MR319 Point Motor Switch (coil type)
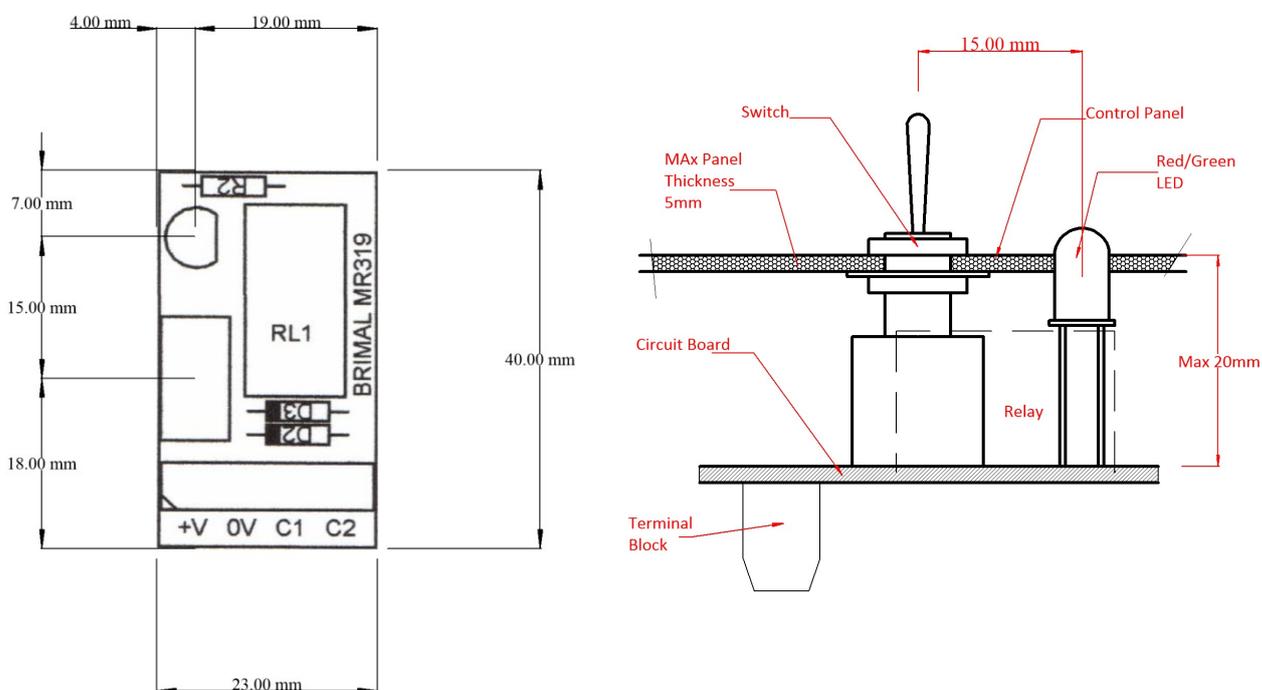
This switch must only be used on point motors that require a short pulse of power to change their state.
If you have STALL type point motors use the MR318 Board

THIS SWITCH UNIT REQUIRES NO EXTRA WIRES, NO SENSORS, NO SOLDERING - TO GIVE YOU A POINTS SWITCH WITH STATUS INDICATION- JUST THE WIRING YOU WOULD NORMALLY DO.

As the points only require a short pulse to energise them, there is no way to indicate the position of the points after they have changed, until now. This momentary switch has a built in relay and bi-colour LED. It therefore only requires 3 wires to the set of points, and does not require any wires back from the points to indicate the status of the points. This circuit will also indicate the correct status of the points the next time you power up your layout.

The LED is set at 15mm from the centre of the switch, and at the correct height not to require a LED mount, just a 5mm hole.

Connection of this Switch assembly is very simple. Looking at the terminal side of the board. Connect the Power to the board +V (max 16vDC) & 0V. The three wires from the points set are wired as shown. One of the 3 will be the 0V or Negative, this is shown Below as Black, the other 2 wires shown as blue go to the other 2 wires on the points set.

If you want the Green Led to indicate straight through, and the Red Led to indicate Turn out, set up as follows.

Power the board and the points, set the points to straight and then push the switch up to light the Green LED. There should be no movement of the points. If the points have moved, then swap around the wires in C1 & C2, and try again.