



PROFESSOR MOTOR CONTROLLERS

Thank you for purchasing the Ninco Dual Power Base Home Set Controller (PMTR2045)

Intended application : 1/32 home track racing

This model features the following high quality features

- **Recommended Operating Voltage Range : 14 to 19 volts**
- New "Silver Series" ultra robust design features (see web site for information)
- Extra long, heavy duty 16 gage PVC insulated controller leads with ¼" plug
- High impact polycarbonate plastic molded handle
- Full electronic semiconductor design with ultra wide range of control
- Resistor modulated braking system for improved on-track performance
- Low friction graphite impregnated wiper button
- Brass alloy wiper contacts
- Low Friction Trigger Bushing
- Stainless steel hardware throughout
- Upgradeable modular design

Use & Care Instructions

- Because of extreme weakness in the Ninco power base system only connect or disconnect these controllers with the power disconnected from the terminal track.
- This controller is wired for negative polarity track wiring configurations. With the Ninco dual power base either direction of movement is possible without installation of the polarity switch.
- With an adapter to reduce the plug to 3.5mm this controller can be used on the Ninco "single power base" or the Scalextric Sport track system
- **Caution !** : Wires on the circuit board may be very sharp and can cause injury if handled with the external housing removed

Optional upgrades for this controller

- PMTR2030 Power & Polarity Pilot Light System
- PMTR2071 Low Cost variable sensitivity system (use if racing with 14 volt transformers)
- PMTR2070 Variable sensitivity system with external knobs

Regular maintenance

- Clean wiper button with 400 - 500 grit emery paper (slide paper under wiper)
- Clean brass contacts using 600 - 800 grit emery paper (carefully remove all brass dust)
- Oil the trigger pivot bushing (top & bottom) with a light machine oil

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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