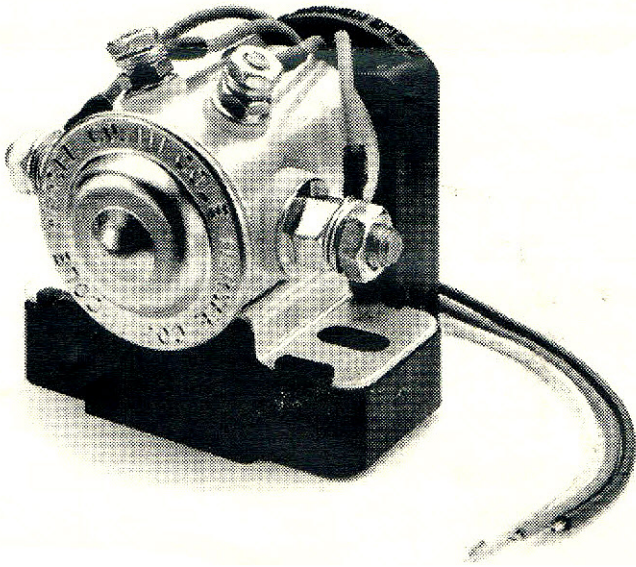
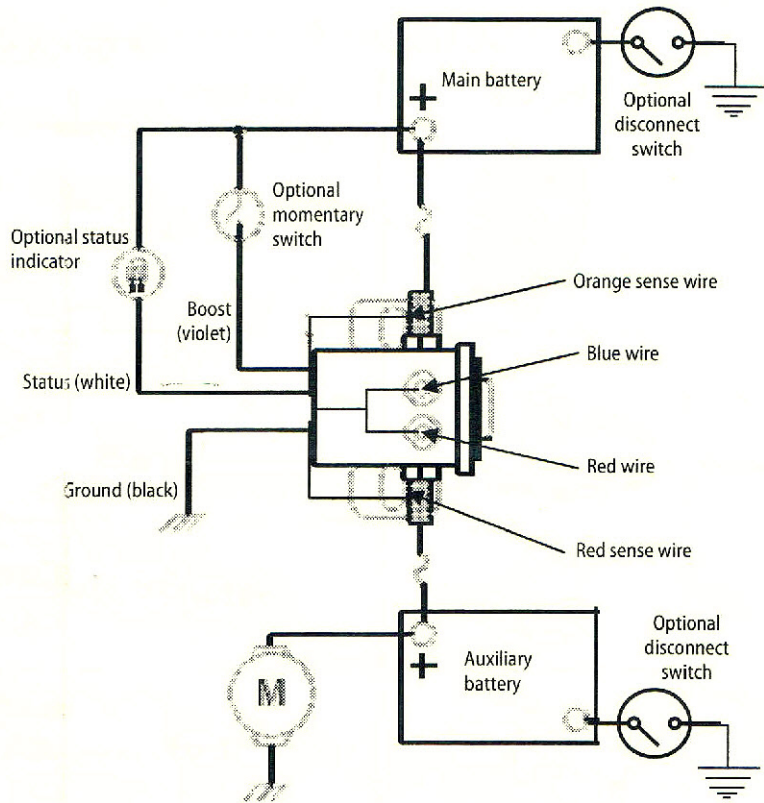


Smart Battery Isolator 48525 & 48530



Connections

- 1) Disconnect the battery or power supply or switch it off with the master disconnect switch before installation.
- 2) Connect the 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. Do not remove red sense wire from stud.
- 3) Connect the AUXILIARY BAT+ stud to the positive terminal of the auxiliary battery (also called the coach battery). Use appropriate heavy gauge cable and proper fusing. Do not remove orange sense wire from stud.
- 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 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 power.
 - 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"