

MD70 Installation Instructions Rev: 4/27/09

Application:

The **MD70** is a Motor Speed Control and is intended for use with 12 Volt or 24 Volt PMDC (Permanent Magnet DC) motors, with motor ratings **no larger than 1/2 h.p.** Using the Rocker Switch, select the 12V or 24V battery voltage for your application.

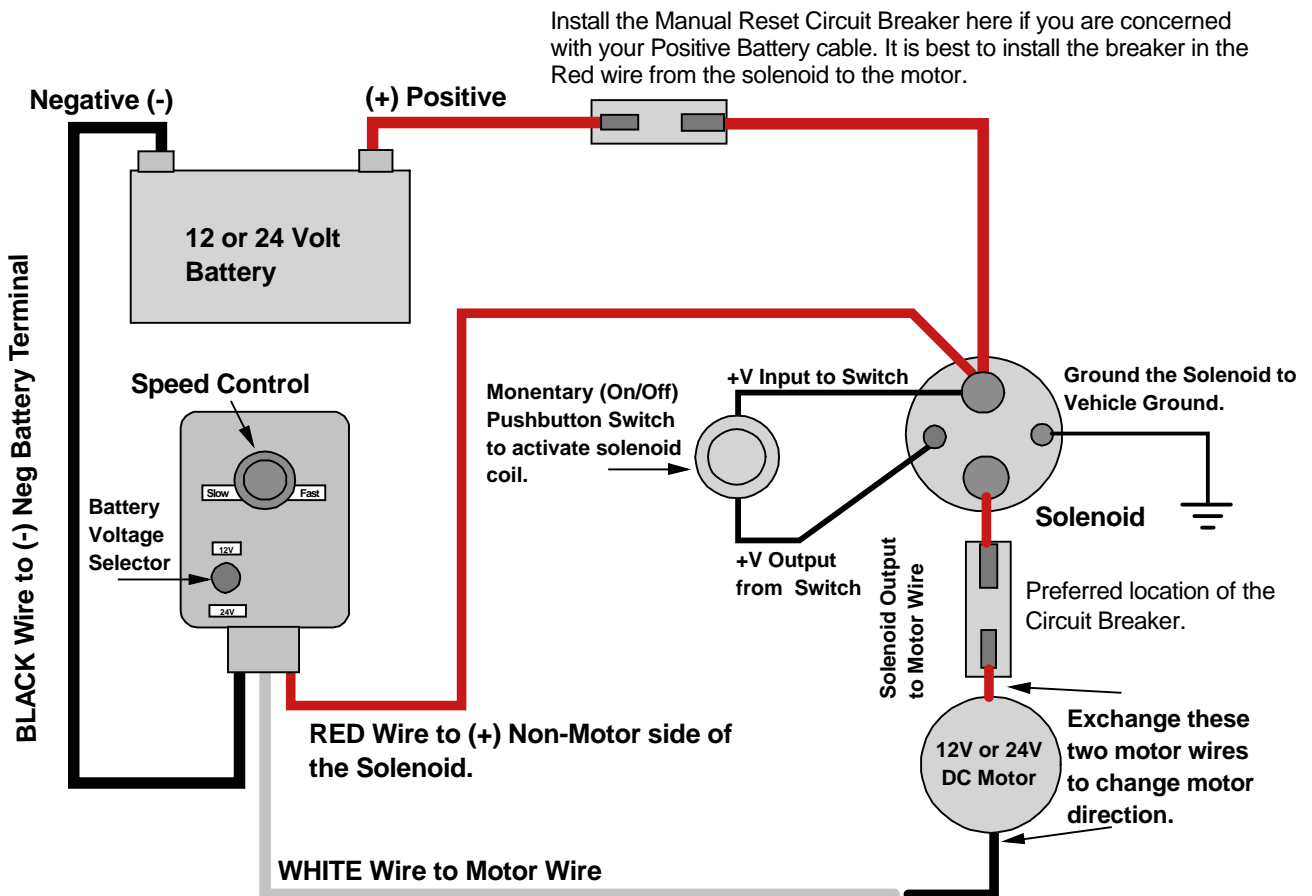
The MD70 must be used in conjunction with a power on/off pushbutton switch and solenoid to turn off power to the reel and disconnect the speed control from the motor wire. See wiring instructions.

The MD70 is used for winding in hose and cable reels. **It cannot be used on labor intensive applications such as jetter hose reels, or winching, pulling up heavy objects through a pipe.** For labor intensive applications, the heavy duty MD12HD (12 Volt), or MD24HD (24 Volt), speed control is required for up to 1 h.p. motors.

Mounting: Use the existing flange screw holes or drill your own to mount the control.

Wiring Instructions

CAUTION: The speed control's Black wire is the (-) Negative Battery connection. Do not connect the control's Black wire to the positive Voltage wire coming from the switch, solenoid, or circuit breaker. Do not connect the control's Black wire to the vehicle frame. This will create a high resistance to the Battery's (-) Negative and will not allow the snubber circuit to protect the control. Connect the control's Black wire directly to the Battery (-) Negative terminal. The speed control's Red wire is the + 12 Voltage wire for the speed control electronics. Do not connect the speed control's Red wire to the Battery (-) negative, or vehicle Ground wire.



Warranty:

The control is warranted by the manufacturer to be defect free from faulty materials or workmanship. If any defect is found within the 1 year Warranty period, the control must be sent to Qualitech to determine cause of failure and if it is due to wiring, mis-application, or a warranty repair. Controls that have been opened are no longer in warranty. We will provide a quote for repair of the control.