

MP4

Advanced motor switch

Double SPDT auxiliary contacts for frog control (<1 amp) or signalling

Removable Screw-terminal connector allows pre-wiring for easy installation and maintenance.

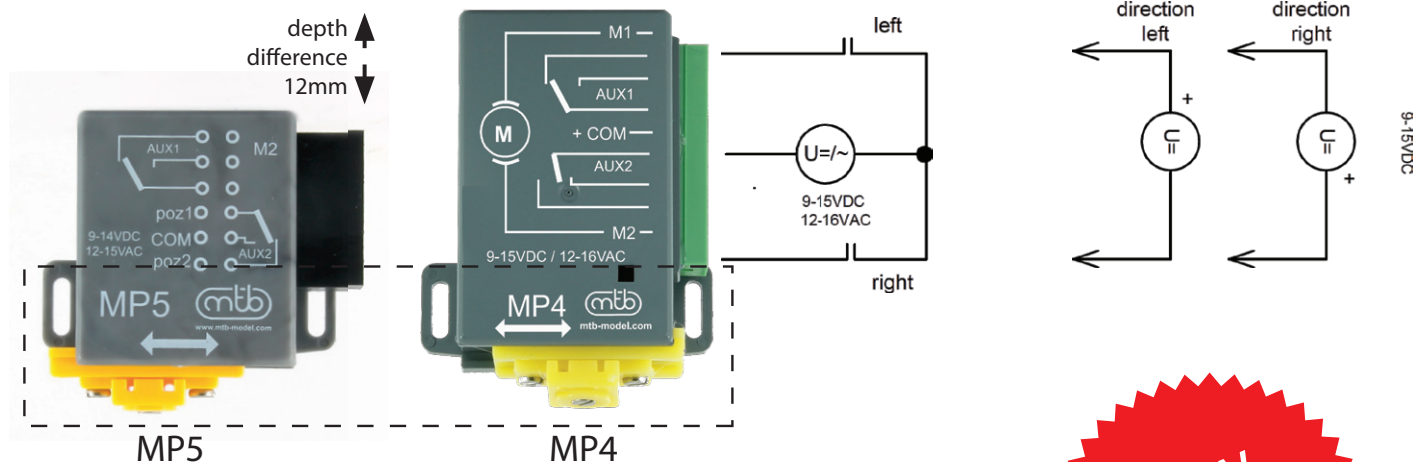
Mounting size, and stroke comparable with MP5, but deeper front-to-back by 12mm

Linear throw can be set to 3 mm, 6 mm (factory), 9 mm and 12mm

Either DC (9-15v) or AC (12-16v) power supplies are suitable, with consumption ~ 150 mA during motion. The mechanism has a built-in end limit switch, which means the control voltage is disconnected with -zero- draw, once the thrown position is reached.



Connection schematics:



New MP4 front profile is identical to MP5, deeper by 12mm



Now available from:



MRCS

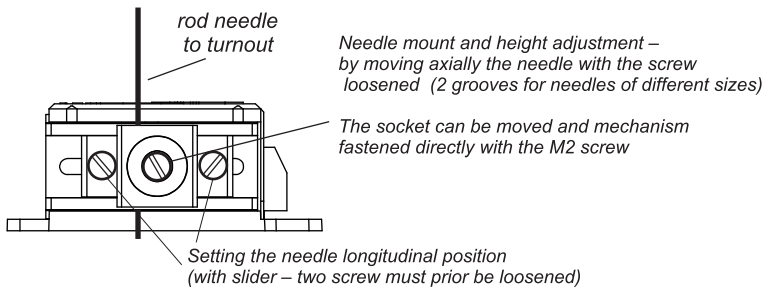
www.modelrailroadcontrolsystems.com

MTB model
Prague
Made in Czech Republic

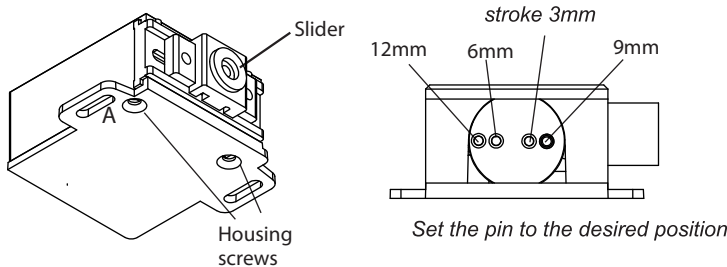
www.mtb-model.com

MP4 model railway motor switch

This turnout motor switch is used for electric operation of the two-position mechanisms such as model railway turnout (switch) points. The travel distance can be set in four steps, 3 mm, 6mm, 9mm, and 12mm, see illustration.



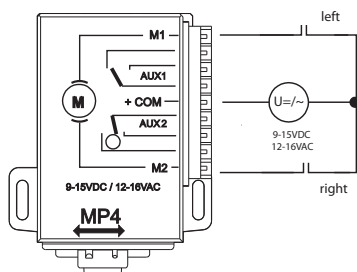
How to change the distance of throw:



STEPS

- A) Unscrew 2 screws on the housing bottom
- B) Remove the slider assembly
- C) Set the pin to a desired position
- D) Reassemble the set and fit the housing. Carefully retighten screws. The switches must be in contact with cams, but beware of plastic parts while retightening. Excessive force might cause damage.

It is possible to use two control modes : 3-wire mode, like electromagnets or 2-wire bipolar, similar to common stall-motor switches, with a current consumption aprox 150 mA during motion. The mechanism has an end of travel limit switch, which means the control voltage is disconnected with zero-current draw, once the thrown position is reached and the motion stops. For accessory and frog control purposes, there are two independent 1-amp switch SPDT contacts.

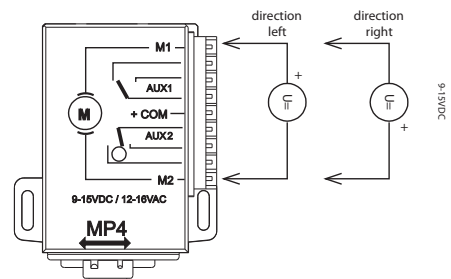


3-wire control mode

In this mode MP10 is powered like an electromagnetic switch. A.C. or D.C. power can be used. Terminals M1 or M2 control direction of movement.

2-wire control mode

Motor switch and its direction can be controlled by changing of polarity of power supply. Only DC voltage can be used 8-16V.



Warranty:

Warranty is applicable to defects in manufacture only. The product is intended for home / hobby use only, not within commercial or industrial applications. Warranty replacement or repairs can be claimed with the manufacturer and/or through a vendor. For contact details visit www.mtb-model.com

Return the product to a electro-waste recycling point at the end of use!

Manufacturer: MTB, Segala group s.r.o. Prague 10, Czech Republic