

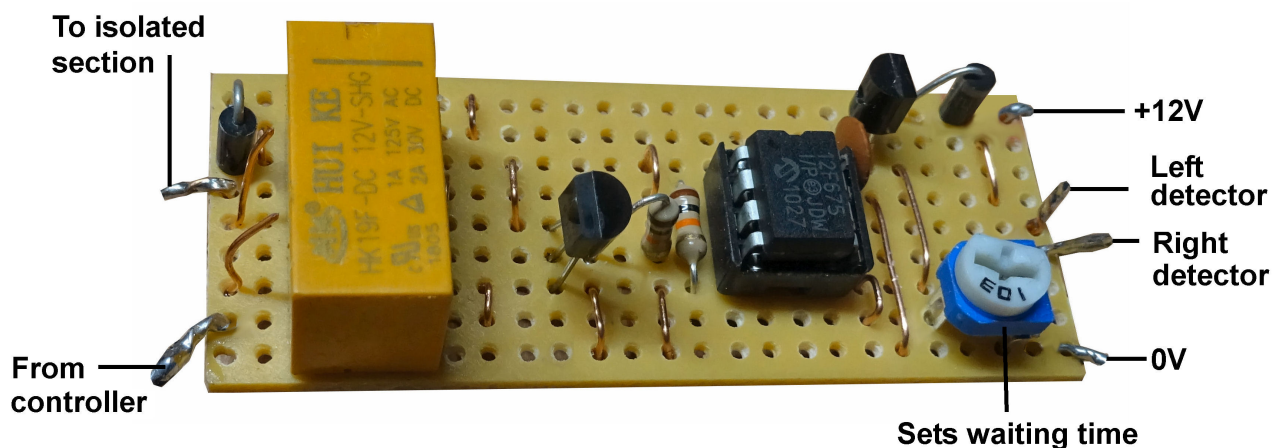
### Pocket Money Kit of the Month – October 2019

#### No 28 – Train AutoStop

With this module, you can make your loco stop on any section of track and wait for a while before moving on again. It works with both DC and DCC layouts and you decide how long the stopping time is.

The section of track where the train will stop is isolated from the rest of the track (i.e. you cut the track at both ends of the section where the train is to stop).

The power to this section is switched off and on by a relay on the module. You use a train detector kit to trigger the AutoStop's relay. This can be a laser detector, a Hector module, a reed switch, etc.



#### Stopping anywhere

The train detector is situated at the isolated section.

When the train triggers the detector, the relay switches off the section's power. After a delay (set by the little blue trimmer resistor) the power to the section is restored.

#### Using with the Shuttle kit (PMP4)

There is an extra detector required when using with a shuttle.

Consider stopping at a station platform. A single detector is not suitable as the train would stop at a different position when moving leftwards compared to rightwards. For a shuttle, therefore, we need to use two detectors, one at each end of the platform.

As the image shows, the module has inputs for both a left and a right detector. To use with a shuttle mode, a link wire as is added to the board.

The module is best suited for use with slow moving trains.

Since the power is cut off and restored abruptly, this will be very noticeable with fast moving trains. With slow moving trains, the effect is much less noticeable.

The module provides an additional output.

This output is normally high but goes low during the period the train is stopped.

This can be used to trigger other modules (e.g. station lights come on, or factory conveyor belt starts up, or water crane rotates round, etc.).

The kit is available at all West of Scotland activities (for £1.50) or can be purchased from the national MERG website as PMP 28.