

Triple function

Pedestrian Crossing Traffic Lights Train Barrier Crossing Signals

THE TCS-TLC MODULE

The most versatile traffic lighting system available...

The unit is specifically designed for the UK (although units for international traffic and train signals can also be supplied), and has three modes of operation:

- Traffic Lights The TCS-TLC-Module will emulate a pair of UK traffic lights which could be wired in quad formation for crossroads.
- Pedestrian Crossing With 'wait' lights and output for a TCSTL Beeper.
- Train Barrier Crossing Flashing red and amber beacons, with optional output for beeper.

The mode is selected with a simple pair of miniature shorting plugs (tags)

The unit can be externally triggered using a switch - this could be a reed (hall-effect), mechanical trip, photo-beam... In fact virtually any switch that has normally open contacts that close the circuit when activated.

The trigger switch causes the unit to run through a sequence, triggering again causes the unit to complete the sequence cycle...

Example.

One set of traffic lights red, the other green when tripped will run through the UK sequence to green and red respectively - trigger again and it sequences back to red and green again.

Using with other TC Systems Controllers:

The unit can be operated using a single output from other TC Systems miniature sequencers and controllers such as the TCS840X series.



TC Miniature Lighting Systems - controllers designed by enthusiasts for enthusiasts...

Specification: TCS-TLC	
Outputs	7
Inputs	2 Power 1 Trigger
Connections	Flying leads
Emulation Modes	Traffic lights Pedestrian crossing with 'wait' lights and output for beeper Train barrier crossing beacons with output for beeper
Mode Switching	Shorting tags
Output Drive	Light Emitting Diodes 5V TCSTL Beeper
Input Supply	5 to 30V DC
Sequence Control	Switch
Fixings	Free
Size	63mm x 17mm x 5mm



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Connections...



You can of course wire each LED to it's respective points on the circuit board if you choose.



For roadworks you only need two sets of lights of course, but you could wire another two sets the same, so that they are in parallel for crossroads.

Railway Barrier Crossing



You can of course wire each LED to it's respective points on the circuit board if you choose.



ONLY ONE SET OF LEDs SHOWN Both sets of lights wired the same You can use a beeper with the railway barrier crossing, but you will need to use the 'pedestrian' link as well as the 'rail' link. Wire the beeper to the beeper connection points

You need two sets of lights, but you wire them the same, in parallel. Note that the blacked out connections are unused.

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You need two sets of lights, but you wire them the same, in parallel. They are wired very similar to standard traffic lights but the left-hand outputs on the TLC connect to the traffic signals, and the right-hand outputs to the pedestrian signals