

TRAINTRONICS Colour-Light Signals are designed to run from 12VDC. They may be controlled by the Traintronics range of colour-light signal switches, from your own switches or controller, or from a DCC Accessory Decoder.

FITTING TO BASEBOARD

Having located a suitable position for the signal, drill a 1/8 inch (3.2mm) diameter hole through the baseboard, making sure the drill is perfectly upright.

From above, carefully feed the lead wires of the signal through the hole in the baseboard, see figure 1. Insert the signal post into the hole and push it gently in until the base makes contact with the baseboard, taking care not to snag the lead wires.

Using polystyrene cement, attach the hoop, ladder and Identification Plate, see figure 2. Additional signs are included for the telephone and 'Track Circuit' diamond plate.

The signal is equipped with thin connecting leads, and an adaptor PCB is provided to enable normal wires to be connected to the signal. Apart from making it easy to connect the wires, the adaptor PCB also matches the brightness of the lamps and gives a fading effect which mimics the real signals.

Position the adaptor PCB under the baseboard near the signal, so that the lead wires from the signal will easily reach the adaptor PCB, see figure 3.

Mark through the two adaptor PCB fixing holes into the baseboard. Using a drill or bradawl make two small holes to accommodate the fixing screws.

Fit the adaptor PCB to the underside of the baseboard using the supplied screws, ensuring that the twospacer rings are positioned between the adaptor PCB and the baseboard.

CONNECTION INFORMATION

Connect the wires from the signal to the 'To Signal' terminal block on the PCB. Refer to figure 4 and the markings on the PCB and check that the right colour wires are in the correct positions. Using a small screwdriver, open the terminals and insert the wires. Make sure the wires are firmly gripped when the terminal has been tightened.

Connect the wires from your signal controller or switch to the 'From Supply' terminal block.

The signal controller should produce +12V on the corresponding output to illuminate the light. The negatives of the lights are all joined together to -.

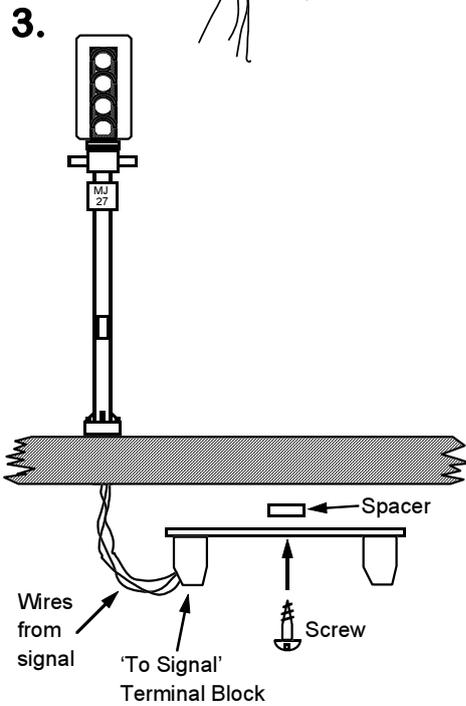
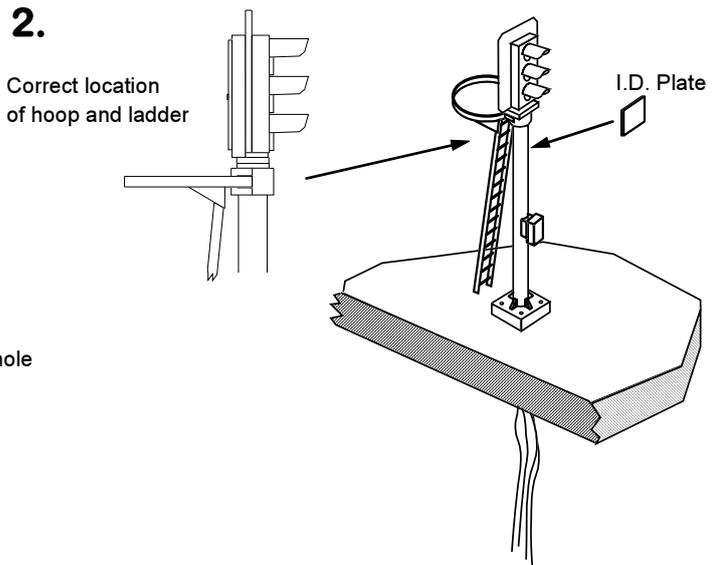
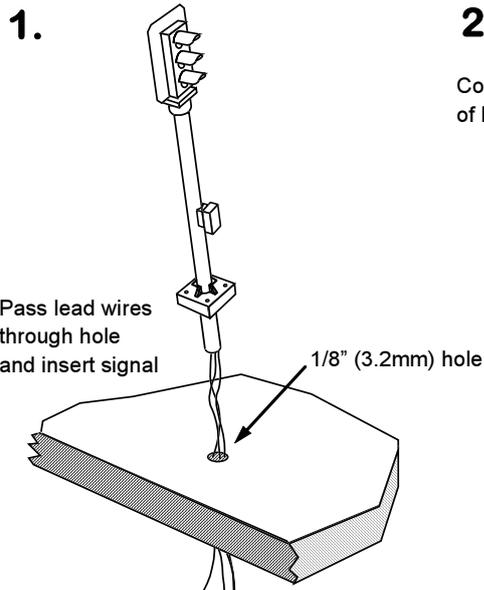
The Traintronics signal switch range provides a convenient way of operating Traintronics colourlight signals.

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TESTING

Operate the signal using your switch or controller, and check each aspect lights in the correct order. On double yellow signals the yellow wires may need to be swapped over. If one or more aspects do not light, double-check the connections. The signal lead wires are very thin and you may need to reposition them in the terminal block. Also check the polarity of your supply. The signals themselves are protected against most kinds of wiring faults so they should work once any problems have been corrected.

Secure all wiring neatly under the baseboard so that it will not get snagged or damaged.



4. Wiring Diagrams

