

**womix**  
Comfort Controls

**Mixing valve actuator  
MP 10 - 24 (0-10V)**

**red line**



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## Introduction

Thank you for your trust in our company and for purchasing modern and functional actuator MP from WOMIX. This product will serve you for years and have a considerable impact on energy-efficient heating.

## The MP actuator

MP series actuators are compact and solid design. Under the plastic housing are located: transmission with a maximum torque of 10 Nm a synchronous motor, two limit switches. The MP actuator factory is equipped with a 2 meter cable 4 x 0.75.

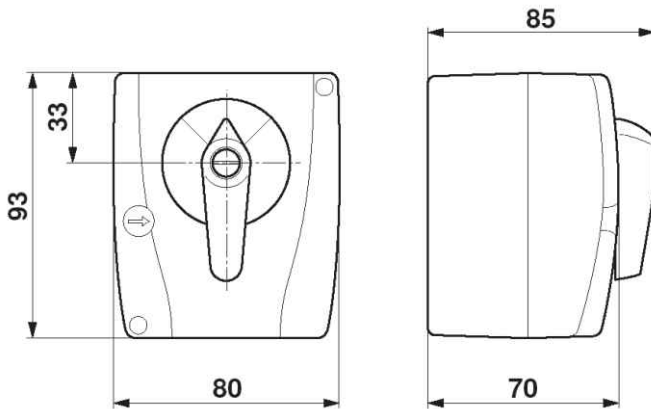
## Installation and use

Assembling the actuator can be made only installer with a valid permission and proper preparation of technical implementation. Absolutely can not be installed by outsiders, who do not have expertise on electric actuators, their working principles and the principles of connecting with automatic installation. Thanks to a universal or special adapters or a different drive shafts of the actuator assembly is practically possible wherever it is needed. Manual override actuator by changing the position of the switch Manual / Automatic and rotation of the handle. The angle of rotation of the actuator is factory set at 90° and can not be changed. Factory engine is equipped with an adapter designed to be mounted on valves from the company WOMIX. The method of mounting the actuator on the valve is presented step by step and is in the bag along with the appropriate adapter. In order to mount valves from other manufacturers we offer special adapters. Mixing valves which are mounted actuator should be before the start of each heating season "move by hand", ie. Check that during downtime central heating, was not blocked heart of the valve. This action can prevent the actuator from damage gear.

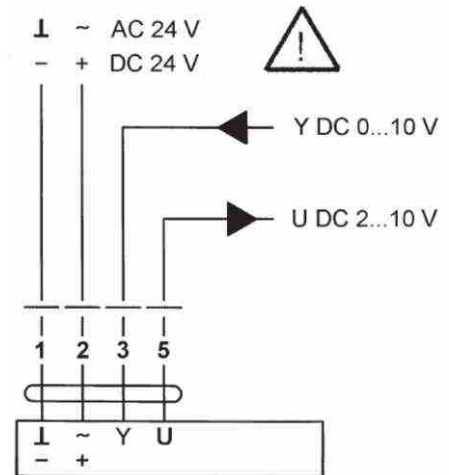
### Technical data:

Nominal voltage:	24 V,+/- 15V, 50/60 Hz
Control voltage:	0 - 10V
Power consumption:	2,5 W; 2,5VA
Wire size :	4 x 0,75mm <sup>2</sup> lenght - 1,5m
Torque:	10 Nm (for nominal voltage)
Angle of rotation:	90°, unregulated
Running time:	140 sekund
Noise level	max. 35 dB (A)
Position indicator	stuck on the handle body
Switch to manual operation	
Protection class:	II
Degree of protection:	IP 40
Operating Temperature:	0 - 50°C
Weight:	400 g

## Dimensions:

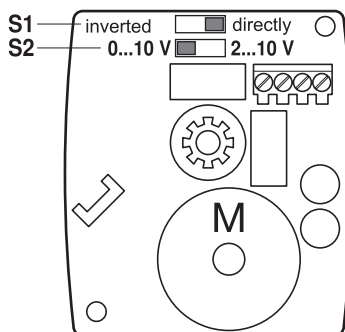


## Connection diagram MP 10:



## Setting switches S1,S2:

Located under the cover switches S1 and S2 are used to determine the rodirection of rotation and operating range/the feedback signal.



\*Basic settings

Switch S1	Direction of rotation	
„Directly” signal		Y = 0%
„Inverted” signal		Y = 0%

Switch S2	Operating range/The feedback signal
2 ... 10 V *	
0 ... 10 V	

## Removing the housing cover

Remove central screw of black handle, a then screw of two