

MANARAS-OPERA: OMT Medium-Duty Trolley Operator

Medium-Duty Trolley Operator For Smaller Standard Lift Doors

14 CYCLES/HOUR 50 CYCLES/DAY

Model OMT is a medium-duty trolley operator designed for use on smaller and low-cycling industrial standard lift sectional doors. It features a high starting torque intermittent-duty industrial type motor and a quick release disconnect arm. It's the most recent model to be "OPERAtized" and replaces the MLT model.

FEATURES

- **Motor:**

1/2 HP, 115V single phase intermittent-duty motor with instant reverse and internal automatic reset thermal overload protection. Removable without affecting limit switch settings.

- **Reduction:**

First step in reduction 4L/A V-belt drive, additional step by #48 (#410) chain and sprockets. Input shaft is 5/8", supported by ball bearings. Output shaft is 1", supported by ball bearings. Output shaft speed: 112 rpm for a door travel of 11"/s.

- **Drive and Trolley Assembly:**

#48 (410) full roller chain drive. Dual, 12 gauge, pre-drilled galvanized tracks provided for doors up to 12Ft in height standard. Additional track lengths are available (max. door height acceptable for the operator limit system is 14Ft). Track spacers 3/4" steel shaft. Trolley made of cast aluminum alloy with chain tension adjustment device.

- **Clutch:**

Friction type, positioned on input shaft, easily adjustable from outside.

- **Manual Operation:**

Quick release disconnect arm for manual push-up operation.

- **Electrical Enclosure:**

All electrical components are in a Nema 1 enclosure. Hinged cover.

- **Limit System:**

Rotary-type oil-impregnated steel cams, commercial grade switches. Limit shaft is supported by self-lubricating bronze bushings for increased precision. Remains in time when there is a manual operation or after the motor has been removed.

- **Accu-cam® Feature:**

Precise and quick one-handed adjustment of the limits.

- **Corrosion Protection:**

Frame and control enclosure protected by baked on, long lasting enamel finish. All shafts protected by yellow chromate coating.

- **Mounting:**

Ceiling-mounted with only 6.125" headroom clearance required below the tracks.

- **Dimensions:**

Maximum Door Height: 14' (4260 mm)

Back Room: door height + 3'11" (1175 mm)
Head Room For Tracks: 5" (127 mm) above the highest point of door travel
For more details, please consult our [Dimensions Drawing](#).

• **Shipping Weight:**

Approx. 60 Lbs - 27 Kg + tracks.

• **Warranty:**

2 Years, per section 6 of our [Terms and Conditions of Sale](#).

CONTROL OPTIONS

• **ECB Units (BOARD 070):**

24VDC relaying circuit with a 40VA class II transformer, non-volatile memory. Features available: 1.5s delay on reverse, programmable maximum run timer, mid-stop, timer to close (suspension possible from floor level), independent input loop terminal, advance close system, test buttons, reverse wiring detection and door lock sensor. Operating mode selectable on site: C2, B2, D1, E2, T or TS.

• **Electronic Monitored (M) Version:**

Provides the monitoring of Primary External Entrapment Protection Devices. Includes monitored photo cells (PHOTO 062 standard). In this mode, Ancillary Entrapment Protection Devices (optional) may be used to supplement primary entrapment protection, such as non-monitored photo cells, 2-wire non-monitored sensing edges and pneumatic sensing edges.

Certifications: CSA C22.2-247.92 and UL325.



• **Electronic (E) Version:**

No monitoring function.

Certifications: CSA C22.2-247.92 and UL325 5th Ed. PRIOR to August 2010 revision.



Note: CSA C22.2-247.92 and UL325 apply to units intended to be used in ordinary locations in accordance with the Canadian Electrical Code, Part I and the National Electrical Code, NFPA 70, respectively.

MAIN OPTIONS

• **Control Accessories:**

Angled terminal strip allows for the connection of 3-button stations (one supplied with the operator), non-monitored sensing edges, non-monitored photo cells, one push-button radio control (external strip), ceiling pull switches, key switches, loop detectors, external interlocks, plug-in radio card and universal auxiliary output module. 2A fuse protected 24VAC output is available for accessory power supply. NEMA 4/12 or NEMA 4X protected monitored photo cells upgrade available.

• **Mechanical Accessories:**

Trolley hoist, very heavy-duty front idler, etc.