

# SPECIFICATIONS

## MT MEDIUM-DUTY TROLLEY OPERATOR

### Applications:

The model MT door operator is designed for use on standard lift sectional doors up to 14' high and up to 12 cycles per hour.

### Standard Features:

- Auxiliary Reversal System
- 3-button control station
- Accepts sensing device and standard residential radio receiver
- High-starting torque motor with overload protection
- Fully adjustable linear-driven limit mechanism
- 24VAC control circuit
- Heavy-duty 4L V-belt
- Type C2 wiring standard, B2 easily field set by moving 1 jumper wire or setting a switch
- Long-life dry-type motor capacitor
- Efficient V-belt drive with two-stage speed reduction
- Adjustable friction clutch
- Emergency disconnect for manual operation
- Heavy-duty 2" x 2" double-angle iron track for up to 14' high door included with swing-up header bracket
- Quiet-gliding rail spacers
- Motor removable without affecting limit settings
- Baked-on high-durability black powdercoat finish
- Door speed approximately 11 to 12 inches per second
- Approximate shipping weight - 160 lbs.

## 2 Year Warranty



# MT MEDIUM-DUTY TROLLEY OPERATOR

MAXIMUM DOOR AREA (SQ. FT.)					
<b>STANDARD SECTIONAL</b>	—	24 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>SQ. FT.</b>	310	260	225	150	100

OPERATOR AMP RATING (full Load)								
<b>VOLTAGE - PHASE</b>	<b>60HZ</b>	HP	1/2	3/4	1	1-1/2	2	3
		115-1	6.5	—	—	—	—	—
<b>50 HZ</b>	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	230-1	3.0	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

## 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.

**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.

**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 control, radio controls and most types of access control equipment.

**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.

**Operator/Motor Control:** Dependable dual relay system (NEMA 1 enclosure).

Control Circuit: 24VNEC Class 2.

**Drive Reduction:** First stage heavy-duty 4LV-belt; second and third stages #48 chain; output on trolley #48 chain.

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

**Pushbutton Station:** 3-button station for OPEN/CLOSE/STOP functions is standard for all operators. Controls with one, two and three buttons are available.

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

**Bearings:** Heavy-duty, oil filled bearings.

**External Radio Control Terminal:** External terminals provide quick, convenient connections for universal radio controls.

**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.

**Control Accessories and Options:**

**Solenoid Brake:** Solenoid actuated brake prevents coasting. Order operator BMT. Standard on 3/4 HP and higher.

**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) Designed to sense an obstruction and signal door operator to stop or reverse as desired. Either 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.

**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 feet wide)

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