

# MAXUM

Next Generation  
DC Commercial Door Operator

DATA SHEET

## TDC Trolley Operator

SECTION 08 71 13



### Key Features

#### Standard Application

Recommended for door types including:

- Sectional Doors (Standard Lift)
- Standard Duty Cycle and Extended Duty Cycle Applications

#### Rated Duty Cycle

Standard Duty: Up to 20 cycles per hour and 90 cycles per day  
Extended Duty: Up to 30 cycles per hour and 150 cycles per day

#### Operator Speed

Average 12" per second for Sectional doors

#### Limit Settings

Electronic limits via Floor Level Wall Controller with LCD display

#### Emergency Disconnect for Manual Operation

Emergency release

#### Emergency Disconnect with Auto - Reconnect

Reconnects when door release mechanism is reengaged

#### Programming

Floor Level Wall Controller with LCD display to program and commission door

#### Circuit Board

DC Logic Circuit Board

#### Timer-to-Close

Programming through menu on wall controller. Option is available in B2 Mode with two settings. User can select a desired Timer-to-Close (TTC) time duration under that menu

#### Mid-Stop

Program setup under System Configuration Operating Mode, Mid-stop

#### Battery Backup

DC7AH (2): 7 Ah batteries and mounting bracket (optional)

#### Run Time Protection

Standard Duty: 20 Cycle Count and Cycle 21% within a 60 minute threshold  
Extended Duty: 30 Cycle Count and Cycle 37% within a 60 minute threshold

#### Motor Reverse Action Protection

Stop Fast: 250ms ramp

Stop Ramp: 500ms-2000ms; Stop button while opening

Emergency (Safety-Chain): CTM trigger immediate stop

#### Motor Operator Wall Controller

Floor Level Wall Controller with LCD screen using 2 wire interface to connect to powerhead

#### Trolley Track

Dual L-Rail Trolley Track

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### Specifications:

Radio Receiver	LiftMaster Security+ 2.0
Voltage Connections	120Vac 1 PH/240Vac 1/3PH; 480Vac 3PH; 208Vac 3PH (via transformer); 600Vac 3PH (via transformer)
Accessory Power	24Vdc, 1A Auxiliary Output
Drive Reduction	65:1 Gearbox with #48 Chain Output on 700 units and #41 Chain Output on 1200 and 2200 units
Brake	Dynamic braking standard on all Maxum operators. 2200 series operators include eletromechanical holding brake.
Construction	NEMA 1 type electrical box, heavy duty 11 gauge steel frame with durable powder coat finish. NEMA 4X type electrical box for NEMA 4X rated units
Warranty	2 years

### Installation Features:

Maximum Door Weight See SKU listing below for maximum door weights allowable by SKU

### Connectivity:

Wi-Fi® Connect to Wi-Fi via Connectivity option on the wall controller  
Internet Connectivity myQ® technology enables remote monitoring and control via smartphone, tablet, computer. myQ Facility technology enables Diagnostics, absolute cycle count, service cycle count, and remote management

### Door Weight Chart

SKU	PRODUCT FAMILY	MAX DOOR WEIGHT
TDC7S1BMC	Trolley	700 lb.
TDC7S4BMC	Trolley	700 lb.
TDC12S1BMC	Trolley	1200 lb.
TDC12S4BMC	Trolley	1200 lb.
TDC12X1BMC	Trolley	1200 lb.
TDC12X4BMC	Trolley	1200 lb.
TDC22X1BMC	Trolley	2200 lb.
TDC22X4BMC	Trolley	2200 lb.
TDC12X1N4XMC	Trolley	1200 lb.
TDC12X4N4XMC	Trolley	1200 lb.
TDC22X1N4XMC	Trolley	2200 lb.
TDC22X4N4XMC	Trolley	2200 lb.

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#### Dimensions

	A	B
<b>700 lb. Standard</b>	<b>18.552"</b>	<b>21.065"</b>
<b>1200 lb. Standard</b>	<b>18.867"</b>	<b>21.380"</b>

