

FOR YOUR PROTECTION

1. Never reverse locos without stopping them first. To do so may damage locomotive engine.
2. Never connect locomotive to A.C. Terminals, this will also damage locomotive engine.
3. Turn power switch off at end of day's operation.
4. When a short circuit occurs and circuit breaker trips, turn unit off and correct short circuit, allow 2 to 5 minutes for circuit breaker to reset before turning unit back on.
5. Avoid prolonged overloads and short circuits.
6. Do not store in damp area.
7. For best performance keep track and wheel surfaces clean. Intermittents and "jerky" operation are often caused by an oxide coating which has formed on the track or wheels.
8. Before returning your unit for repair or service, make certain it is defective. Do not shut down your layout unnecessarily.
9. If it is necessary to return your unit, repack in its original carton and then in an outer carton, placing 4 inches of packing material on each side. Mail the unit to MRC, Parcel Post Insured, with a letter explaining the trouble.

MODEL RECTIFIER CORPORATION
2500 WOODBRIDGE AVENUE EDISON, NEW JERSEY 08817

Printed in U.S.A.

INPUT —
120V AC 60HZ

OUTPUT —
16V DC 18V AC
13 VA DC MAX
TOTAL OUTPUT
23 VA

**CAUTION — ELECTRICALLY
OPERATED PRODUCT.**

NOT RECOMMENDED FOR CHILDREN UNDER 8 YEARS OF AGE.
AS WITH ALL ELECTRIC PRODUCTS,
PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND
USE TO PREVENT ELECTRIC SHOCK.

THROTTLEPAK

OPERATING INSTRUCTIONS

FOR: #501 for HO 1/87 -- OR -- #501, "N" for N Gauge 1/160
Model Railroads Postage Stamp Model Railroads

CONGRATULATIONS:

You have purchased the finest Train Control available. With a minimum of care this flair fashioned beauty will give you years of Model Railroading enjoyment.

A thrilling new experience awaits you when you hook on to this power supply. Realistic operation, pin-point control, and ample reserve power combine to pep-up pike performance.

If this is your first purchase of Model Rectifier Corp. equipment, you are in for a pleasant experience. Our old friends will expect and receive the best in train controls.

We look forward to serving you again in the future.

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THROTTLEPACK

INPUT - 120V AC 60HZ

OUTPUT - 16V DC 18V AC, 13 VA DC MAX

TOTAL OUTPUT - 23 VA

0-12 Volts Variable D.C.

16 Volts A.C.

12 Volts Fixed D.C.

CONTROLS

SPEED

The 320° taper-wound rheostat provides an extended range speed control which will permit you a far wider choice of train speeds.

FULL-PULSE POWER

For realistic scale operation slow speeds are essential. Some power packs start engines with a jerk and offer erratic control at low speeds. For smoother starts and superior slow speed operation, Model Rectifier's Throttlepack contains a pulse power switch. When you switch from full to pulse power the effective output of the Throttlepack is reduced and power is applied to the track 60 times each second. These minute pulses of energy blend into smooth, continuous motion in your train. A flick of the switch to "full" and you are operating with full normal output. Like the low gear of an automobile, pulse power gives more torque at starting and very low speed. It is not recommended for higher speed operation.

DIRECTION

For quick easy loco reversing, just throw the indent-action Direction Switch.

ON-OFF

Shuts off all power to layout.

CIRCUIT BREAKER AND OVERLOAD INDICATOR LIGHT

The Throttlepack protection circuit combines both a circuit breaker to interrupt power output on all circuits and an overload light to indicate when a short circuit is present. When an overload occurs the indicator light will glow. To reset turn the unit off by using the master switch, correct the cause of the overload, wait 2 to 5 minutes and then turn the unit back on.

VARIABLE D.C. TERMINALS

are used to control locomotives. They will provide 0-12 Volts of controlled D.C.

16 VOLT A.C. TERMINALS

for operation of A.C. accessories, switch machines, lights, etc.

12 VOLT D.C. TERMINALS

Another exclusive feature of the Throttlepack. If at some later date you wish to operate another locomotive and have individual control of speed and direction, simply hook up a Model Rectifier Corp. Cab Control (taper-wound rheostat, reversing switch and circuit breaker) to these terminals and you are in operation.

DIRECTIONS:

1. Connect variable D.C. Terminals on Throttlepack to track terminals.
2. Connect 16 volt, A.C. Terminals to all A.C. switch machine controls, lights, etc., if your layout includes these accessories.
3. Connect 12 volt, D.C. Terminals to cab controls and D.C. accessories.
4. Check your layout to make certain there are no open track sections or broken wires. Make sure your track is clean and free of obstructions (tools, etc.). Be sure rolling stock is properly placed on track.
5. Turn speed control to zero, place master switch in off position and power switch in full position.
6. Plug line cord into 120 Volts AC 60 Hz house outlet and throw master switch to "on" position.
7. Turn speed control knob clockwise until locomotive moves. To reverse your locomotives, first stop them with Speed Control or On-Off Switch and then throw Direction Switch.
8. If a short circuit or overload should occur on your layout, the circuit breaker will trip and the overload indicator light will come on. To reset, turn master switch to "off" position and correct the cause of overload, allow 2 to 5 minutes for the circuit breaker to cool and then turn pack back "on". If the overload indicator light still glows, you have either failed to correct the overload or you have not allowed sufficient time for the circuit breaker to cool.

PARENTS PLEASE NOTE:

As with any electrically operated unit, it is always best to periodically examine it and have any potentially hazardous part repaired or replaced.