

# Medium-Duty Logic Trolley Operator for Standard Lift-Sectional Doors



- High-starting torque motor with overload protection
- Compact design
- Quiet-gliding rail spacers
- Quick-mount swivel header bracket



Includes the Medium-Duty Logic Board with Built-In Receiver



Featuring built-in radio receiver compatible with up to 20 Security+® or unlimited DIP switch remote controls  
*(Remote controls sold separately)*

## Medium-Duty Logic Technology

Offers an innovative design that provides reliable service and exceptional value to economically meet the toughest commercial applications.

### Added Value

- Medium-Duty Logic programmable integrated circuit board
- Integrated 3-channel radio
  - Learn/program up to 20 Chamberlain® 315 MHz remote controls
  - Recognizes Security+® and DIP switch remote controls
  - Compatible with 3-button remote controls for open/close/stop operation
- Programmable C2 or B2 wiring options
- Integrated timer-to-close (TTC)
  - Programmable from 5 to 60 seconds (CPS®-L or CPS®-LN4 photo-eyes must be installed)
- Integrated 90-second maximum run timer
- Monitored entrapment capability
- Enhanced protection against transient overvoltage conditions
- 3-button control station included

### Also available, Mechanical dual-relay version (M)

(115V - 24VAC NEC Class 2 Circuit with 20VA transformer)

Dependable, dual-relay operator control system. Control system provides easy selection between B2 and C2 wiring by moving a single wire.

COMMERCIAL DOOR OPERATOR

MODEL  
**MT**

CHAMBERLAIN®

**LiftMaster®**  
MEDIUM DUTY LOGIC



## COMMERCIAL DOOR OPERATOR

MAXIMUM DOOR AREA (SQ. FT.)					
STANDARD SECTIONAL	—	24 ga./22 ga. Steel	20 ga. Steel	16 ga. Steel	—
	Fiberglass	Aluminum Doors	Wood Doors	—	—
	—	—	24 ga. Steel Insul.	20 ga. Steel Insul.	16 ga. Steel Insul.
SQ. FT.	310	260	225	150	100

NOTE: On steel insulated doors, a 24-gauge back panel is assumed.

## Standard Features

- Motor**  
 Powerful 1/2 HP, 115V single-phase motor with instant reverse, capacitor start and overload protection. Removable without affecting limit switch settings.
- Emergency Disconnect**  
 Spring-loaded disconnect for emergency manual operation.
- Operator/Motor Control**  
 Solid-state Medium-Duty Logic circuit board.
- Control Circuit**  
 24V NEC Class 2.
- Wiring Type**  
 All operators are factory preset to C2 wiring, providing momentary contact to open and stop, with constant contact to close. Momentary contact to close (B2 wiring) can be easily set with the push of a button. The operator is pre-wired to accept CPS®-L/CPS®-LN4 photo-eyes or a sensing edge.
- Drive Reduction**  
 First-stage heavy-duty 4L V-belt; second and third stages #48 chain.
- Bushings**  
 Heavy-duty oil-filled bushings.
- Friction Clutch**  
 Adjustable friction clutch helps protect against damage to the door and operator should the door meet an obstruction.
- Push Button Station**  
 3-button station, for open/close/stop functions, is standard for all operators. Controls with 1, 2 and 3 buttons are available.
- Radio Receiver**  
 315 MHz radio receiver is integral to the Medium-Duty Logic board. Accepts up to 20 Security+® remote controls and unlimited DIP switch remote controls.
- Construction**  
 NEMA 1 type electrical box, heavy-duty 11-gauge steel frame with baked-on powdercoat finish, all reduction sprockets drilled and pinned to shafts.
- Rail Assembly**  
 High-strength dual L-rail track with exclusive nylon quiet-gliding chain guides on rail spacers for quiet, smooth operation. Includes quick-mount header bracket, which provides fast, swing-up installation.

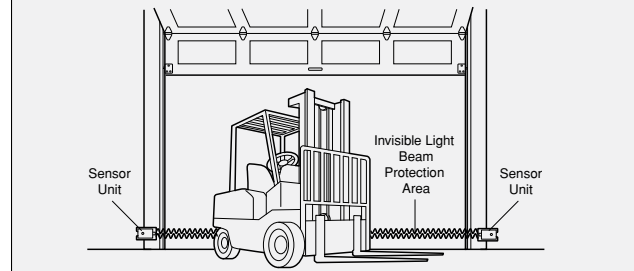
## Control Accessories and Options

- Brake**  
 Heavy-duty solenoid-actuated brake. Order operator BMT.
- Auto-reconnect Trolley Assembly**  
 Spring-loaded trolley features nylon inserts for quiet operation and auto-reconnect feature, eliminating the need to manually reattach the door arm to the trolley after emergency disconnect.
- Sensing Edge (recommended)**  
 Senses an obstruction and signals door operator to stop or reverse upon contact. Either an electric or pneumatic sensing device can be added to bottom edge of door.
- Radio Control**  
 Universal remote controls and receivers are available to signal the operator to open, close and stop.
- Key Switch**  
 Designed to restrict operation of door to authorized personnel only. Various types available.
- Interlock Switch**  
 Prevents accidental operation of the door by disabling the control circuit when a manual door lock is engaged.
- Wireless Access Control Devices**  
 Weather-proof single or 3-button wireless control stations are available and are compatible with the Medium-Duty Logic on-board receiver. In addition, a choice of either a 5 or 250-code wireless keypad is available. Wireless controls should be used to supplement hard-wired controls and should not be used in place of such controls unless a sensing device, such as photo-eyes or a sensing edge, is present.

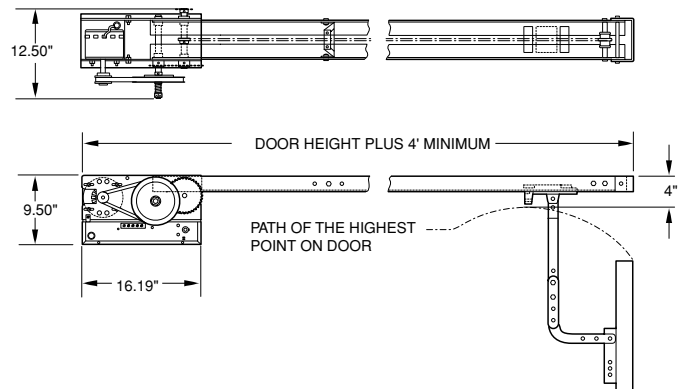
### CPS® Commercial Protector System® (recommended)

An inexpensive "non-contact" photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.

- Safety of a non-contact infrared reversing sensor
- Fast and easy to install
- Patented electrical interface monitors system status at all times
- LED indicators for quick alignment
- One size fits all (for doors up to 30 ft. wide)
- Also works with CPS-N4



## Clearance and Mounting Details



CHAMBERLAIN®

# LiftMaster®

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www.liftmaster.com • http://specs.chamberlain.com/architectscorner



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**TWO-YEAR WARRANTY**

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