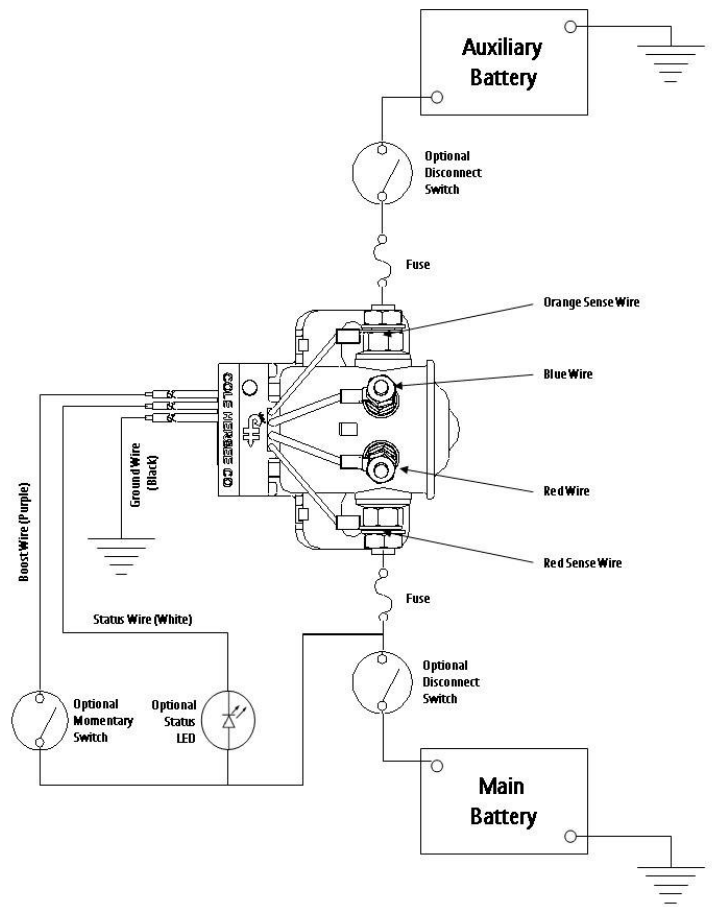


Smart Battery Isolator 48525 & 48530



Connections

- 1) Disconnect the battery or switch it off with the master disconnect switch before installation.
- 2) Connect the 48530/48525 MAIN BAT+ stud to the positive terminal of the main battery (also called starting battery or chassis battery). Use appropriate heavy gauge cable and proper fusing.
- 3) Connect the 48530/48525 AUXILIARY BAT+ stud to the positive terminal of the auxiliary battery (also called the coach battery). Use appropriate heavy gauge cable and proper fusing.
- 4) Connect black "Ground" wire to ground.
- 5) Optional circuit connections:
 - a) Connect violet "Boost" wire to a normally open momentary switch. Connect the other side of the switch to +12V DC.
 - b) Connect white "Status" wire to a 12V DC, 50mA max. audio/visual alarm. Connect the other side of the alarm +12V DC.
 - c) Unused wires should be capped or otherwise insulated from active circuitry.
- 6) Reconnect the batteries.


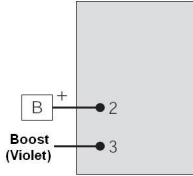

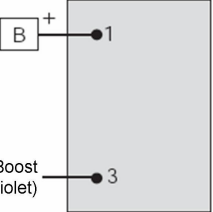


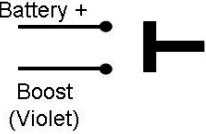

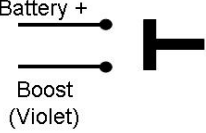

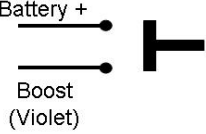

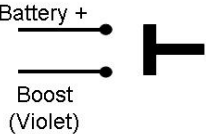

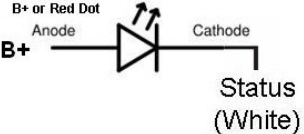

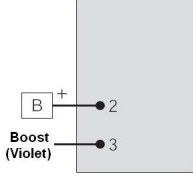
Operation

- 1) The two batteries are electrically connected together when either battery voltage is above 13.2V for 2 minutes (e.g. during charging).
- 2) The two batteries are isolated when both battery voltages are below 12.7V for 1 minute.
- 3) The BOOST function connects the two batteries to provide more starting energy.
 - a) To enable the BOOST function, connect the violet wire to 12V DC via a momentary switch or through the ignition switch.
- 4) The STATUS indicator and the on-board LED are turned on when the two batteries are connected together.

Specifications

| | |
|-------------------|----------------------------------|
| Environmental: | SAE J1455 and J1113 |
| Electrical: | 9-16V DC |
| | 200A/85A continuous |
| | 750A inrush |
| | 8 mA quiescent current |
| Accuracy: | +/- 100 mV |
| Power studs: | 5/16" -24 copper studs |
| Wire connections: | 18 AWG, SXL, 6" |
| | a. violet – BOOST |
| | b. black – GROUND |
| | c. white – STATUS |
| Mounting: | 5/16"x19/32" on 2 13/64" centers |
| | (7.9 x 15.1 on 56 mm centers). |
| Dimensions: | 3.4" x 3.4" x 3.1" |

Cole Hersee Accessories for your Smart Battery Isolator

| Picture | Part Number | Description | Hook Up |
|-------------------------------------------------------------------------------------|-------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
|  | 58311-02 | Momentary Rocker |  |
|  | 55020-04 | PVC-coated Toggle Switch |  |
|  | 55020-02 | Momentary Toggle Switch | |
|  | 9216-03 | Momentary Switch with seal and screw-on cap |  |
|  | 9155 | Momentary Switch with large button |  |
|  | M-626-02 | Marine Momentary Switch with seal and screw-on cap |  |
|  | 9187-02 | Momentary Switch with red button |  |
|  | PL-612-R | Red LED Indicator Light |  |
|  | M-58031-07 | Marine Momentary Rocker |  |