



## INSTRUCTIONS - PROFESSOR MOTOR 4-LANE WIRING CENTER (PMTR1071)

### Wiring directions for positive polarity controllers :

- #2 Wire to + power : main power feed from (red) power supply / battery
- #11 Wire to - power : main power feed from (black) power supply / battery
- #1 Wire to the white post (power) for lane #1
- #3 Wire to the white post (power) for lane #2
- #4 Wire to the white post (power) for lane #3
- #6 Wire to the white post (power) for lane #4
- #7 Wire to the red post (brake) for lane #1
- #9 Wire to the red post (brake) for lane #2
- #10 Wire to the red post (brake) for lane #3
- #12 Wire to the red post (brake) for lane #4
- #8 Wire to left side braid/rail of track lane #1
- #13 Wire to left side braid/rail of track lane #2
- #14 Wire to left side braid/rail of track lane #3
- #15 Wire to left side braid/rail of track lane #4

### Other wiring (not connected to wiring center) :

- Wire black (track) controller post for lane #1 to right side braid/rail of lane #1
- Wire black (track) controller post for lane #2 to right side braid/rail of lane #2
- Wire black (track) controller post for lane #3 to right side braid/rail of lane #3
- Wire black (track) controller post for lane #4 to right side braid/rail of lane #4

This wiring center will provide protection against short circuit and overload conditions that may be encountered due to misconnected controllers, track wiring issues or any slot car related issue that might cause excessive current draw. In doing so the controllers, track, cars and track wiring are all protected against potential electrical issues and resulting damage. The self-resetting circuit breakers used will restore power automatically without any need for a manual reset or fuse replacement after the electrical issue is resolved. Ring type wire terminals are included in this kit (not shown in illustration). We recommend that all wire to wire terminal connections are soldered for the best reliability using electrical type 60/40 rosin core solder (do not use acid flux). 14 to 16 gage wire is recommended for all connections.



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