

# Next Generation Commercial Door Operators

DATA SHEET

## TDC Trolley Operator SECTION 08 71 13



### Key Features

#### Standard application

#### Rated Duty Cycle

#### Operator Speed

#### Limit settings

#### Emergency disconnect for manual operation

#### Emergency disconnect with Auto - Reconnect

#### Programming

#### Circuit Board

#### Timer-to-Close

#### Mid-Stop

#### Battery Back-up

#### Run time protection

#### Motor Reverse action protection

#### Motor Operator Wall controller

#### Trolley Track

Recommended for door types including:

\*Sectional Doors (Standard Lift, High Lift and Full Vertical)

Standard duty-cycle and Extended duty-cycle applications

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

Average 12 inches per second for Sectional doors

Electronic limits via floor level wall controller with LCD display

Emergency release rope and handle

Reconnects when tension is removed from emergency release rope

Floor level wall controller with LCD display to program and commission door

DC Logic 1.0 circuit board

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

Program setup under System Configuration Operating Mode

DC45AH (2): 4.5 Ah batteries and mounting bracket

DC7AH (2): 7 Ah batteries and mounting bracket

Standard: 20 Cycle Count and Cycle 21% within a 60 minute threshold

Extended Duty: 35 Cycle Count and Cycle 37% within a 60 minute threshold

Stop Fast - 250ms ramp

Stop ramp - 500ms-2000ms - Stop button while opening

Emergency (safety-chain) - CTM trigger immediate stop

Floor level wall controller with LCD screen using 2 wire interface to connect to powerhead

Dual L-rail trolley track

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#### Specifications:

Radio Receiver	LiftMaster Security +2.0
Voltage Connections	120/240V, X/YA, 1PH : 240V, YA, 3PH 480V, ZA, 3PH, 208V, 600V with step down transformer accessories
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	Electromechanical for operators that support doors up to 700 and 1200 lbs. Brake is included on 2200 models.
Construction	Nema 1 type electrical box, heavy duty 11 gauge steel frame with durable powder coat finish
Warranty	2 years

#### Installation Features:

Maximum Door Width	See door charts below for Max Door Width, Height and Weight
Maximum Door Height	
Maximum Door Weight	See sku listing below for maximum door weights allowable by sku

#### Connectivity:

WiFi	Connect to WiFi via Connectivity option on the wall controller
Internet Connectivity	myQ technology enables remote monitoring and control via smart phone, tablet, computer. myQ Facility technology enables Diagnostics, absolute cycle count, service cycle count, remote management

#### Weight Chart

SKU	PRODUCT FAMILY	DOOR WEIGHT
TDC7S1BMC	Trolley	700
TDC7S4BMC	Trolley	700
TDC12S1BMC	Trolley	1200
TDC12S4BMC	Trolley	1200
TDC12X1BMC	Trolley	1200
TDC12X4BMC	Trolley	1200
TDC22X1BMC	Trolley	2200
TDC22X4BMC	Trolley	2200
TDC12X1N4XBMC	Trolley	1200
TDC12X4N4XBMC	Trolley	1200
TDC22X1N4XBMC	Trolley	2200
TDC22X4N4XBMC	Trolley	2200

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### Sectional Doors

Recommended Drum/Sprocket Configuration for  
12"/second Door Speed

Operator	Door Type	Drum*	Sprocket**
700	standard	D400-96	16
	hi-lift	D400-54	
	standard	D400-144	
1200	vertical	D850-132	22
	standard	D5250-18	
	hi-lift	D525-54	
	hi-lift	D575-120	
	standard	D525-216	
2200	vertical	D1100-216	32
	hi-lift	D6375-164	
	standard	D800-384	
	hi-lift	D800-120	
	vertical	D1350-336	42

\*maximum height depending on drum choice/max 32 feet

\*\*number of teeth

### Rolling Doors

Recommended Sprocket Configuration for 8-9" Rolling doors

#### Uninsulated Rolling Doors

Operator	Sprocket	Door Weight
700	50	up to 450 lbs
	72	450 up to 700 lbs
1200		700 up to 1200 lbs
2200		1200 up to 1800 lbs
	82	1800 up to 2200 lbs

#### Insulated Rolling Doors

Operator	Sprocket	Door Weight
700	60	up to 450 lbs
1200	72	450 up to 900 lbs
2200	82	900 to 1500 lbs
	90	1500 up to 2000 lbs

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### Dimensions

