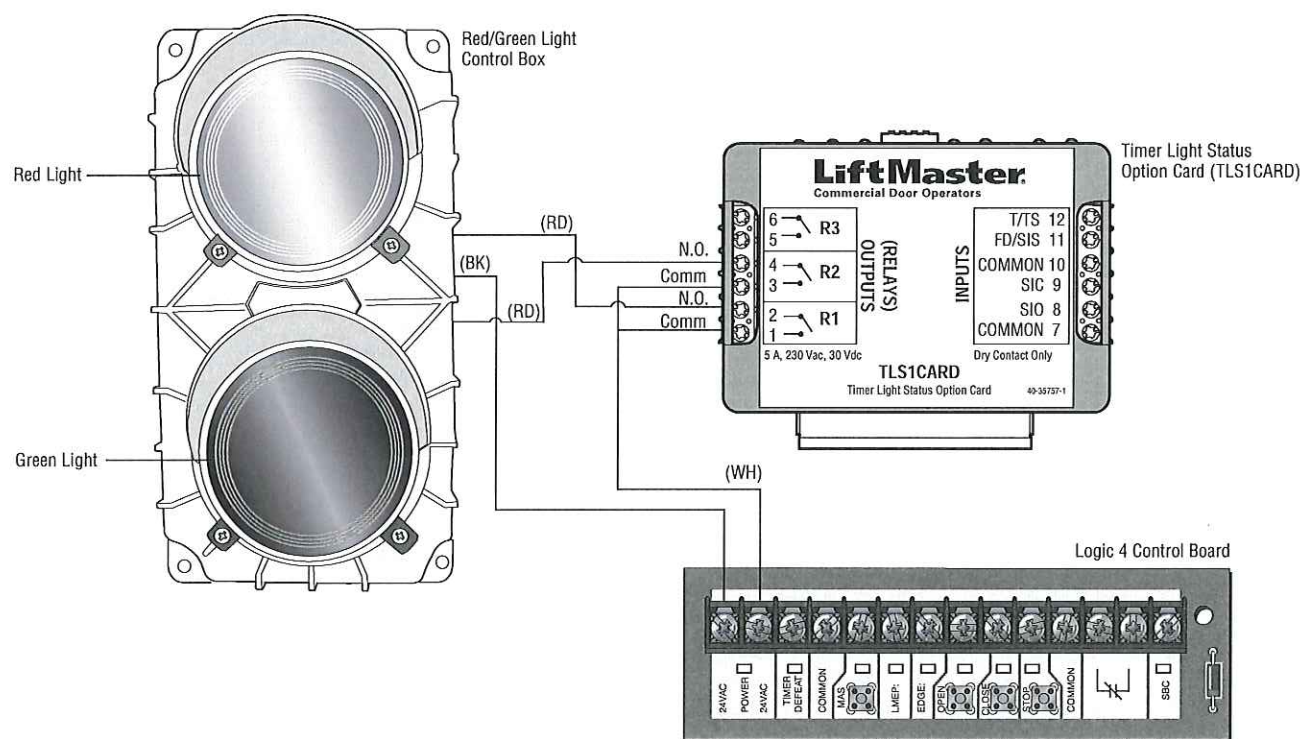
NOTE: In most cases the RDGRNTL can be powered by the operator's transformer. If multiple accessories will be powered by the operator, such as 2 sets of RDGRNTL and photoelectric sensors, a transformer upgrade may be required. (See Transformer Upgrades below.)

A 460 V operator will not require a transformer upgrade.

WARNING

To avoid **SERIOUS** personal **INJURY** or **DEATH** from electrocution, disconnect electrical power to operator **BEFORE** proceeding.

ALL electrical connections **MUST** be made by a qualified individual.



TRANSFORMER UPGRADES

To order a factory installed upgrade to 40 VA transformer use modification number 902140VAL.

To order a field replacement 120 Vac/40 VA transformer use part number 21-32780.

To order a field replacement 230 Vac/40 VA transformer use part number 21-32781.