



Richards-Wilcox

Engineered For Life

DYNA-HOIST DC SERIES

Easy to Use, Fast, Efficient & Reliable

THE ONLY OPERATOR YOU'LL EVER NEED



DC 500-100

1/2 HP Operator (1" Shaft)



DC 750-100

3/4 HP Operator (1" Shaft)

Standard Features Include:

- Programmable Speed - up to 24"/second Opening Speed.
- Integral Load Sensing and Automatic, Time Delayed, Reversing Safety Feature.
- Adjustable Soft Stop Setting.
- Battery Backup.
- Smooth and Quiet Operation.
- Control Panel with Large LCD Display.
- Photo-Cell. (UL325 Compliant)
- Available in Jackshaft and Trolley Configurations.
- High Cycle. (Up to 1 million with minimal routine maintenance)
- Programmable "Service Due" Reminder.



DC 750-125

3/4 HP Operator (1.25" Shaft)



Control Panel

Large Backlit Display



DC 1000-125

1 HP Operator (1.25" Shaft)

www.rwdoors.com

FEATURES & BENEFITS

THE DC SERIES OPERATOR IS A LEAP FORWARD IN DC OPERATOR DESIGN

It's Easy to install, set up and trouble-shoot, this high cycle operator is loaded with features, yet remarkably reliable and simple to use. DC Series operators run smooth and silently.

DC Series Models Include:

DC 500-100 1/2 HP (1" Shaft)

DC 750-125 3/4 HP (1.25" Shaft)

DC 750-100 3/4 HP (1" Shaft)

DC 1000-125 1 HP (1.25" Shaft)

Easy Installation: The motor/operator simply slides on the keyed solid shaft of any counter-balanced door, and then one bolt secures the torque arm. The control panel is mounted at user level secured by four simple brackets/bolts. 6 wires run between the Junction Box and the User Control Panel for power, communications and battery backup needs.

Simple Setup: The user can easily Set Limits, Opening Height, a Closing Timer, Load Sensing Sensitivity, Speed and much more eye level Control Panel following two-stages of guided menu options on the easy to read LCD screen.

Variable Settings: The DC Series Control panel offers three separate opening and closing speeds (Opening speed of up to 24/inches per second). It also features dynamic brake and an output relay that works with all security systems.

Timer to Close: Programmable closing timer (up to 99 seconds).

Programmable Soft Stop Settings: All DC Series Operators have a functional Soft Stop feature which can be tailored to the application.

Battery Back-Up: No need to worry about a seized up chain-hoist with the DC Series. If the power supply or control board fails each model comes equipped with a battery back up that will operate the door in an override failsafe mode.

Manual Operation: Just in case the battery is removed or fully drained, the operator has a manual option that will allow the door to be opened with a 3/8" socket.

Large Back Lit LCD Display: 20 x 4 character LCD screen facilitates set-up and trouble-shooting and provides real time monitoring. All terminal connections have LED indicators confirming functional connections.

Safety Features: In addition to a Photo-Cell, R-W's DC Series of operators include an Integrated Load Sensing and Programmable Time-Delayed Automatic Reversing Safety feature that stops and reverses the door should it encounter an obstruction, without the added cost of traditional safety edges.

Weatherproof Encoder: Offers real-time monitoring of the position of the door, enabling SOFT START/SOFT STOP functions, easy limit setting and dual stage opening.

WIRING & PERIPHERALS

Dual Upper Limits Option: In addition to “Fully-Open” a secondary “Set-Limit” height can be established to increase time and energy efficiency.

Maintenance Reminder: Programmable “Service Due” Reminder that can be customized to the application.

STANDARD OUTPUT AND INPUTS

24dc Power: Up to 1A of current available to provide power for peripheral devices.

Power Supply: 110-130 or 208-240V, 1 Ph, 60 Hz AC.

Proprietary wireless receiver: A header is provided for the addition of one, or all of Dyna-Hoist DC Series' optional wireless devices.

AVAILABLE ACCESSORIES

Reversing Devices: Terminals provided for your choice of standard or monitored reversing devices including Reversing Edge, Photo Eye, Light Curtains, etc.

Activation Devices: Terminals provided for activation devices including Floor Loop Detectors, Pull Cords, Wireless Pull Cords, Motion Detectors, Wireless Radio, etc.

Push Button Station: Terminals provided for wired or remote 3-button and single button push stations.

Traffic Lights/Warning Flasher/Alarm: Terminals provided for LED Traffic Lights (Red when door closed or moving, Green in Open Position Only) and for Warning Flasher and Audible Alarm (signal when door is in motion).

