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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**

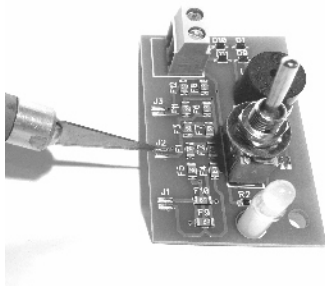
### Automatic Fuse

Trip levels can be set at 3, 2, or 1 Amperes

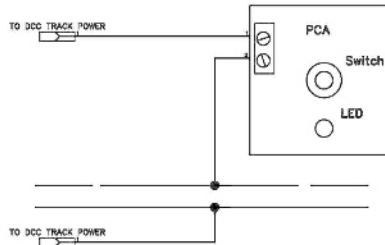
- Provides low-cost block protection.
- Isolates problems so that a short circuit in one area does not cause operations to halt elsewhere.
- In most cases will automatically reset when short circuit is removed.
- Remains in a protected state until short circuit is removed.
- LED indicator and sonic alarm notifies the user that the fuse has tripped.

## Installation

1. Decide on the desired trip level. It is advisable to set it at the lowest level that does not cause false trips. The recommended setting for HO Scale is 3 Ampere and N is 2 Ampere.
2. Set the appropriate trip level by cutting jumpers. Cut J1 for 2 Amperes, or J1 & J2 for 1 Ampere. Use a hobby knife and cut the fine trace that connects the two square pads of the jumper. If false trips occur, then form a solder bridge to re-connect the jumper.



3. Create a block of track for protection and connect the automatic fuse as shown in the diagram below.



4. If audible alarm is not desired you may disable it by cutting J4.
5. May be mounted to your fascia or via stand offs (not supplied) to your layout framing. If mounting to the fascia 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).

## Operation

Most circuit protection devices continually pulse the circuit to detect when the short has been removed. This can damage delicate contacts. Our device does not do this and instead sends a small 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 circuit is removed without using the "reset switch". If not, toggle and hold the reset switch for up to several seconds. This reset requirement sometimes happens when sound equipped-locomotives are in the circuit.