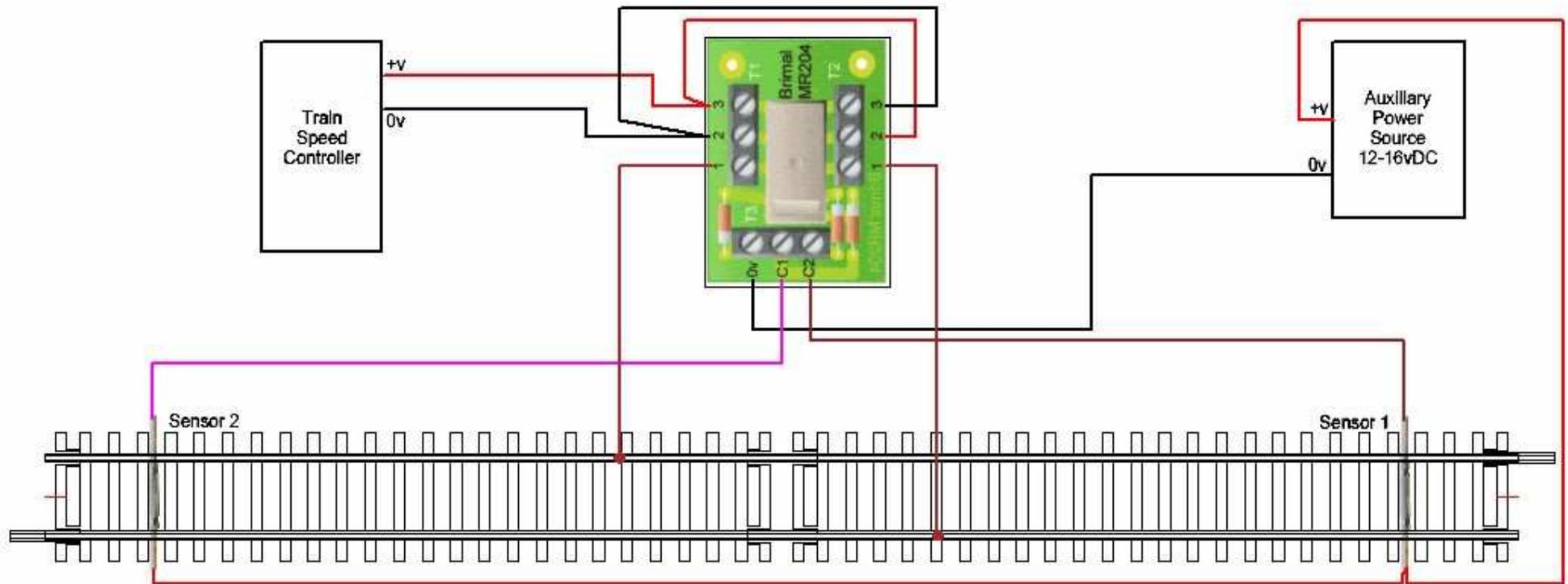


Automatic Forward / Reverse (Shuttle)



In this application the MR204 is used as a Automatic Forward / Reverse (Shuttle) Control. Sensor 1 and Sensor 2 could be placed anywhere on a loop, or even back to back. The train will run from Sensor 2 to Sensor 1, when it passes sensor 1 the circuit will change the polarity of the tracks putting the train in reverse. The train will now travel in reverse until it passes over sensor 2, at which time the MR204 will again change the polarity of the track putting the Train into forward again.

This will continue until power is removed from the system.

By adding a toggle switch to the 0V line from the Auxiliary Power Source you can disable the MR204 so the polarity remains the same.

Please note there is no slow down or slow start up facility in the MR204, so the train will have it's power Reversed at whatever speed you have set the Train Speed Controller.

Connecting power to the rails can be done in a number of ways, most proprietary manufacturers have their own rail connectors, or you can solder wires directly to the underside of the tracks.