

Included in this pack is a Red Gaugemaster Toggle topper. This cap sits over the top of the switch for easy identification. Alternative colours are available in the Gaugemaster range and can be interchanged as required.

Also available in the Train-Tech range:

- TTLED14** Pack of 10 Red 3mm LEDs with Resistors
- TTLED15** Pack of 10 Green 3mm LEDs with Resistors
- TTLED16** Pack of 10 White 3mm LEDs with Resistors
- TTLED17** Pack of 10 Yellow 3mm LEDs with Resistors

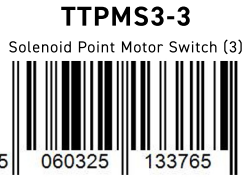
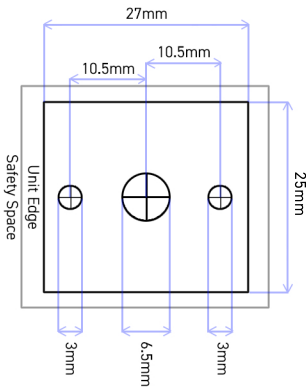
Also available in the Gaugemaster range:

- GM530** Pack of 36 Toggle-toppers - 6 of each colour listed below
- GM531** Pack of 12 Red Toggle-toppers
- GM532** Pack of 12 Black Toggle-toppers
- GM533** Pack of 12 Yellow Toggle-toppers
- GM534** Pack of 12 Green Toggle-toppers
- GM535** Pack of 12 Blue Toggle-toppers
- GM536** Pack of 12 White Toggle-toppers
- GM538** Pack of 12 3mm LED Bezels

TTPMS3-3

Point Motor Switch for Solenoid Motors (3)

- For use with Solenoid Motors
- Screw and Plug connections – no soldering required
- LED indication showing the point status
- Powered from 16v AC or DCC
- Built in Capacitor
- Mounting template included



Additional templates are available to download from the product page on the Gaugemaster website.

 /TrainTechGM
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Train-Tech is a Gaugemaster company. Find all the products online at:

www.gaugemaster.com

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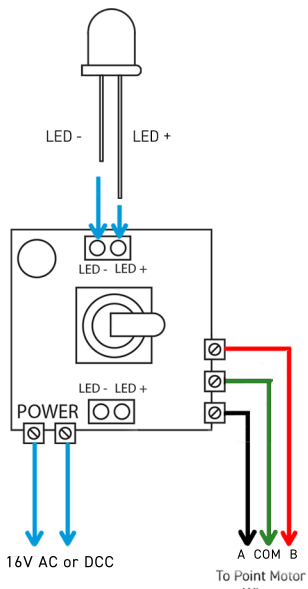
Thank you for purchasing this Train-Tech product. Please read this instruction sheet carefully before use.

WARNING: When making any connection, make sure everything is turned off prior to connection. Failure to do so could damage the unit. This unit is for indoor use only and is only suitable for those aged 14 years and over.

The **TTPMS3** has been developed to lose all the complicated wiring and hassle when making a control panel.

CONNECTING THE UNIT

The **TTPMS3** is a very easy product to wire up. You have 5 terminal blocks on the unit – 2 for power and 3 for the point motor connection. This unit requires a 16v AC or DCC supply which connects into the two terminals marked 'power' on the PCB. These are not polarity dependent so it doesn't matter which way round these go. Connections to your points are again easy, the three wires from your point motor connect to the terminals marked 'A-Com-B' on the PCB, with Com representing the common. If you find that they switch in opposing directions to the LEDs, simply reverse the 'A and B' wires.



CONNECTING THE LEDs

Included with your **TTPMS3** are two pre-fitted green LEDs. These are standard 1.2v 3mm LEDs but if you wish to use other colours, a comprehensive selection are available in the Train-Tech range.

To change the LEDs, gently pull the existing ones out of the sockets and replace them with the colour of your choice. Please note that LEDs are polarity dependent and are required to be inserted the correct way round. The longer leg of our LEDs is positive (+), and the shorter leg is negative (-). The LED legs can be shortened if required, just make a note of the correct polarity prior to reducing the length of the legs.

MOUNTING THE UNIT

The **TTPMS3** has been designed for easy installation into a control panel. Three holes are all that is required for the unit to be mounted. You will need a 3mm and a 6.5mm drill bit for this (not included). You will find a mounting template overleaf, which should help locate the correct position to drill. Cut it out, attach it to where you wish to mount the unit and drill through the appropriate holes.

After drilling the holes, slide the switch through the middle hole and attach the supplied nuts to lock the unit in place. The LEDs should fit snugly into the other two holes. If you wish, you can also purchase LED bezels to really complete the look. These are available separately within the Gaugemaster range. If you do use these, the LED hole diameter will need to be increased to 4.5mm.