

MD2425S Installation Instructions Rev. 6/10

Application:

The **MD2425S** is a Motor Speed Control with the required components to provide the Motor On/Off Switching function. The controller is intended for applications using a 24 Volt PMDC (Permanent Magnet DC) motor up to 1/2hp and a 24 Volt Battery. The control cannot be used for high pressure hoses on jetters, not for winching, nor labor intensive applications. The heavy duty MD24HDS control is required for these labor intensive applications.

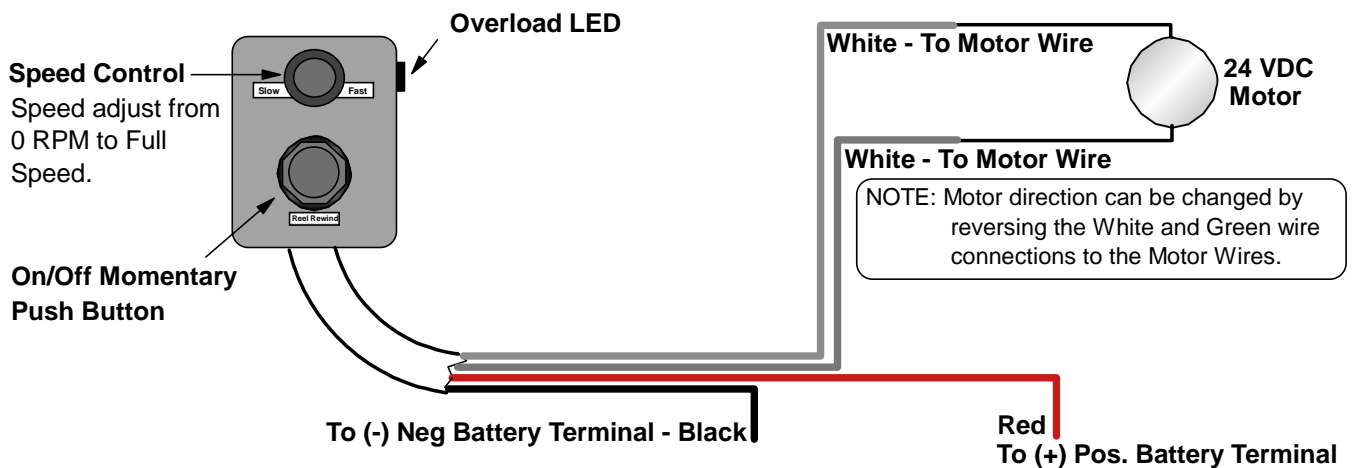
Mounting:

Remove the nuts from the mounting studs on the back of the box. Use lockwashers and these nuts to secure the control to your mounting site. Mount the control upright so the wires are on the bottom. Do not mount the control flat on it's back.

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 vehicle body, or frame, is too high resistance and will cause a large voltage drop. This will lead to increased current draw, current overload/shutdown, and premature motor brush failures. If using ring terminals, use the appropriate crimper to acquire a secure crimp and/or solder the barrel of the connector. Use dielectric grease for all bolt on electrical connections.

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



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.