



# PROFESSOR MOTOR CONTROLLERS

Thank you for purchasing the “Silver Series” Rental Controller – Consumer Version (PMTR2046)

This controller includes an industry leading electronic system to help prevent damage from short circuits and current overloads caused by accidental miswiring. In addition the best available materials and technology are used to insure long service with frequent use.

Intended application : HO, 1/32 and 1/24 home & commercial track racing  
Not recommended for high-powered wing car glue racing

This model features the following high quality features

- New “Silver Series” ultra robust design features (see web site for information)
- Dual self resetting electronic circuit breaker system
- Anodized aluminum heat sink, unique internal handle-protected mounting
- Low friction brass/steel trigger bushing system
- Extra long, heavy duty 13 gage Silicone insulated controller leads
- Solid copper alligator clips with 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 with brass alloy wiper contacts
- Stainless steel hardware throughout
- Upgradeable modular design

Use & Care Instructions

- Caution ! : Be careful when placing the controller down on a commercial track to avoid contact with the wiring connections to the track. The heat sink (inside the handle) and internal wiring is electrically active and a short circuit could result.
- Caution ! : Wires on the circuit board may be very sharp and can cause injury if handled with the exterior housing removed

Optional upgrades for this controller

- Reversing Switch – Modular Upgrade (kit) to allow use on negative wired tracks
- Power Pilot Lights – Modular Upgrade (kit) to indicate power & polarity

Regular maintenance

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

For technical information, questions or the latest catalog of available service parts and upgrades please visit us on the World Wide Web : [www.professormotor.com](http://www.professormotor.com)