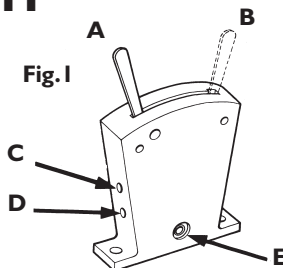


ON-ON LEVER SWITCH

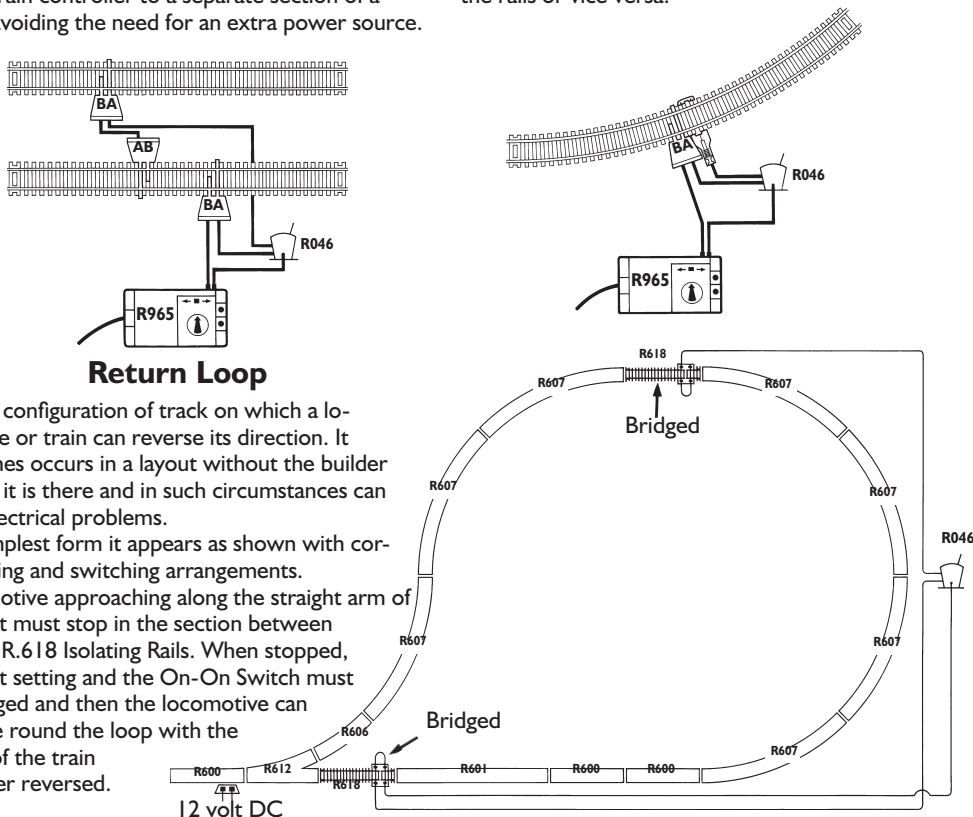
As well as operating Colour Light Signals, On-On Lever Switches can be used for other functions. The Switch (Fig.1) has three sockets for wires, one in the side (E) and two in the back (C and D). When the lever arm is in position A, a connection is made between C and E. Switching the lever to B makes contact between D and E. Two examples are shown of uses for the On-On Switch.



Alternative Circuits

An On-On Switch acting as an alternative circuit switch can be used to re-direct the electric circuit from a train controller to a separate section of a layout, avoiding the need for an extra power source.

Used in a similar manner it can divert current supply from an overhead catenary system to the rails or vice versa.



Return Loop

This is a configuration of track on which a locomotive or train can reverse its direction. It sometimes occurs in a layout without the builder realising it is there and in such circumstances can cause electrical problems.

In its simplest form it appears as shown with correct wiring and switching arrangements.

A locomotive approaching along the straight arm of the point must stop in the section between the two R.618 Isolating Rails. When stopped, the point setting and the On-On Switch must be changed and then the locomotive can continue round the loop with the setting of the train controller reversed.

Safety Notes

- This product is not suitable for children under 3 years because of small parts which can present a choking hazard. Some components have functional sharp edges – handle with care.
- Only use this product with the recommended transformer.
- This product must not be connected to more than one power supply.
- Before cleaning any part, disconnect the transformer from the mains electricity supply. Do not use liquid for cleaning.
- Retain these details for future reference.



COLOUR LIGHT SIGNAL

To operate an R.406 Colour Light Signal, an R.046 (yellow) On-On Lever Switch is required. The wiring from a suitable train controller is shown in Fig.1. The bulbs will function from 12-16 volts DC or AC.

Two or more Colour Light Signals may be operated from the same supply source as shown in Fig.2. Only one wire is needed from the power supply to the Switches as they are designed to interconnect automatically when banked together.

