
MD12HDS Speed Control Installation Instructions

Application:

The **MD12HDS** is a heavy duty Motor Speed Control specifically designed for 12 Volt PMDC (Permanent Magnet DC) motors, up to 2/3 h.p. The MD12HDS contains the required components to provide the Motor On/Off Switching function. The MD12HDS has an internal over current / auto shutoff sensor with an Overload indicator LED. To reset, release the pushbutton, wait for 5 seconds, and depress the pushbutton.

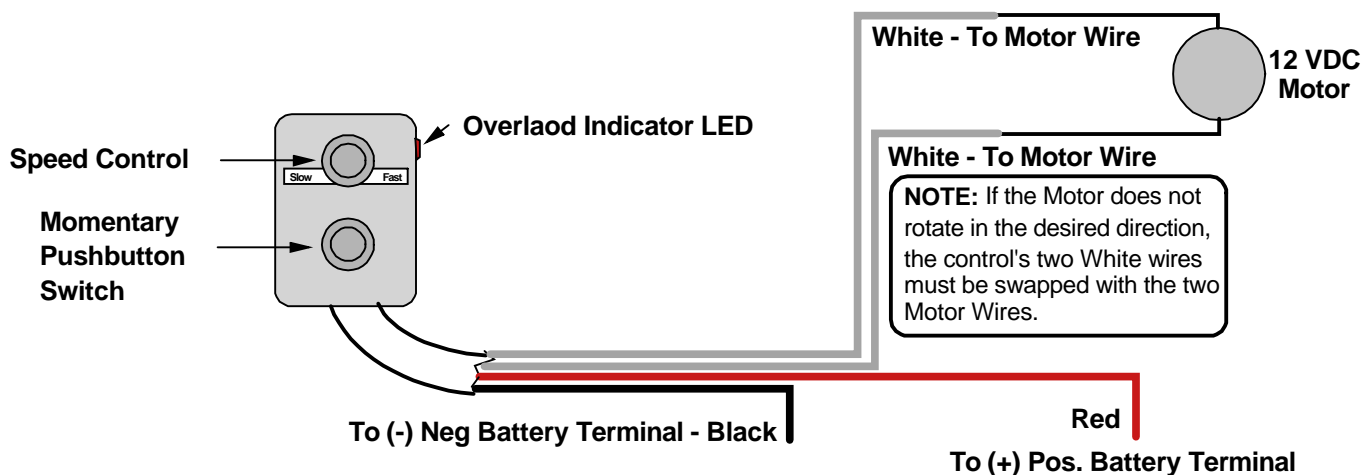
Mounting:

- 1) Remove the nuts from the mounting studs and use these nuts, with 1/4" washers to secure the box to your mounting site.
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Wiring Instructions:

The Control's Red wire and Black wire must be connected directly to the vehicle battery with 10 gauge wire if less than 8 feet to the battery. 8 gauge wire if 8 to 20 feet. 6 gauge 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 Motor wires 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.