

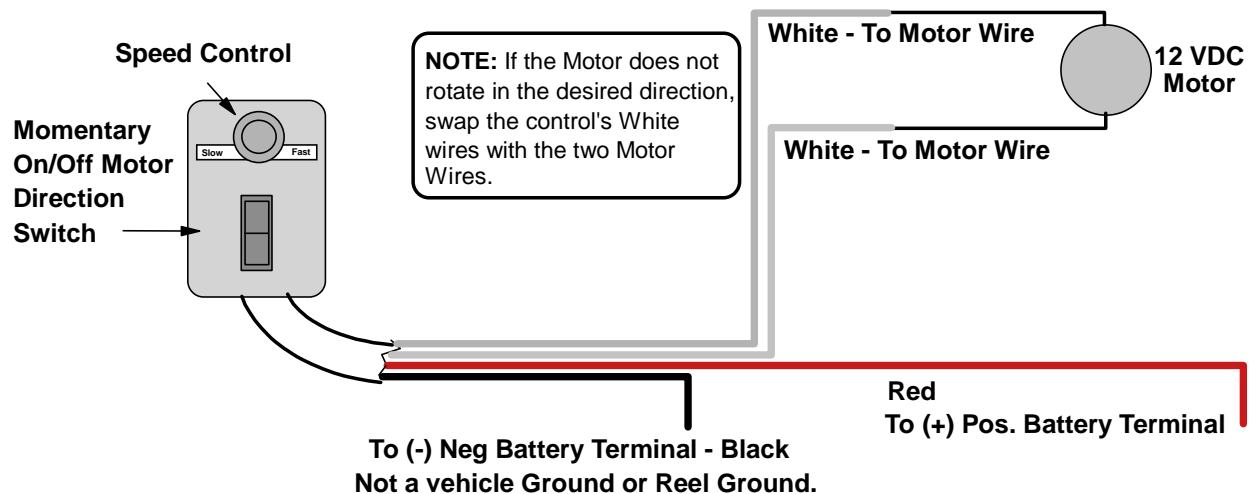
Application:

The **MD12HDSR** is a Heavy Duty Motor Speed Control specifically designed for 12 Volt PMDC (Permanent Magnet DC) motors, rated up to 2/3 h.p. The control contains under voltage / over current protection and will turn off if there is a problem with your battery connections or motor. To reset, release and press the on/off direction rocker switch. If the control turns off again, clean/repair your battery connections first. Then, check your 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. Mount the control upright. 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 gauge wire if less than 8 feet to the battery. 8 gauge wire if 8 to 20 feet from the battery. 6 gauge wire if over 20 feet to the battery. **Grounding the control's Black wire to the truck body is too high resistance and will cause the control to turn off (under voltage condition) and may lead to a premature control failure.** If using ring terminals, use the appropriate crimper to acquire a secure crimp and solder the wire barrel of the connector. Use dielectric grease for all butt connections and ring terminal bolt on electrical connections. Clean, grease, and tighten your battery feed connections twice per year. The control's white motor wires must be connected to the two motor 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, you must send the control to the manufacturer for analysis/repair. If the analysis shows that the control was not wired per these instructions, or the control was opened, the manufacturer will provide a repair quote.
