



PROFESSOR MOTOR CONTROLLERS

Circuit Breaker Installation Instructions (PMTR2035)

General instructions to solder circuit breaker connections :

- Use a good grade of 60/40 rosin core electrical solder
- Never use acid core solder or a liquid acid flux as this will cause corrosion
- Clip off the extra lead length after circuit breaker is in place

Step 1. *For the "Plus Series" (blue circuit board controllers)* use a Dremel or sharp hobby knife to cut one of the traces on the back of the controller circuit board in the location shown below :



Step 2. Insert the circuit breaker in the top side (or bottom side) of the controller circuit board with the wires bent to enter the large diameter holes shown below & solder in filling the holes :



For the "Silver Series" (red circuit board controllers) there are no traces that need to be cut for installation (unless the variable brake is used). The circuit breaker can be installed in either of two positions as shown in the pictures above on either the front or back side of the circuit board. If installed as in the center picture above, bend to the right side slightly to make sure that there is no interference with the plastic boss of the handles (when enclosed).

This circuit breaker can also be used in any other brand of controller (solder into brake wire) and can also be used for any home or commercial slot racing track in the brake circuit to help protect against possible short circuit damage.

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