



# PROFESSOR MOTOR CONTROLLERS

Thank you for purchasing the 1/32 & HO “Silver Series” Base Model Controller (PMTR2055)

Intended application : 1/32 & HO Home & Commercial Track Racing

This model features the following high quality features

- **Recommended operating voltage range 12 to 15 volts DC**
- New “Silver Series” ultra robust design features (see web site for detail)
- Self resetting electronic circuit breaker system
- Extra long, heavy duty 16 gage PVC insulated controller leads
- Low friction trigger bushing
- Nickel plated alligator clips
- Color coded vinyl insulating boots
- High impact polycarbonate plastic molded handle
- Full electronic semiconductor design with wide range of control
- Low friction graphite impregnated wiper button
- Brass alloy wiper contacts
- Stainless steel hardware throughout
- Upgradeable modular design

Use & Care Instructions

- This controller is wired for positive polarity track configurations. Addition of the optional polarity switch system is required for proper operation on negative track wiring
- **Caution !** : If connected incorrectly to power, permanent damage can result.
- **Caution !** : Wires on the internal circuit board may be very sharp and can cause injury if handled with the external housing removed
- Addition of the optional heat sink is highly recommended for use with higher powered cars

Optional upgrades for this controller

- PMTR2038 Variable Brake System
- PMTR2036 Polarity Reversing Switch System – Allows use on negative wired tracks
- PMTR2037 Power Relay System
- PMTR2070 Variable Sensitivity System
- PMTR2071 Low Cost Variable Sensitivity System
- PMTR2069 Heat Sink (for use with PMTR2070 Variable Sensitivity System)
- PMTR2033 Heat Sink (for use when PMTR2070 is NOT used)
- PMTR2030 Power & Polarity Pilot Light System
- PMTR2011 / 2013 / 2014 / 2015 / 2016 Silicone 13 Gage Wire Harness

Regular maintenance

- Clean carbon wiper button with 400-500 grit emery paper (slide paper under wiper)
- Clean brass contacts using 600 grit emery paper (remove all brass dust with lighter fluid)
- Oil the trigger pivot bushing (top & bottom) with light machine oil

For technical information, questions or the latest catalog of available service parts and