

**Mixing valve actuator**

**MP 10**

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**red line**

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**Mounting and operating instruction**



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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 10 Nm actuator MP 10, a synchronous motor, two limit switches. The MP actuator factory is equipped with a 1.5 meter cable 3 x 0.75.

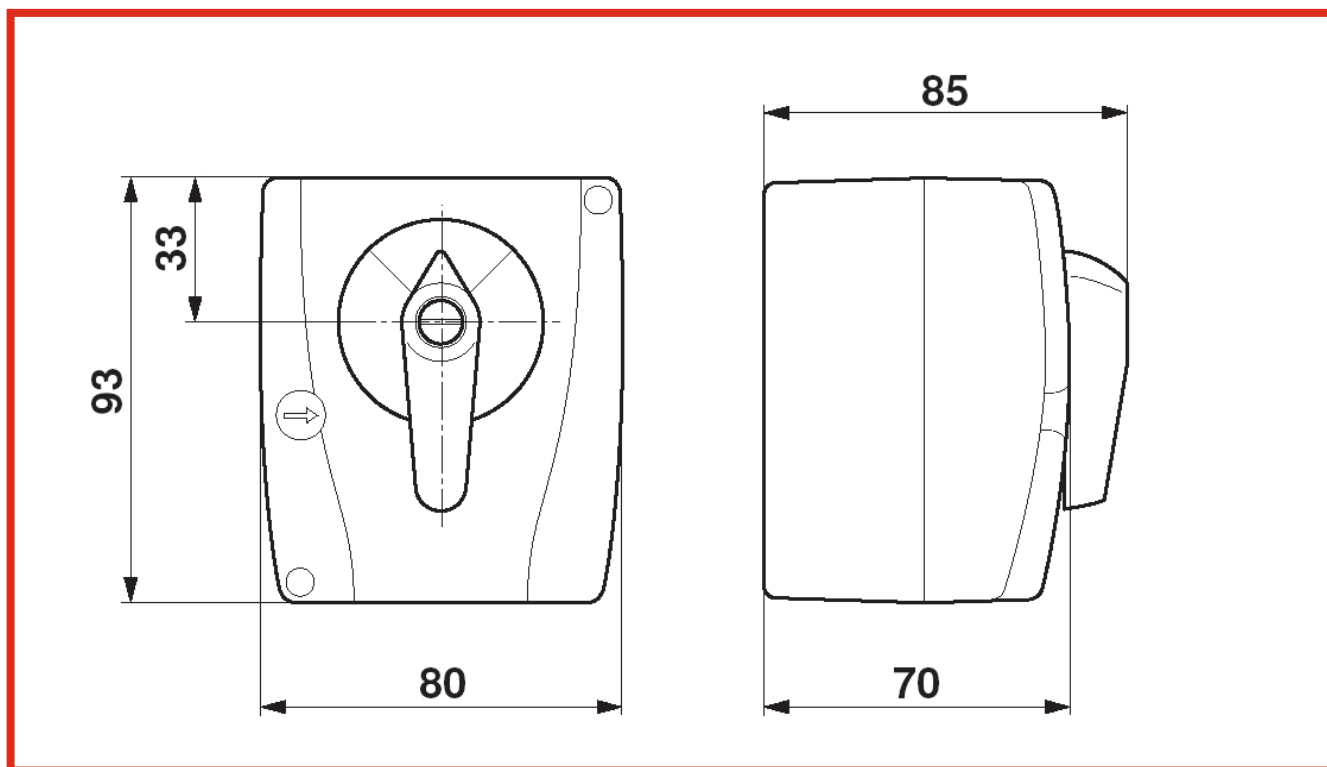
## Installation and use

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.

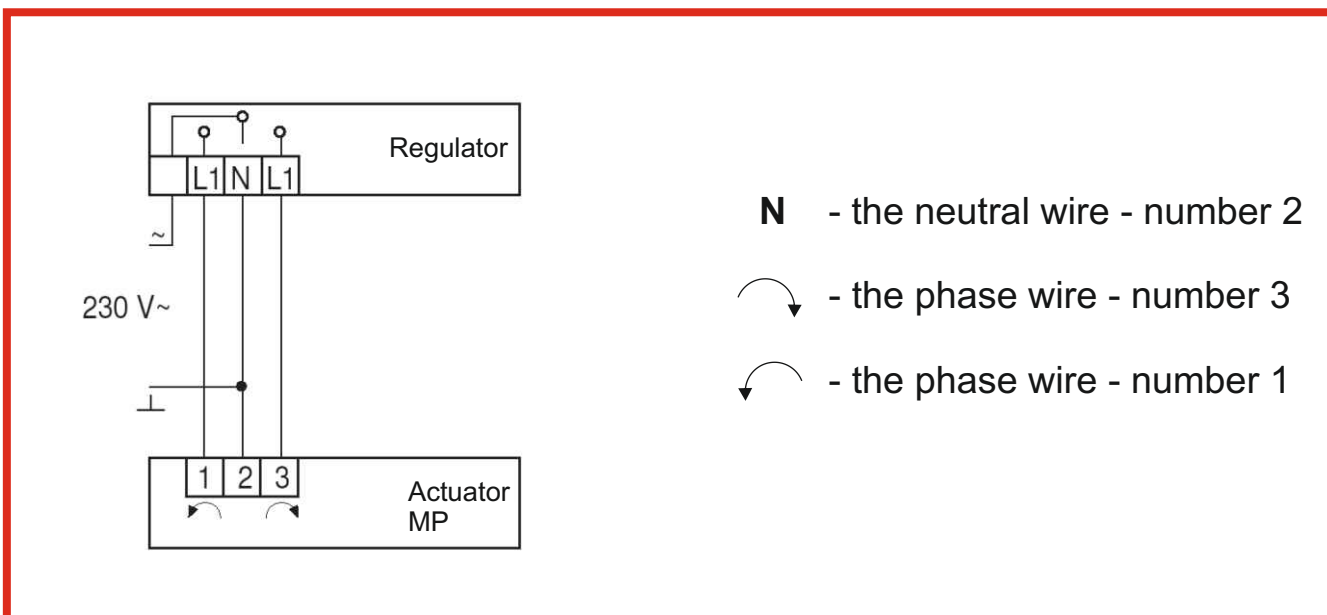
## Technical data:

Nominal voltage:	MP10: 230V, 50/60Hz or 24 V, 50/60Hz, (see actuator model)
Power consumption:	3,5W, 3,5VA
For wire sizing:	wire, 3 x 0,75mm <sup>2</sup> , lenght - 1,5 m
Torque:	<b>MP10 – 10 Nm</b> (for nominal voltage)
Angle of rotation:	90°,unregulated
Running time:	70, 140 seconds for the voltage 230 VAC 140 seconds for the voltage 24 VAC
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 Range:	0 - 50°C
Weight:	350 g

## Dimensions:



## Connection diagram MP 10



Always connect the the neutral wire to terminal N.

Terminal voltage ↻ causes a clockwise rotation of the actuator shaft.

Terminal voltage ↻ causes a counterclockwise rotation of the actuator shaft.

Changes in the direction of rotation can be made by replacing the cables on the terminals.

**WARNING!** Phase and zero can not be exchanged.