Motor
24 VDC
White - To Motor Wire
Red
To (+) Pos. Battery Terminal
White - To Motor Wire
To (-) Neg. Battery Terminal - Black

MD24HDSR Installation Instructions

Application:
The MD24HDSR is a Heavy Duty Motor Speed Control specifically designed for 24 Volt PMDC (Permanent Magnet DC) motors, rated up to 1 h.p.
The Wind and Unwind function is set by the rocker switch and the momentary pushbutton switch is used to soft start the motor and turn off the motor.

Mounting: Remove the nuts from the mounting studs and use these nuts, with your 1/4" lock washers to secure the box to your mounting site. Grounding the control is not required.

Wiring Instructions:
The Control's Red wire and Black wire must be connected directly to the vehicle battery with 10 guage wire if less than 8 feet to the battery. 8 guage wire if 8 to 20 feet. 6 guage if over 20 feet to the battery. Grounding the Black wire to the truck body is too high resistance and will cause a control failure.
If using ring terminals, use the appropriate cimper to acquire a secure crimp and/or solder the barrel of the connector. Use dielectric grease for all bolt on electrical connections.

CAUTION: The Motor wires must not be connected to anything on the vehicle. They are to be connected to the Speed Control wires only.

NOTE: If the Motor does not rotate in the desired direction, swap the control's White wires with the two Motor Wires.

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 company will repair the equipment without charge for materials and labor if it is determined to be a workmanship problem or faulty material. If it is determined that the cause of fail was due to poor battery connections, or mis-wiring, we will provide a repair quote prior to repairing.