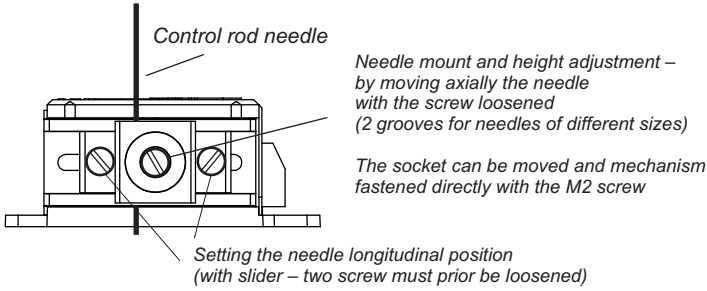


MP5 Advanced model railway motor switch

The motor switch is used for electric operation of the two-position mechanisms in models, such as turnout points or mechanical signals and barriers. The travel distance can be set in four steps, 3 mm, 6mm, 9mm and 12mm see the illustration.

It is possible to use two control modes - 3 wire mode, like electromagnets or two wire bipolar, like common motor switch.

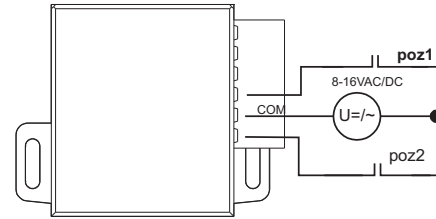
Both d.c. and a.c. power supplies can be used in 3-wire mode, with voltage 8-16V, with a current consumption approx 150 mA during motion. The mechanism has a end of travel detection switch, i.e. the control voltage can be applied permanently, to be disconnected automatically once a respective position 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 MP5 is used in same way like electromagnetic switch. A.C. or D.C. power supply can be used. Terminal POS1 or POS control direction of movement.

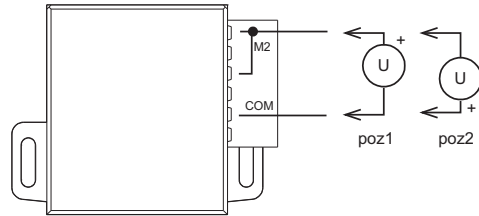
Terminals M2a a M2b must be left disconnected.



2-wire mode

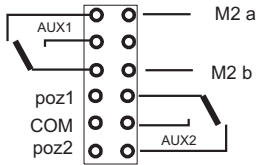
Motor switch and its direction can be controlled by changing of polarity of power supply. Only DC voltage can be used 8-16V.

Terminals M2a a M2b must be connected together.



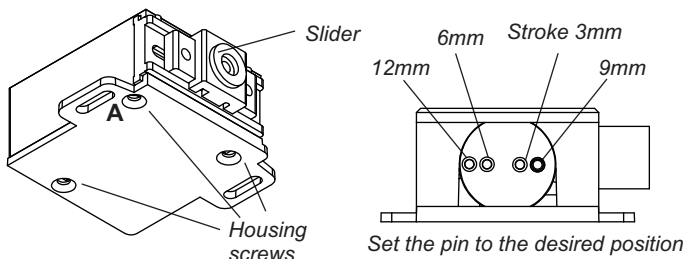
Connector schematics

- AUX1 - auxiliary switch contact 1 SPDT
- AUX2 - auxiliary switch contact 2 SPDT
- COM - common wire for supply
- poz1, poz2 - position terminal for 3-wire connection
- M2a, M2b - position terminal for 2-wire connection, bi-directional



MP5 Advanced model railway motor switch

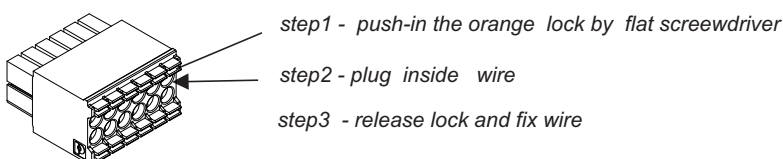
How to change the distance of travel



steps

- A) Unscrew 3 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 get in contact with cams, but beware of plastic parts while retightening. Excessive effort might cause damage to them; try with the screw **A** first.

How to use screw-less connector

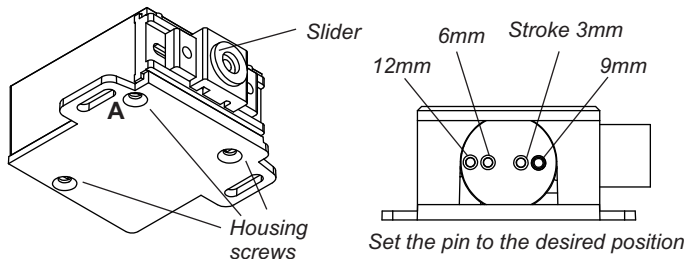


Model repairs

The warranty is applicable to defects in manufacture only. The product is intended for use at your home only in models, not within commercial or industrial applications. Warranty repairs can be claimed with the manufacturer and/or through a vendor. For contact details visit www.mtb-model.com. Return the product to an electro-wastes collecting point at the end of its life! Manufacturer: MTB, Segala group s.r.o. Prague 10 Czech rep.



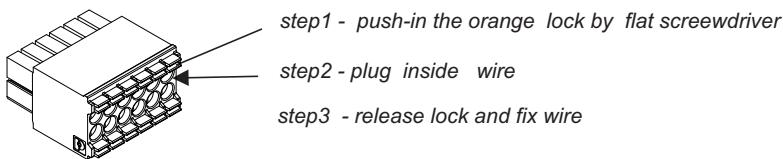
How to change the distance of travel



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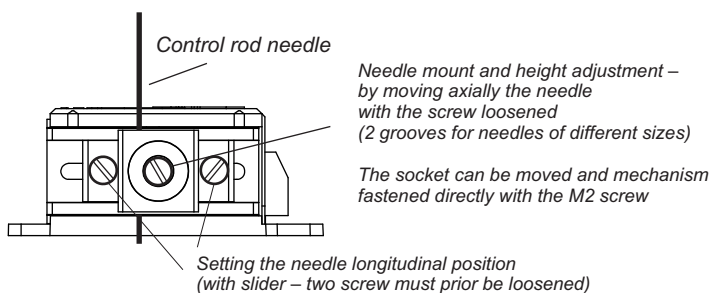
0508131115
MP5_EN v1.0

MP5 Advanced model railway motor switch

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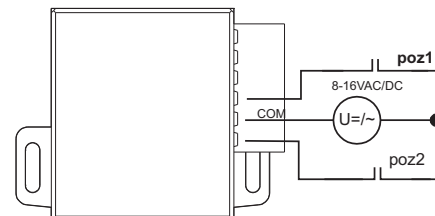
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3-wire control mode

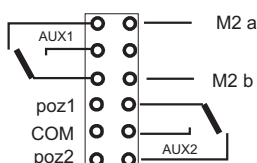
In this mode MP5 is used in the same way like electromagnetic switch. A.C. or D.C. power supply can be used. Terminal POS1 or POS control direction of movement.

Terminals *M2a* and *M2b* must be left disconnected.



Connector schematics

- AUX1 - auxiliary switch contact 1 SPDT
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- COM - common wire for supply
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2-wire mode

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

Terminals *M2a* and *M2b* must be connected together.

