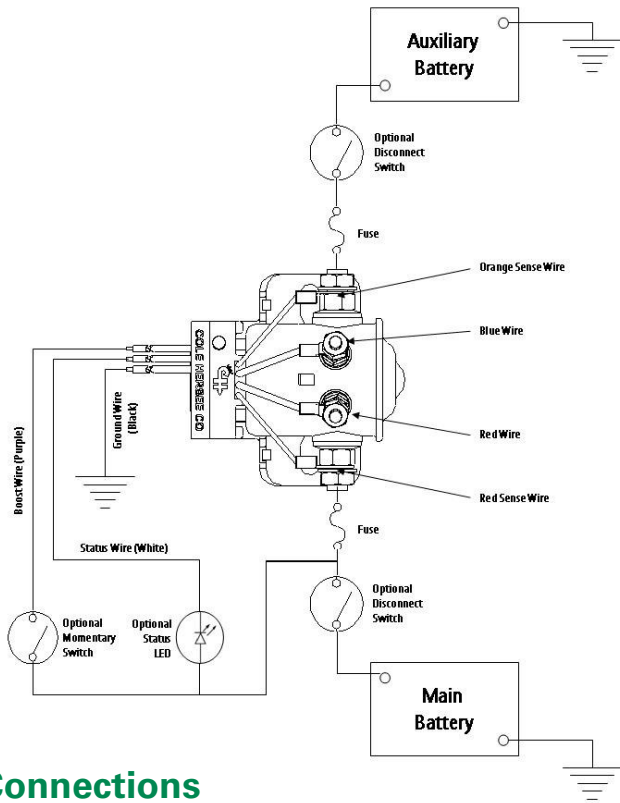
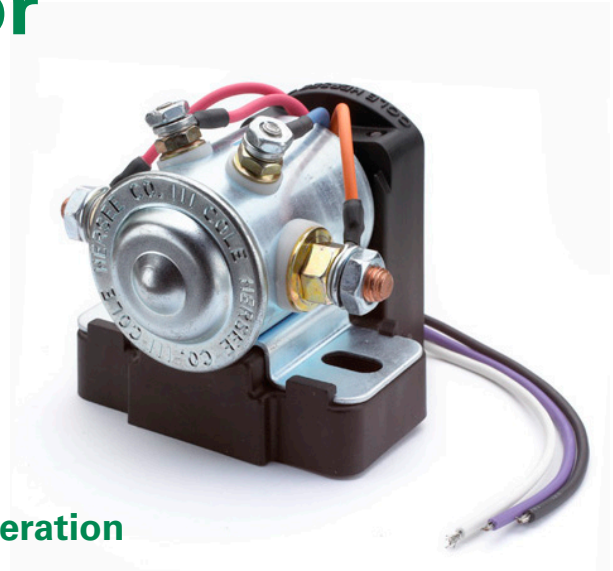


# Smart Battery Isolator 48525 & 48530



## 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:
  - Connect violet "Boost" wire to a normally open momentary switch. Connect the other side of the switch to +12V DC.
  - Connect white "Status" wire to a 12V DC, 50mA max. audio/visual alarm. Connect the other side of the alarm +12V DC.
  - Unused wires should be capped or otherwise insulated from active circuitry.
6. Reconnect the batteries.




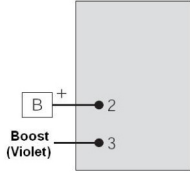

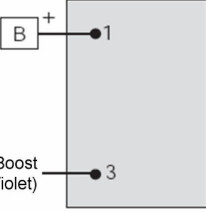


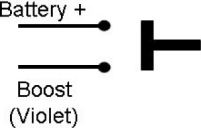

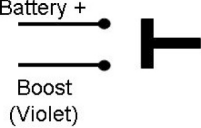

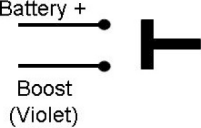

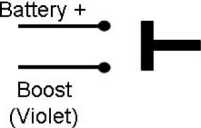

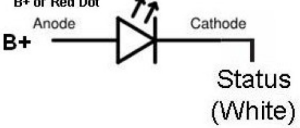

## Operation

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.
  - 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.

## General Specifications

<b>Environmental:</b>	SAE J1455 and J1113
<b>Electrical:</b>	9-16V DC 200A/85A continuous 750A inrush 8mA quiescent current
<b>Accuracy:</b>	+/- 100 mV
<b>Power Studs:</b>	5/16" -24 copper studs
<b>Wire Connections:</b>	Active High, 250mA a. violet-BOOST b. black-GROUND c. white-STATUS
<b>Mounting:</b>	5/16" x 19/32" on 2 13/64" centers (7.9 x 15.1 on 56 mm centers).
<b>Dimensions:</b>	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	