



TROLLEY OPERATOR

**STANDARD FEATURES:**

**DUAL VOLTAGE CONNECTIONS**

Increase flexibility by enabling the installer to select the required voltage, within phase, to meet job-site requirements.

Within phases, voltage is selectable at the time of installation with the placement of a connector.

- Single-Phase: 115V and 230V
- 3-Phase: 208V, 230V and 460V
- 575V is a discrete model without field-selectable voltage

**EMERGENCY DISCONNECT**

Disconnects operator from door for manual lifting in an emergency.

**CONTROL FUNCTION SELECTOR DIAL**

Enables easy selection and programming of (7) wiring types, from constant pressure to close, to specialized Timer-to-Close functionality to meet end-user needs.

**TIMER-TO-CLOSE**

Conveniently and confidently closes the commercial door automatically after a predetermined amount of time has elapsed for added security and peace of mind.

**CONTINUOUS-DUTY HIGH-STARTING TORQUE MOTOR**

Performs in demanding industrial overhead door applications.

**MOTOR REMOVABLE WITHOUT AFFECTING LIMIT SWITCH SETTINGS**

Saves time and money for maintenance.

**ADJUSTABLE FRICTION CLUTCH**

Helps to protect door and operator from damage should the door meet an obstruction.

**MID-STOP**

Enables partial opening of door to a preprogrammed position for energy savings, time savings and convenience.

**MAXIMUM RUN TIMER**

Reverses or stops door if closing time exceeds expected time-frame to limit damage to door and operator.

**DELAY-ON-REVERSE CIRCUIT**

Prevents abrupt reversal of door, reducing wear on the door and operator system.

**3-BUTTON CONTROL STATION WITH MAINTENANCE ALERT SYSTEM (MAS)**

Provides open/close/stop functions and notification when routine maintenance is required.

**SPECIFICATIONS:**

**SECURITY+ 2.0™ RADIO RECEIVER**

Standard on-board with Logic 5.0 operators. Accepts up to (90) single-button or (30) 3-Button remote controls plus up to (30) wireless keypads or an unlimited number of DIP switch remotes.

**MOTOR**

Continuous-duty high-starting torque motor with instant reverse and overload protection. Available in 1/3, 1/2, 3/4 and 1 HP, single- or three-phase. Capacitor start on single-phase. Removable without affecting limit switch settings

**WIRING TYPE**

Operators are factory preset to C2 wiring, providing momentary contact to open and stop, with constant contact to close. Monitored entrapment protection, using approved photo sensors or sensing edges is optional, although recommended, when using C2, D1 or E2. All other wiring types, B2, T, TS and FSTS can be selected with the addition of an appropriately monitored entrapment protection device (LiftMaster® CPS-U photo eyes, LiftMaster OES monitored sensing edge, or a monitored sensing edge supported by the CPS-EI, as examples). Logic 5.0 operators can only accept UL-Approved LiftMaster monitored entrapment protection devices.

**CONTROL CIRCUIT**

5V DC NEC Class 2.

**DRIVE REDUCTION**

First-stage heavy-duty 5L V-belt; second #41 chain; #48 (for 1/3 and 1/2HP) and #41 (for 3/4 and 1HP) output chain on trolley.

**BEARINGS/BUSHINGS**

Industrial ball bearings on output shaft, heavy-duty oil-filled bushings on reduction shafts.

**BRAKE**

Standard on 3/4 and 1 HP operators (optional on 1/2 HP, not available on 1/3 HP).

**CONSTRUCTION**

NEMA 1 type electrical box, heavy-duty 11-gauge steel frame with durable powder coat finish, all reduction sprockets drilled and pinned to shafts.

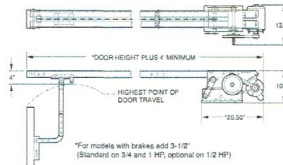
**TROLLEY ROLLER CHAIN**

#48 on 1/3 and 1/2 HP. #41 on 3/4 and 1HP.

**WARRANTY**

Two Years.

**TECHNICAL INFORMATION:**



		MAXIMUM DOOR AREA (SQ. FT.)				
STANDARD SECTIONAL	HP	24 ga. Steel	20 ga. Steel	16 ga. Steel	—	
		Fiberglass	Aluminum Doors	Wood Doors	—	—
		—	24 ga. Steel Insulated	20 ga. Steel Insulated	16 ga. Steel Insulated	—
	1/3	310	285	260	175	125
	1/2	400	350	320	250	200
	3/4	560	500	450	325	275
	1	640	625	560	400	310

NOTE: On steel insulated doors, a 24-gauge back panel is assumed. If a heavier back panel is supplied, use the next higher HP rating. Recommended Duty Cycles: Up to 25 per hour, up to 80-90 per day.

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