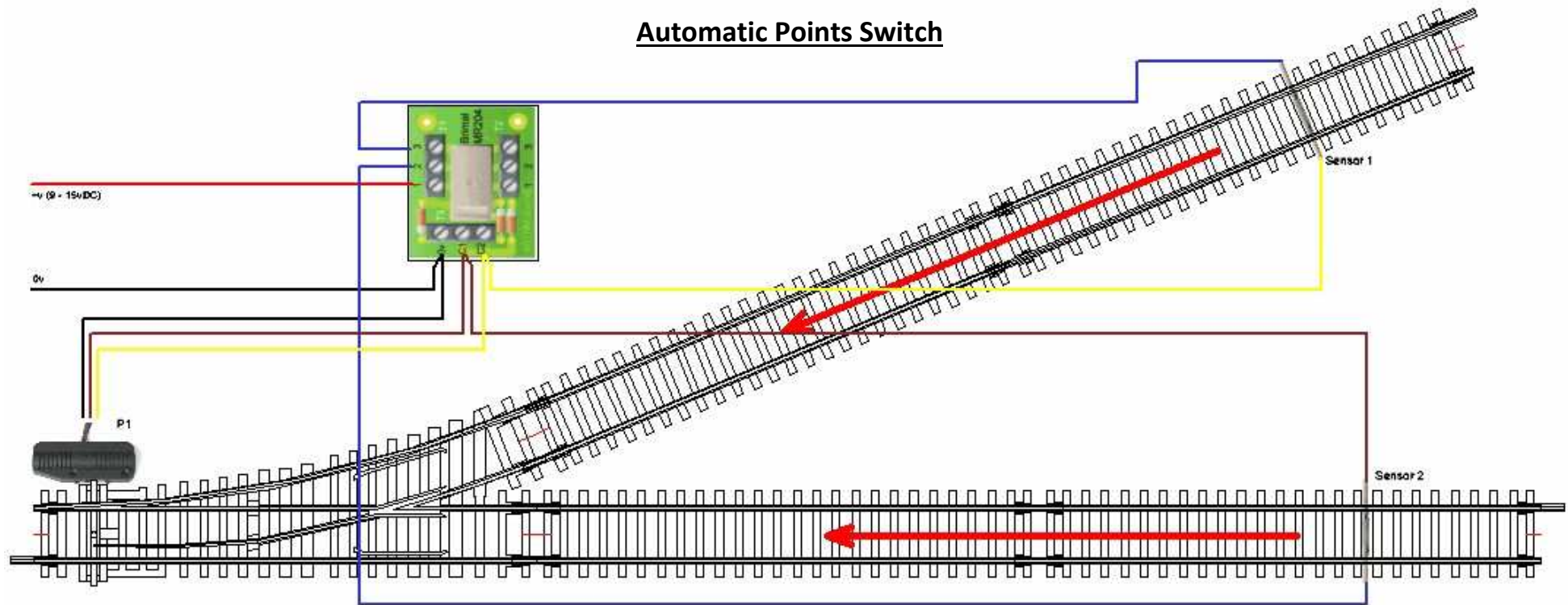


## Automatic Points Switch



In this application the MR204 is used to control a Point Motor automatically. The MR204 is controlled by 2 Reed Switches (Sensor 1 & Sensor2) this means the Locomotive requires a Magnet fixed to the underside of the unit to activate the Sensors.

This can be used on systems where the fiddle yard is feeding into a Main Line. The Sensor 2 is activated by the Loco switching the points to straight through, the MR204 now removes power from the sensor so any subsequent passes over the sensor have no effect on the Point Motor. The points will remain in this position until Sensor 1 is activated.

As a Train passes over Sensor 1 the points will change and power will be removed from Sensor 1, and put back on Sensor 2. Further Trains coming from the sidings will have no effect on the points.

With this arrangement there is one spare set of contacts on MR204, this can be used to drive a signal set, isolate the track, give an indication back at the control panel, or block another set of points.

The relay has latching contacts, this means once energised and power is removed the contacts stay in that state until the second coil is energised.

Once you have the system wired as above, you may find the indicators are back to front, this is due to the state of the relay when you first switch ON. In this case you may have to swap 2 & 3 around (you will only have to do this once - after the initial wiring, after this it will always be correct)