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Voltscooter Electronics
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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

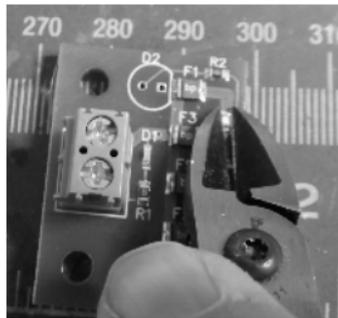
Automatic Fuse for DCC

Trip levels settable at 3.8, 2.3, 1.5 or 0.8 Amperes

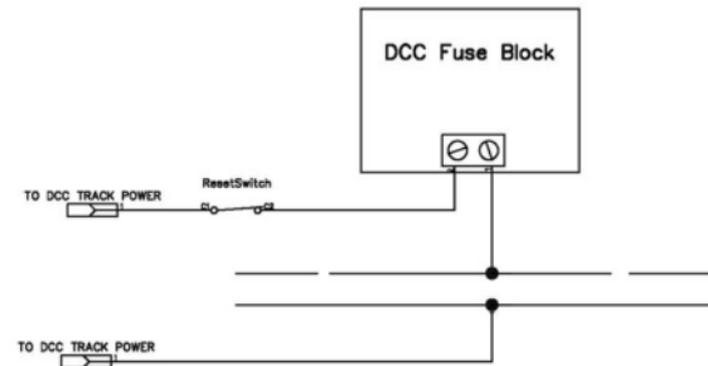
- Provides low-cost block protection.
- Isolates problems so that a short circuit in one area does not cause operations to halt elsewhere.
- Resets automatically when short circuit is removed.
- LED indicates that fuse is active.

Installation

1. Decide on the desired trip level. It is advisable to set it at the lowest level that does not cause false trips. For HO scale 1.5 Amperes is recommended and for N Scale 0.8 Amperes.
2. Set the appropriate trip level by removing jumpers. Remove J3 for 2.3 Ampere or J3 & J2 for 1.5 Ampere or J3, J2 & J1 for 0.8 Ampere. For 3.8 Amperes do not remove any jumpers. Remove the jumpers with either a soldering iron or with flush cutting diagonal pliers as shown. If false trips occur then add a wire between the jumper pads for the next higher Ampere level with a soldering iron.



2. Create a block of track for protection and connect the automatic fuse as shown in the next diagram.
3. Mount the DCC Fuse Block with either standoffs or double-back adhesive tape
4. You may add a remote LED indicator by connecting its leads at D2. The flat side or cathode of the LED should be connected to the square pad. An included 1 kOhm resistor reduces the LED current to about 16 mA.



When the fuse is tripped you may need to either remove power with a reset switch as shown above, or by removing the load (rocking the locomotive so that the electrical connection to the track is broken). The switch may be a normally closed push button as the fuse will reset in under a second.