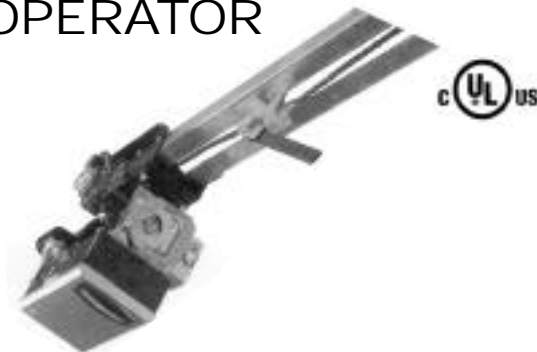




GT

HEAVY INDUSTRIAL-DUTY TROLLEY OPERATOR



2 Year Warranty

Applications:

The model GT continuous-duty door operator is designed for use on standard lift section doors.

Standard Features:

- Choice of 2 control circuits:
 - Logic 2.0 Control Board (L) available for 115V, 208/230V and 460V
 - Reversing Contractor Circuit (M) features size 0 industrial linear contactor
- High-starting torque continuous-duty motor with overload protection
- 3-button control station
- Type C2 wiring standard, B2 easily field set by moving 1 jumper wire or setting a switch
- Industrial ball bearings on output shaft
- External radio control terminals
- Driven limit switches, fully adjustable
- 24VAC control circuit (M), 5V DC (L)
- Motor removable without affecting limit settings
- Solenoid-actuated disc brake
- Heavy-duty wormgear-in-oil-bath speed reducer
- Industrial-duty adjustable torque limiter
- NEMA1 type electrical enclosure
- Fully adjustable linear-driven limit mechanism
- Trolley track for doors up to 12' high standard with swing-up header bracket
- Quiet-gliding rail spacers
- #41 roller chain drive
- Baked-on high-durability black powdercoat finish
- Door speed approximately 11 to 12 inches per second
- Approximate shipping weight - 160 lbs.

MAXIMUM DOOR AREA (SQ. FT.)

STANDARD SECTIONAL	MAXIMUM DOOR AREA (SQ. FT.)					
	—	24 ga. Steel 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	
HP	1/2	400	350	320	250	200
	3/4	560	500	450	325	250
	1	625	575	500	400	300
	1-1/2	—	625	550	475	380

NOTE: On steel insulated doors, a 24 ga. back panel is assumed. If a heavier back panel is supplied, use the next higher HP rating. A dual trolley modification is recommended for doors 22 ft. or wider.

OPERATOR AMP RATING (full Load)

		HP	1/2	3/4	1	1-1/2	2	3
VOLTAGE - PHASE	60 HZ	115-1	11.2	11.2	13.6	17.5	—	—
		230-1	5.6	5.6	6.8	8.7	—	—
		208/230-3	3.1	3.1	4.0	6.6	—	—
		460-3	1.4	1.4	1.8	5.0	—	—
		575-3	1.2	1.2	1.4	2.4	—	—
50 HZ	230-3	3.6	5.0	6.2	8.0	—	—	
	380-3	1.7	1.7	2.2	6	—	—	

GT HEAVY INDUSTRIAL-DUTY TROLLEY

Added Value

- Built-in 3-channel, 315MHz radio receiver accepts up to 23 Security+® or unlimited DIPswitch 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.

Standard Features

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

Drive Reduction: 10:1 first stage using heavy-duty gears running in oil bath; cast iron housing; #41 chain second stage; #41 chain on trolley.

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). Tand 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, photo-

electric 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: Sealed roller bearings in gear reducer. Flange-mount industrial ball bearings on drive shaft.

Brake: Solenoid-actuated brake is standard.

Clutch: Heavy duty torque limiter 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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