



POCONO MOUNTAIN LINES

639 LAKESIDE DRIVE, TOBYHANNA, PA 18466

(717) 894-4086

MODEL RAILROAD EQUIPMENT AND ELECTRONICS

AC AUTO REVERSE UNIT INSTRUCTIONS (SOLENOID OR ELECTRONIC E-UNITS)

Model ARUE

5.0 AMP MAXIMUM CURRENT, 2 OR 3 RAIL

The AUTO REVERSE UNIT operates your train or trolley back-and-forth on point to point layouts, and provides automatic reversing at the dead-end of point to loop and out and back layouts, or at the end of any siding on the layout. Stop time at the reversing point is adjustable from 2 to 75 seconds. This is ideal for test tracks, displays, trolley layouts, push-pull passenger operation, and industrial spurs on any track plan. You retain full manual speed and direction control of your train at all points of the layout. The reverse unit may be used with the TIMED STATION STOP module which provides intermediate stops around the layout.

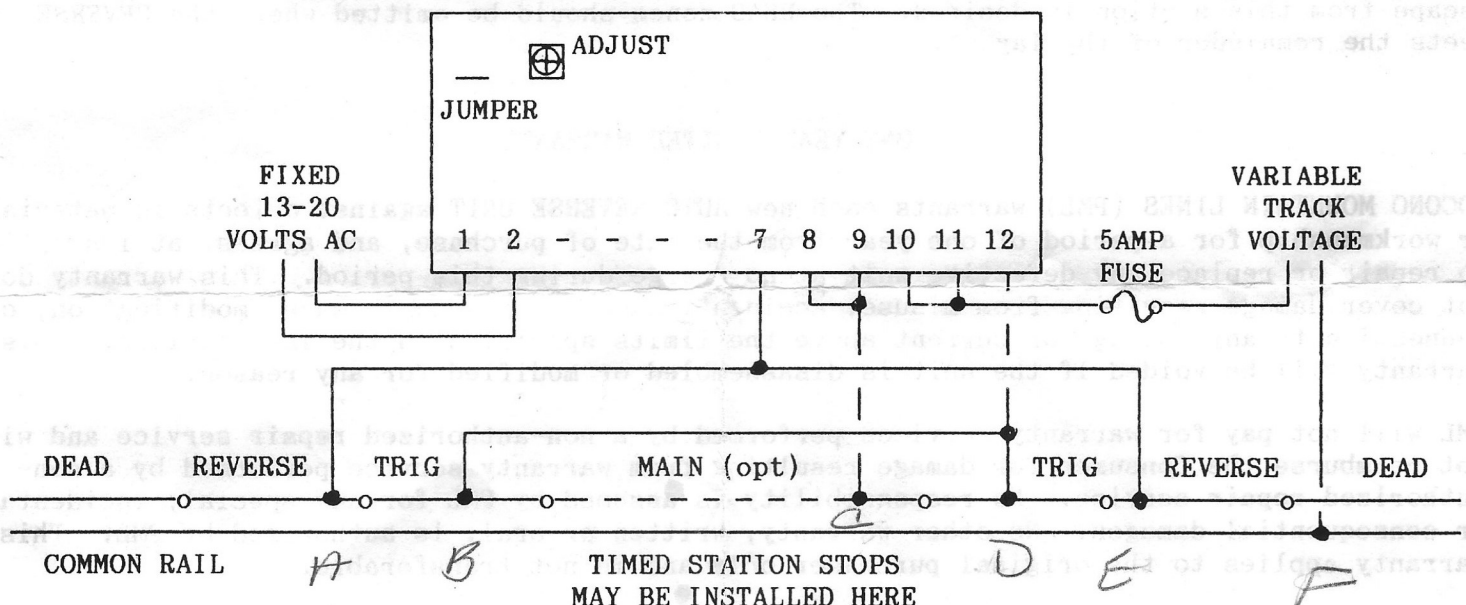
1. WARNING: If your transformer can supply more than 5 AMPS, the unit should be protected by a 5 AMP slow-blow fuse (Radio Shack #270-1027) to prevent damage from overloads.

2. Connect the AUTO REVERSE UNIT as shown in the diagram below:

Terminal numbers refer to those marked on bottom of circuit board.

Insulating rail joiners are indicated by "o".

For 3 rail installations, insulating rail joiners are installed in the center rail and the COMMON RAIL is either outside rail.



3. DEAD, REVERSE and TRIGGER zone lengths are dependent on several variables.

a. The DEAD zones and bumpers at the track ends are needed to stop your train if the E-UNIT malfunctions and the train does not reverse. If the locomotive enters the REVERSE zone first, the DEAD zone need only be long enough for the locomotive. If the locomotive is pushing cars into the REVERSE zone, the DEAD zone must be as long as the entire train.