

### 3-Way Electrofrog Turnout (SL-E99) Instructions

Contents:  
1 Three Way Turnout, 1 Length of plastic sleeving,  
2 Instruction leaflets

**IMPORTANT** Read these instructions and the main leaflet fully before proceeding

This turnout is supplied with two wires attached and is ready for connection to two single pole double throw (SPDT) changeover switches – not supplied

The recommended way to operate the turnout is to complete the electrical circuitry using two Peco Accessory Switches PL-13 in conjunction with two Peco Turnout Motors PL-10

1. The plastic sleeving supplied should be cut in half and then slid over the two wires protruding from underneath the turnout. Handle the wires carefully and do not bend unnecessarily. The wires and sleeving are intentionally long to allow for different wiring routes and can be shortened once this has been decided upon.
- 2a. If Peco Ballast Inlay SL-69 is used the two wires can be pushed through the ballast and then bent to lie between the ballast and the baseboard. Remember at this stage to cut two holes in the ballast to clear the two turnout motors when they are fitted.
- 2b. If the turnout is laid with loose ballast, the wires can be taken to the outside and along the edge of the sleepers (to be hidden later by the ballast) or through holes drilled in the baseboard.
3. Cut a hole in the baseboard 40mm x 54mm (1 $\frac{9}{16}$ " x 2 $\frac{1}{8}$ "") to accept the assembled turnout motors/switches. See diagram.

4. Attach the motors and switches to the turnout and complete the wiring as shown in the diagram below. Whenever possible this should be done before laying the turnout so that the whole assembly can be tested first as a unit.
5. If the three tracks leading from the turnout are sidings and are not connected, no further electrical breaks or wiring are necessary. However, should the tracks be joined in any way, Peco Insulating Rail Joiners SL-11 will be required on all rails at the frog end of the turnout.

#### Manual Control

Should manual operation be preferred, it is still necessary to wire the turnout in accordance with the diagram using two single pole double throw switches. The switches should be connected mechanically to the tie-bars so that they operate together. As an example the Peco Accessory Switches PL-13 can be fixed to the baseboard alongside the turnout and connected to the tie-bars with stiff wires or rods.

