

- b. The REVERSE zones must be long enough to hold your loco and allow it to coast to a stop.
  - c. The TRIGGER zones must be as long as your locomotive.
  - d. The MAIN zone, its insulating joiners and wire to terminal 9 are optional and may be omitted, creating one long TRIGGER zone. The MAIN zone may be required in some applications and will be specified if necessary. If you are also installing the TIMED STATION STOP, omit the MAIN zone and insert the TRIGGER and STOP zones of the stop module.
  - e. Cars which pick up track power (lighted passenger cars, caboose, etc.) may affect the length of these zones and some experimenting will be necessary. As long as current is drawn in the TRIGGER zone, the reverse sequence will not begin.
4. Connect terminals 1 and 2 to a 13 to 20 VOLT AC source. **DO NOT EXCEED 20 VOLTS AC!** The AC (ACCESSORIES) output of an inexpensive train set power pack is an good source if you have no available outputs on your transformer.
  5. Terminals 8-9 and 10-11 are connected with preinstalled jumpers necessary for proper operation. **DO NOT REMOVE THESE JUMPERS WHEN INSTALLING WIRES!**
  6. Adjust the timer control (slotted disk indicated by ADJUST on the wiring diagram) with a small screwdriver for the desired stop time - clockwise rotation increases the time. The time must be long enough for the loco to escape the REVERSE zone.
  7. Stop time is adjustable in two ranges from 2 to 75 seconds. This may vary due to the tolerances of the components. As built, the unit is set to the 2 to 35 second range. To change to the 40 to 75 second range, cut the short jumper wire near the adjustment control.
  8. By inserting an ON-OFF switch in the wire to terminal 1, the automatic reversing function may be disabled and your train can be operated normally. This may be useful if the AUTO REVERSE UNIT is installed on passing tracks or sidings which are part of a larger layout and escape from this section is desired. The DEAD zones should be omitted where the REVERSE zone meets the remainder of the layout.

#### ONE YEAR LIMITED WARRANTY

POCONO MOUNTAIN LINES (PML) warrants each new AUTO REVERSE UNIT against defects in materials or workmanship for a period of one year from the date of purchase, and agrees, at its option, to repair or replace any defective unit at no charge during this period. This warranty does not cover damage resulting from misuse, accident, lack of reasonable care, modification, or connection to any voltage or current above the limits specified in the instructions. This warranty will be voided if the unit is disassembled or modified for any reason.

PML will not pay for warranty services performed by a non-authorized repair service and will not reimburse the Consumer for damage resulting from warranty service performed by a non-authorized repair service. No responsibility is assumed by PML for any special, incidental, or consequential damages. No other warranty, written or oral, is authorized by PML. This warranty applies to the original purchaser only and is not transferable.

In order to obtain warranty service, ship the unit postage prepaid, to the address shown. Package the unit properly as damage occurring during shipment is not covered by this warranty. If the unit was not purchased directly from PML, please include the warranty form enclosed and your dated sales receipt for proof of the purchase date.

**GET YOUR WARRANTY REGISTERED NOW!** Send in your warranty form and you will receive information on our other products which are compatible with your AUTO REVERSE UNIT.