

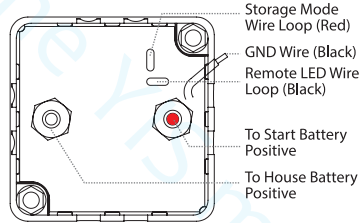
Voltage Sensitive Relay (VSR)

Automatic charging relay help avoid dead battery

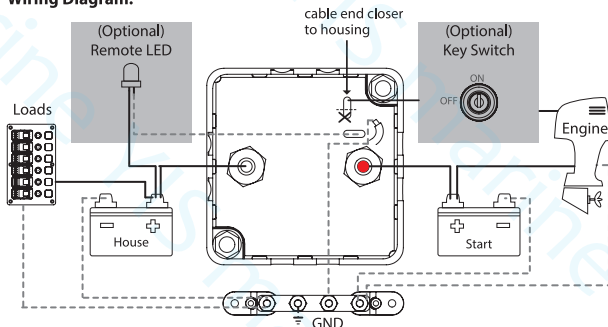
- Automatically combines two batteries when charging and isolates the two batteries when not charging
- No voltage drops comparing to battery isolator diodes (0.6V)
- Robust Glass Fiber reinforced Nylon enclosure
- Built-in LED indication (ON when VSR engages)
- Port for remote LED indicating VSR status (LED not included)
- Surface or panel mount options provides flexibility when installing
- Storage Mode allows zero power consumption when engine is off

Product Specifications

- Nominal Voltage | DC 12V
- Combine Voltage | DC 13.3V
- Open Voltage | DC 12.8V
- Continuous Rating | DC 125A
- Intermittent Rating | DC 140A
- Power Consumption | 10mA (Standby)
330mA(Engage)
0mA (Storage)
- Terminal Studs | M6(1/4")
- Notes | CE



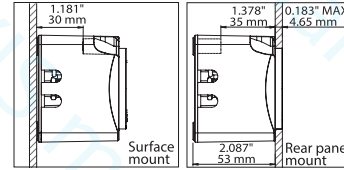
Wiring Diagram:



※ Wiring Diagrams are for reference only, consult professionals for wiring suits your needs.

Installation Instructions:

1. Disconnect positive terminal from battery.
2. Mount the VSR onto desired surface (surface mount) or panel (panel mount).



3. Connect Start Battery to the terminal with Red painting (sensing terminal), and connect the house battery to other terminal on the VSR.
4. Connect the black cable to the DC Ground.
5. [Remote LED] Cut the black LED looped wire and connect one end to Negative leg of a remote LED. Connect 12V power to LED's positive leg; Seal the other end of the cut looped wire with insulation tape or potting.
6. [Storage Mode] Cut the red looped wire and connect J2 (the end closer to the housing) to the engine start /key switch ("Ignition" terminal)

