

# SPECIFICATIONS

## T LOW-PROFILE INDUSTRIAL-DUTY TROLLEY OPERATOR

### Added Value

- Built-in 3-channel, 315 MHz radio receiver accepts up to 23 Security+® or unlimited DIP switch remotes. 3-button remotes can be programmed for open/close/stop operation.
- Maintenance Alert System™ establishes a routine maintenance schedule based on the number of cycles or calendar date. Includes self-diagnostic system that allows you to troubleshoot up to eight different error codes.
- Timer-to-Close allows programming in 5-sec or 1-min increments. Commercial or industrial photo-eyes required.
- Thermal motor overload can be easily reset from the 3-button floor level control station
- Reliability & Programming Simplicity
- Switchless motor eliminates stuck start switch and motor malfunctions on single-phase operators
- All high-voltage connections have been removed from the board for safety and ease of service
- Diagnostic LEDs speed installation and troubleshooting
- Motor direction jumper lets you change motor direction by simply moving a jumper
- Mechanical Reversing Contactor Circuit (M): (115V, 208/230V, 460V, 575V, 24V NEC Class 2 Circuit with 40VA transformer) Industrial linear contactor provides significantly longer control runs than conventional contactors.

### 2 Year Warranty



# T LOW-PROFILE INDUSTRIAL-DUTY

MAXIMUM DOOR AREA (SQ. FT.)						
<b>STANDARD SECTIONAL</b>	—	24 ga. 22 ga. Steel	20 ga. Steel	16 ga. Steel	—	—
	Fiberglass Doors	Aluminum Doors	Wood Doors	—	—	—
	—	—	24 ga. Steel Insulated	20 ga. Steel Insulated	16 ga. Steel Insulated	—
	—	—	—	—	—	—
<b>HP</b>	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

OPERATOR AMP RATING (full Load)								
		HP	1/3	1/2	3/4	1	2	3
<b>VOLTAGE - PHASE</b>	<b>60HZ</b>	115-1	6.6	8.2	11.2	13.6	—	—
		230-1	3.3	4.1	5.6	6.8	—	—
		230-3	2.2	2.2	2.9	3.4	—	—
		460-3	1.0	1.0	1.4	1.7	—	—
	575-3	0.8	0.8	1.2	1.4	—	—	
<b>50 HZ</b>	230-1	3.8	3.8	5.0	6.2	—	—	
	380-3	1.2	1.2	1.7	2.0	—	—	

## Standard Features

**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. Removable without affecting limit switch settings.

**Drive Reduction:** First-stage heavy-duty 5L V-belt; second-stage #41 chain; output on trolley #48 chain on 1/3 and 1/2 HP; #41 chain on 3/4 and 1 HP.

**Emergency Disconnect:** Spring-loaded for emergency manual operation.

**Wiring Type:** B2, C2, D1 and E2 wiring types are standard and easily set using a selector dial on the Logic 3.0 Control Board (L3). T and TS wiring can be activated with use of a CPS-L or CPS-LN4. Reversing Contactor Units (M) have C2 wiring standard and B2 available by simply moving a jumper wire. Operators are pre-wired to accept a sensing edge, photoelectric sensors, radio controls and most types of access control equipment. Failsafe wiring can be selected with use of a CPS-L, CPS-LN4 or failsafe edge and CPS3 card.

**External Radio Control Terminal:** Quick, convenient connections for retrofitting or adding radio controls on logic or mechanical operators.

**Bearings:** Ball bearings on output shaft; heavy-duty, oil-filled bushings on reduction shafts.

**Brake:** Solenoid-actuated brake is standard on 3/4 and 1 HP units to prevent coasting of door. Optional on 1/3 and 1/2 HP units.

**Friction Clutch:** Adjustable, helps protect against

major damage to door and operator should the door meet an obstruction.

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

**Push Button Station:** 3-button station comes standard and has open/close/stop functionality.

**Quick-Mount Header Bracket:** For fast, swing-up mounting.

**Rail Assembly:** High-strength dual L-rail track with nylon quiet-gliding chain guides on rail spacers for quiet, smooth operation.

## Control Accessories

**CPS® Commercial ProtectorSystem®:** (recommended) A “non-contact” photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.

**Sensing Edge:** (recommended) Designed to sense an obstruction and signal door operator to stop or reverse as desired. An electric or pneumatic sensing device can be added to bottom edge of door.

## Available Plug-in Options for Logic 3.0 (L3)

**Auxiliary Contact:** Used to operate security, warning, heating or other 5V to 240V devices. Features both normally open and closed contacts that actuate in conjunction with limit switches.

**Warning Signal:** Red/green light module provides safety warning prior to close (when using timer-to-close feature). Also supports audio warning devices and includes down mid-stop feature.

**CPS3 Option:** Enables the addition of a second set of photo-eyes or 2- or 4-wire, self-monitoring edge.

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