

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

**LiftMaster®  
Commercial Door  
Operators**  
are engineered,  
manufactured and tested  
to provide reliable service  
to meet the toughest  
commercial applications.



- High-starting torque motor
- Compact design
- Quiet-gliding rail spacers
- Quick-mount swivelheader bracket

**Featuring:  
The Auxiliary Reversal System**

The Auxiliary Reversal System works in tandem with the adjustable clutch to detect if a closing door meets an obstruction. If an obstruction is met and causes the clutch to slip, the Auxiliary Reversal System will return the door to the full-open position. The Auxiliary Reversal System is designed to protect the door and motorized operator. It is not intended as a replacement for a safety sensing device.

CHAMBERLAIN®

**LiftMaster®**

COMMERCIAL DOOR OPERATOR

MODEL  
**MTT**

# MT

## 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	—	—
SQ. FT.	310	260	225	150	100

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

## Standard Features

- Motor**  
 Powerful 1/2 HP, single-phase motor with instant reverse and internal automatic reset thermal overload. Removable without affecting limit switch settings.
- Emergency Disconnect**  
 Spring-loaded disconnect for emergency manual operation.
- Operator/Motor Control**  
 Dependable dual relay system (NEMA 1 enclosure).
- 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. The operator is pre-wired to accept a sensing device, photoelectric sensors, radio controls and most types of access control equipment.
- Drive Reduction**  
 First-stage heavy-duty 4L V-belt; second and third stages #48 chain; output on trolley #48 chain.
- Bearings**  
 Heavy-duty oil-filled bearings.
- Friction Clutch**  
 Adjustable friction clutch helps protect against damage to the door and operator should the door meet an obstruction. Works in conjunction with the Auxiliary Reversal System.
- Auxiliary Reversal System**  
 Designed to protect the door and door operator from damage; if a closing door strikes an obstruction, the Auxiliary Reversal System will detect the slip of the clutch and reverse the door to the full-open position. This system is not a substitute for a safety sensing device such as a photo cell or reversing edge.
- 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.
- External Radio Control Terminal**  
 External terminals provide quick, convenient connections for universal radio 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.

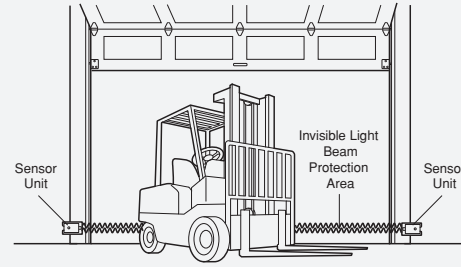
## Control Accessories and Options

- 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. An electric or pneumatic sensing device can be added to bottom edge of door.
- Radio Control**  
 Universal transmitters and receivers are available to signal the operator to open and/or close.
- Key Switch**  
 Designed to restrict operation of door to authorized personnel only. Various types available.
- Interlock Switch**  
 Prevents accidental operation of the door by interrupting the control circuit.

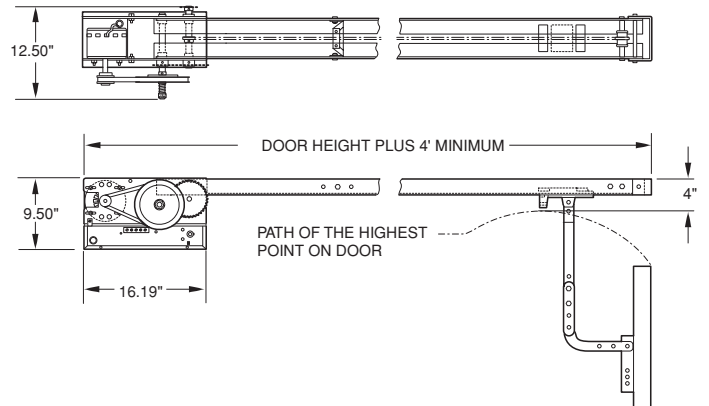
### CPS® Commercial Protector System® (recommended)

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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