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Voltscooter Electronics  
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Holyoke, MA 01040-2666 USA

### Warranty

If for any reason this product does not meet your needs, you may return it for a full refund. The warranty will be honored even if the product has been modified by installation. This offer is valid for a minimum of one year from the date of purchase.

## **VOLTSOOTER ELECTRONICS**

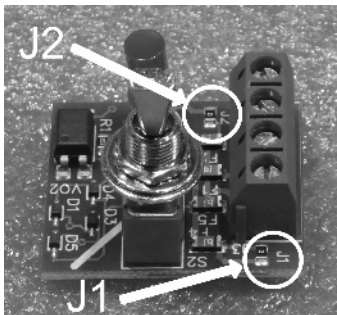
### Automatic Fuse

Trip levels set-able at 1.8, 1.4, 1.1 or 0.6 Amperes

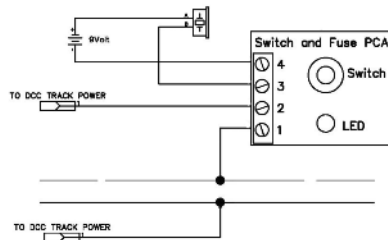
- Provides low-cost block protection.
- Isolates problems so that a short circuit in one area does not cause operations to halt elsewhere.
- In most cases will automatically reset when short circuit is removed.
- LED indicates that fuse is active.
- Optional interface to an alarm or to signal circuitry.
- Remains in a protected state until current flowing to the track ends.

## Installation

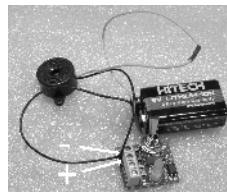
1. Decide on the desired setting level. It is advisable to set it at the lowest level that does not cause false trips. The recommended setting for HO and N Scale is 1.1 Amperes.
2. Set the appropriate trip level by removing jumpers. Remove J1 for 1.4 Ampere or J2 for 1.1 Ampere or J1 & J2 for 0.6 Ampere. Or with both jumpers in place the setting is 1.8 Amperes. Remove the jumpers with a soldering iron. If false trips occur, then solder a wire between the jumper pads for the next higher Amperage level.



3. Create a block of track for protection and connect the automatic fuse as shown in the diagram below with pins 1 & 2. Pins 3 & 4 can be left unconnected.



4. Connect optional feedback as if it is a normally open switch. Pin 4 must always be a negative polarity with respect to pin 3. Feedback switch is limited to 10mA or less and 30 Vdc or less.



5. Mount the Fuse Block to your fascia or panel with the switch hardware. Drill two holes 9/16" (15 mm) apart. The switch hole clearance is 1/4" (6.5 mm) and the LED hole clearance is 13/64" (5 mm).

This device sends a small constant current through the short. When the short is removed the current goes to nothing and the fuse resets. In most cases the fuse will reset when the short is removed.

If necessary actuate the toggle switch for a second and release. Sound equipped locomotives are more likely to need manual reset.