Programmable Relay Outputs (1NO, 1NC): Available to provide signaling for interlocking.

TROLLEY KIT

Available for DC 500-100 and DC 750-100 models.

The Standard Trolley Kit contains a rail assembly and standard hardware carton containing trolley carriage, door arm, fasteners and miscellaneous parts.

The Silent Trolley Kit contains Silent Carriage and Silent upper chain glides for smooth and quiet operation.



PRODUCT OFFERING

Part #'s	OPERATORS	Part #'s	STEP DOWN TRANSFORMERS
MI-PDC500-1	DC 500-100: 1/2 HP, 1" Shaft	MI-TE-500-600120	For DC500, 600/575 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-PDC750-1	DC 750-100: 3/4 HP, 1" Shaft	MI-TE-500-480120	For DC500, 480/460/440 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-PDC750-4	DC 750-125: 3/4 HP, 1.25" Shaft	MI-TE-500-240120	For DC500, 208 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-PDC1000-4	DC 1000-125: 1 HP, 1.25" Shaft	MI-TE-750-600120	For DC750, 600/575 V, 3 PH to 120 V AC, in NEMA1 Enclosure
Part #'s	OPTIONS & ACCESSORIES	MI-TE-750-480120	For DC750, 480/460/440 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-RXTA-100	Universal 2 Channel Receiver	MI-TE-750-240120	For DC750, 208 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-TXTA-100	Universal 3 Channel Transmitter	MI-TE-1000-600120	For DC1000, 600/575 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-PBS-3	3 Push Button Station	MI-TE-1000-480120	For DC1000, 480/460/440 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-PBS-1	Single Push Button Station	MI-TE-1000-240120	For DC1000, 208 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-RPRX-100	2 Channel Wireless Pull Cord Receiver	MI-TE-1000-600120	For DC1000, 600/575 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-RPTX-100	Wireless/Batteryless Pull Cord Switch Transmitter	MI-TE-1000-480120	For DC1000, 480/460/440 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-STBRX-100	Thru Beam Photo Receiver	MI-TE-1000-240120	For DC1000, 208 V, 3 PH to 120 V AC, in NEMA1 Enclosure
MI-SBTBX-100	Thru Beam Photo Transmitter		
MI-RPE-100	Polarized Photo Eye		
MI-RPE-RFLC	50 x 50 - Polarized Prism Reflector		
MI-RPESTB-BRKT	L Mounting Bracket for Photo Eye Devices		
MI-TWLED-A	Flashing/Strobe Tower Light		
MI-TWLED-A-BZ	Flashing/Strobe Tower Light with Audible Alarm		
MI-TL96LV-YL	LED Red and Green Light (Yellow Body)		
MI-TL96LV-BK	LED Red and Green Light (Black Body)		
MI-DLS-100	Door Lock Proximity Sensor (30mm)		
Part #'s	WIRING KITS		
MI-PDC-CABKIT	Cable Kit for Dyna-Hoist Operators with 10m x 6- cond. 18AWG cable, 4 Connectors, 4 Locknuts		
MI-CG-18-150	150m Spool of 6 Conductor 18AWG Cable		
MI-CG-18-300	300m Spool of 6 Conductor 18AWG Cable		
MI-CG-1/2-50	1/2" NPT Connector, Black, 50/box		
MI-LN-1/2-BK-50	1/2" NPT Locknut, Black, 50/box		
Part #'s	TROLLEY RAIL KIT	Part #'s	SILENT TROLLEY GLIDE KITS
MI-TROLLEY-RAIL0841	Door Ht: 8' Trolley Rail Kit	MI-TROLLEY-KIT-10	Upper chain glides for 8 and 10 ft Rail Kit
MI-TROLLEY-RAIL1041	Door Ht: 10' Trolley Rail Kit	MI-TROLLEY-KIT-12	Upper chain glides for 12 and 14 ft Rail Kit
MI-TROLLEY-RAIL1241	Door Ht: 12' Trolley Rail Kit	MI-TROLLEY-KIT-18	Upper chain glides for 16 and 18 ft Rail Kit
MI-TROLLEY-RAIL1441	Door Ht: 14' Trolley Rail Kit		
MI-TROLLEY-RAIL1641	Door Ht: 16' Trolley Rail Kit		
MI-TROLLEY-RAIL1841	Door Ht: 18' Trolley Rail Kit		
Part #'s	TROLLEY HARDWARE CARTONS		
MI-3140008	Standard Hardware Carton		
MI-3140009	Silent Hardware Carton		