MODRATEC

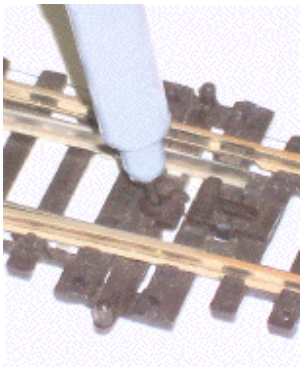
From our WIT (Wire-in-tube) Products range:

WP2 - Point-wit(4)

Point-wit allows for the operation of turnout points by the "wire-in-tube" method.

The vertical rod is set to engage with the tie rod of the points and is fixed in position by the horizontal screw. The other screw (sprung) adjusts the pressure on a clutch which grips the control wire as it passes through Point-wit. The pressure is set such that there is sufficient grip to operate the points while allowing excess travel to be accommodated. Maximum control wire diameter is 1.4mm.

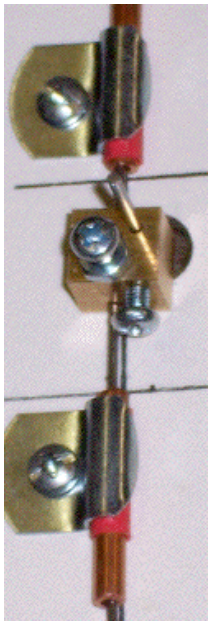
To use Point-wit follow these simple steps.



1. Temporarily locate the turnout accurately in its final position. Mark the location of the hole in the tie rod for the points both normal and reversed. Remove the turnout and drill an 8mm (5/16") diameter hole centered midway between the two marks. Replace the turnout.

2. On the underside of the baseboard, mark a line parallel to the tie rod and offset 3mm to the side of the hole in the tie rod. Also mark distances 8mm above and 12mm below the centre of the baseboard hole. [This assumes that your first line is offset to the left. If offsetting to the right then the distances need to be 12mm above and 8mm below.]

3. Set the operating rod so that it projects the correct distance above the body of Point-wit, that is, baseboard thickness + track underlay thickness + tie rod thickness.



4. The Point-wit, control wire and tubes are arranged as shown. A short length of tube is used on one side to support the control wire. On the other side, the tube continues to the Lever Frame. The tubes are clamped clear of the 8mm and 15mm marks and in line with the 3mm offset line.

NOTE 1: The small plastic "clutch" must be inserted into each Point-wit above the sprung screw such that it is located between the screw and the control wire.

NOTE 2: A crossover can be connected by a single control wire from the Lever Frame passing through a U-shaped tube between the two turnouts.

NOTE 3: The maximum distance between the top of the Point-wit body and the bottom of the tie rod is 30mm.

NOTE 4: For satisfactory operation, a wire with a smooth surface must be used, for example, piano (music) wire.

NOTE 5: The heat-shrink tubing provided is required only to clamp copper tube.

NOTE 6: If the controlling lever tends to spring back after operation of the points, this usually indicates that the clutch is adjusted too tight.