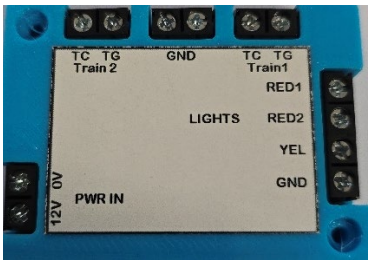
DMG electech
DMG Technical Limited

UK Crossing Module Double Track

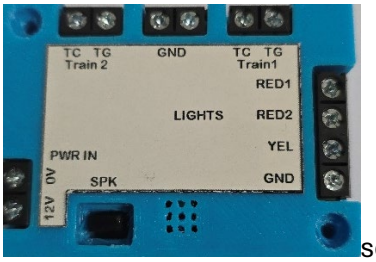
The object of the crossing Module Double Track is to provide simple control of the DMG Electech UK crossing signals for all scales.

The crossing module is supplied as a sealed unit it requires no programming. The inputs and outputs are clearly marked. The double track sound fitted module has a removable link to enable or disable sound.

The unit requires no programming the pre-set sequence is yellow light, both red lights for 1 second and then alternate red lights until stop signal.



Standard

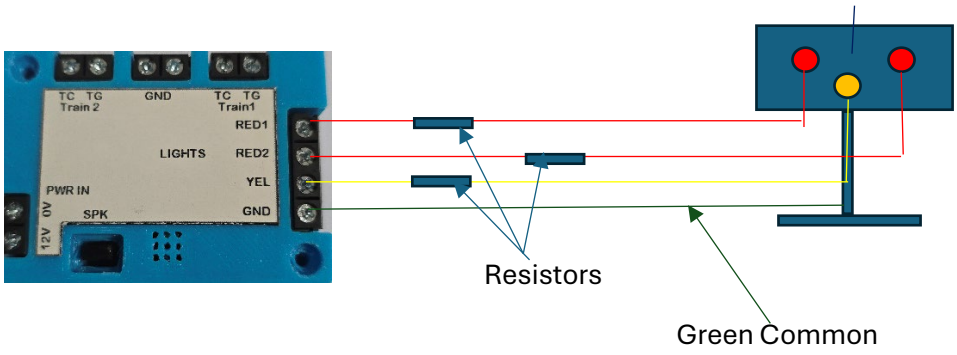


sound fitted

The sound fitted module has the black removable link near the 12v input terminals

The first connections are the lights of the crossing themselves connect the wires from the LEDS Coloured red via the resistors to the terminals red 1 and red 2 one is the left red LED (red1) and one is the right LED (up to 4 crossing lights may be connected to each terminal via resistors in all cases) connect the yellow (or copper colour) wire via resistor to the terminal marked Yel. The green wire connects to the GND terminal

Note 1 resistor can be used for up to 4 lights (e.g. if using 4 crossing signals 4 left red wires can connect to the one resistor and then the single resistor to the terminal).



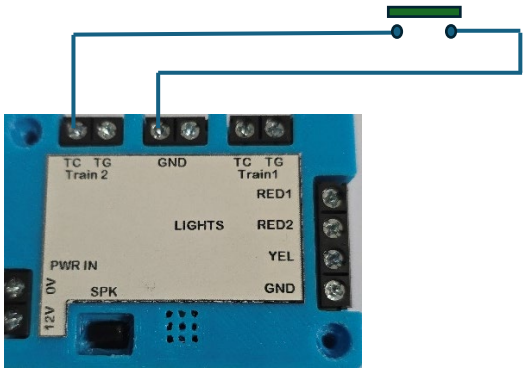
The remaining green wires (common) connect to the GND terminal next to the Led outputs

The resistors are supplied with the Crossing Lights

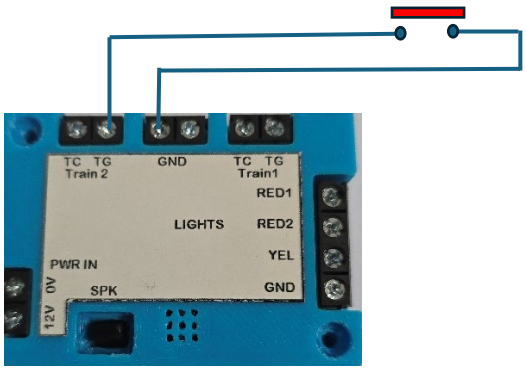
To use magnetic reeds to trigger the module Electech part no SRE4 one per trigger and any of our magnets from Magnets - DMG Electech

Any of our micro switches or any push button switches can be used for trigger switches to use phot cells adapter may be required. (note the start and stop signals are pulse)

Terminals marked 1 & 2 SW are the trigger inputs the trigger can be via micro switch, Push button or reed switch. Note: SW 1 is the start input, and SW 2 is the stop input. Connect one side of the switch to the GND connection and one to the input. As the diagram below shows.



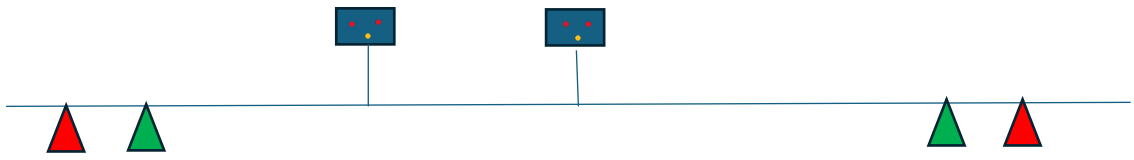
Start switch (trigger) wiring



Stop switch (trigger) wiring

Above is for Train2 (Track 2) repeat the same for Train 1 (Track 1) using the terminals marked Train 1.

If using on or in track switching for Bidirectional operation triggers are needed each side of the crossing. The stop trigger switch should be mounted before the start switch See diagram.



Key: start Trigger Stop trigger

It is recommended the trigger switches at each side of the crossing are 75mm apart

The sound fitted module link can be removed to stop sound if needed or the link can be fitted with our switch miniature connectors and an SMT1 switch, or we can supply the assembly as Part number CRMMSW/DT/1.

Finally connect a 12 v Power supply to the 0v and 12v+ connections

In case of Doubt or for Technical Advice call 02920813136 option 2 Made in the UK.