

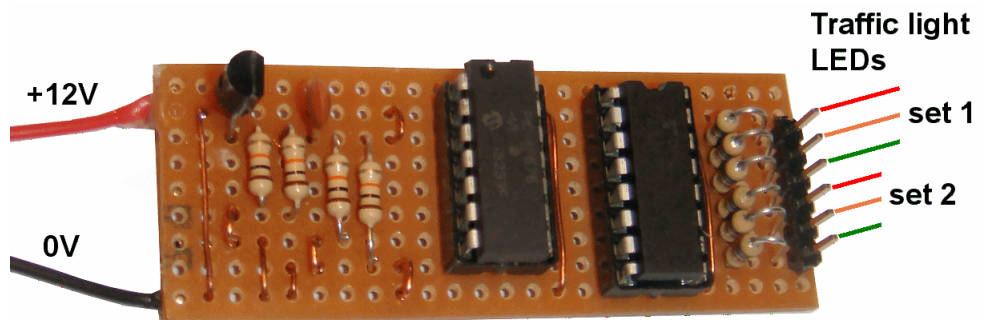
Pocket Money Kit of the Month – August 2019

No 9 – Four way Traffic Lights

This kit simulates UK or Continental traffic lights, producing the correct switching sequence for either.

It can handle four sets of lights for a full junction, or just a single set if required.

You insert or remove links to set the speed at which the lights change.



The eight speeds range from 5 seconds to 180 seconds.

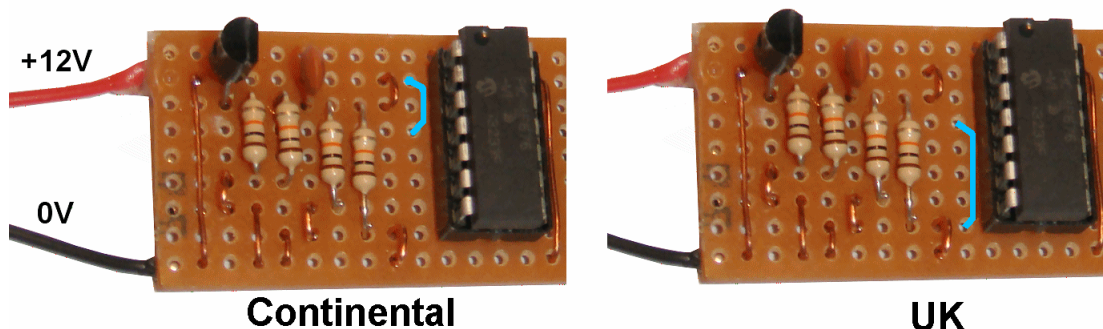
The fastest speed is really to test the module after it is built. Once you know it works, you can use the links to set the speed that best suits you.

The module works from a 12v DC supply.

The timing is carried out by the PIC chip which then controls an driver chip that handles up to 500mA per output pin. This makes the module suitable for single traffic lights up to high current lamps on larger scales.

You can use the 3D printed masts that we sell locally, you can make your own, or you can buy commercial traffic lights. The module can handle both common anode and common cathode working.

You select UK or Continental working by fitting a wire link as shown:



The kit is available at all West of Scotland activities (for £2.75) or can be purchased from the national MERG website as PMP 4.