



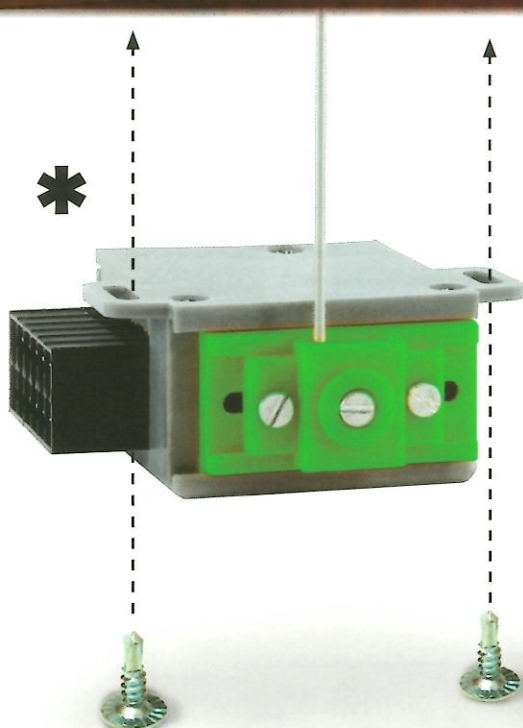
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MP6

COMPACT SWITCH MOTOR WITH MOMENTARY PULSE CONTROL

Switch Motor with quiet and slow linear points motion

Drive – Can motor with planetary gear train

Control using pushbutton pulse, similar to conventional coil-type switch machines

Small size – 30×42 mm (1.2 x 1.7 in width & length)

4 selectable throw lengths – 3, 6, 9, 12 mm

Two sets of SPDT Aux Contacts for power-routing or signal control



Position 1



Position 2

MP6 Compact Switch Motor with Momentary Pulse Control

Unique Motorized Drive with pushbutton pulse control for linear actuation of model mechanisms, switch points, mechanical signals or barriers.

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The MP6 Switch Motor was developed as an alternative to conventional twin-coil switch machines. It functions using two short pulses to control the throw either left or right. Other motor drives often require a continuous control voltage for the duration of the positioning process; The new MP6 only requires a short 40 ms control pulse to start, and it reaches the end position automatically afterwards.

Control may be provided by simple SPST pushbuttons, or by electrical control from the signaling system. The MP6 is not only suitable as a track switch motor, it can be used for animation tasks such as crossing barriers or semaphore signals. The MP6 can also be directly activated by output drivers from many common DCC or layout control systems.

Control of the MP6 may be accomplished using either 12–15 V AC or 9–14 V DC power.

Two additional auxiliary NO contacts 0.1 A (fb+, fb-) are available for signaling the route position, contacts are internally routed to -V polarity. Lit indicators (bulb or LED) may be connected. Alternatively in DC mode the contacts may be used to drive pull-up TTL-level inputs to a layout signaling or computerized control system.

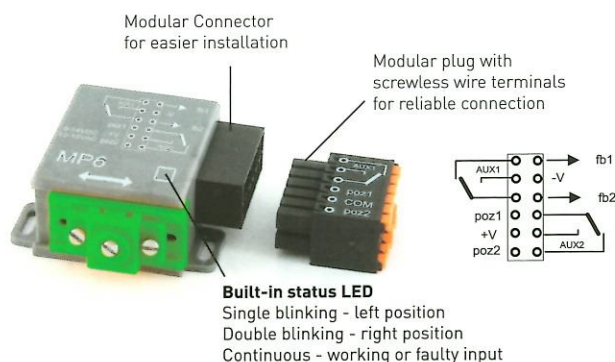
The linear throw can be set at 3, 6, 9 or 12 mm – see drawing. The actuator slide mechanism assures continuous reach from side to side, and positive locking at the end positions.

The MP6 switch motor is equipped with two independent 1 Amp SPDT power-routing contacts, suitable for use with AC or DC power supplies of any polarity, which allow powered frog control for DCC.

A built-in LED provides status and position of the MP6 mechanism (slow-flashing).

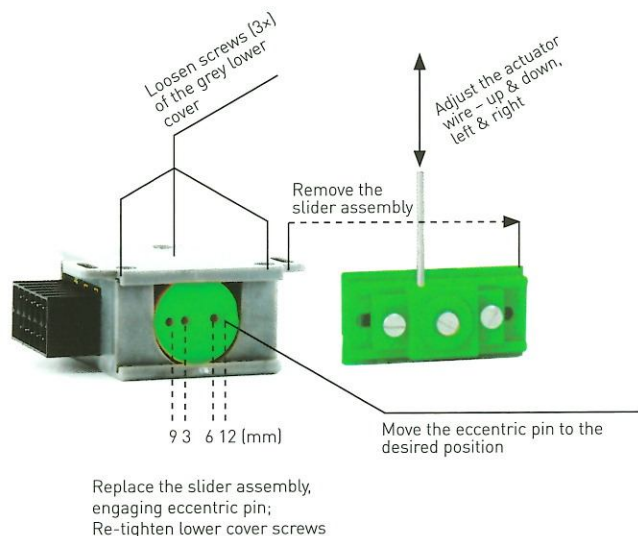
* An advantage of the MP6 is easy mounting - See cover illustration, as well as connectorized wiring.

Wiring Connector

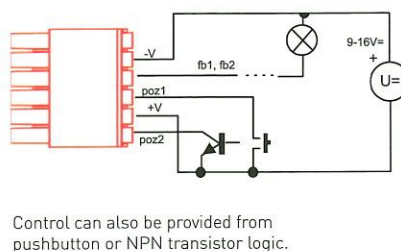
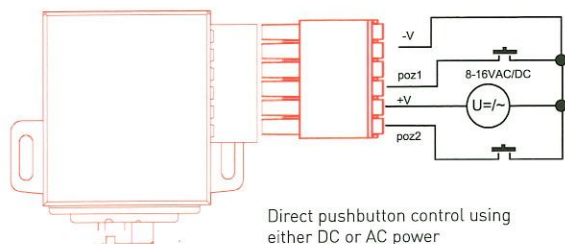


+V	The +V and -V are connected to either AC or DC power and control
-V	
pos1	Control Inputs: Minimum pulse duration 40ms, similar to legacy twin-coil switch machines
pos2	
fb1	Feedback contacts for position indication NO contact 0.5 A, switched to -V
fb2	
aux1	Two SPDT contacts for track/frog power or general signaling. 30v 1A maximum.
aux2	

Changing the throw distance and actuator wire position



Contact scheme



At end-of-life, dispose of product in appropriate electronic Recycling program

0508131115

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Made in Czech Republic

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