



Wiring instructions for 4 lane race director systems (PMTR6881/PMTR6890) :

- #16 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
- #17 Wire to "BLACK" lead of wires from 15 foot lap counter cable
- #18 Wire to "RED" lead of wires from 15 foot lap counter cable
- #2 and #5 connections are **NOT USED**

Other wiring (not connected to race director system) :

- 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 race director allows the track power to be turned on and off using computer control so that races can be run. This system also uses an integrated "wiring center" that provides protection against short circuit and overload conditions that may be encountered due to misconnected controllers, track wiring issues or any car related issue that might cause excessive current draw. 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 terminal connections are soldered for the best reliability using electrical type 60/40 rosin core solder (do not use acid flux). 16 gage wire minimum is recommended for all connections. The race director must be installed close to the lap counter system or the two wires from the 15 foot cable that connect to terminal #17 & #18 must be extended with 16 gage wire to the distance needed to reach the race director (carefully solder & insulate the connecting wires).

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