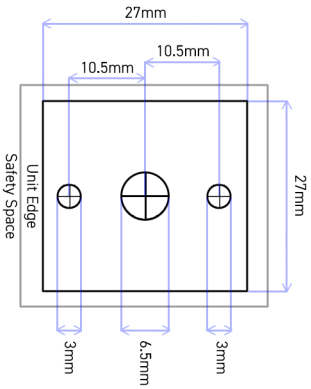
Included in this pack is a Blue Gaugemaster Toggletopper. This cap sits over the top of the switch for easy identification. Alternative colours are available in the Gaugemaster range, and can be interchanged as required.

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 Toggletoppers - 6 of each colour listed below
GM531 Pack of 12 Red Toggletoppers
GM532 Pack of 12 Black Toggletoppers
GM533 Pack of 12 Yellow Toggletoppers
GM534 Pack of 12 Green Toggletoppers
GM535 Pack of 12 Blue Toggletoppers
GM536 Pack of 12 White Toggletoppers
GM539 Pack of 12 3mm LED Bezels



TTPMS2
2 Wire Point Motor Switch

5 060325 133697

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

Train-Tech
Model Technology Made Easy

TTPMS2
Point Motor Switch for 2 Wire Point Motors

- For use with all 2 wire point motors including Kato, Piko (G Scale) and LGB
- Screw and plug connections - no soldering needed
- LED indication showing the point status
- Powered from smoothed 9-16v DC or DCC
- Mounting template included

Contents:

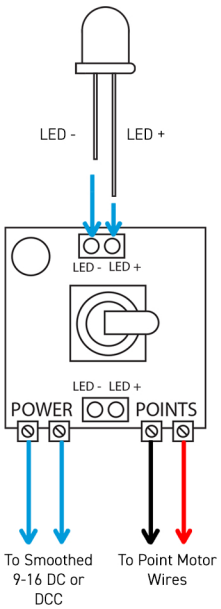
- 1x TTPMS2 Point Motor Switch
- 2x 3mm Green LEDs
- 1x Blue Toggletopper
- 1x Instruction Sheet & Template

/TrainTechGM @gaugemaster @gaugemaster_controls
Train-Tech is a Gaugemaster company. Find all the products online at:
www.gaugemaster.com
Gaugemaster House, Ford Road, West Sussex, BN18 0BN, United Kingdom.
tel - +44 (0) 1903 884321.

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 **TTPMS2** has been developed to allow 2 wire DC point motor users such as those using Kato, Piko (G Scale) or LGB, easy connection and operation alongside instant position indication via the supplied LEDs for use on mimic panels.



CONNECTING THE UNIT

The **TTPMS2** is a very easy product to wire up. You have 4 terminal blocks on the unit - 2 for power and 2 for the point motor connections. The unit requires a Smooth DC or DCC input of between 9-16v. This connects into the two terminals marked 'power'. These are not polarity dependant so it doesn't matter which way round these go.

Connections to your points are again easy. The two wires from your point motor connect to the two terminals marked 'Points' on the **TTPMS2** unit. If you find that they switch in opposing directions to the LEDs, simply reverse these wires.

CONNECTING THE LEDs

Included with your **TTPMS2** are two pre-fitted green LEDs. These are standard 1.2v 3mm LEDs but if you wish 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. Please note that LEDs are polarity dependant and are required to be inserted the correct way round. The longer leg of our LEDs is positive (+), and the shorter 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 **TTPMS2** 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.