



TECHNICAL CATALOGUE

Art. 891MR

Electrothermal actuator

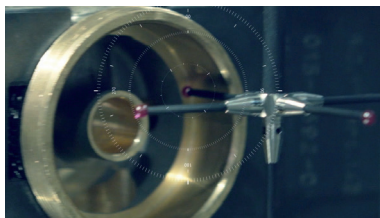
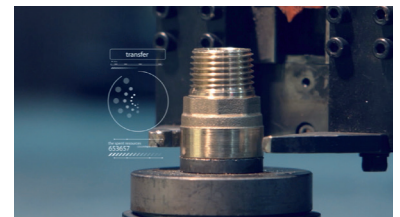
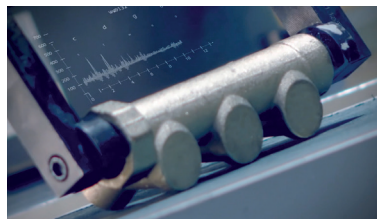
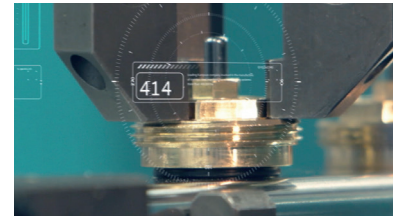
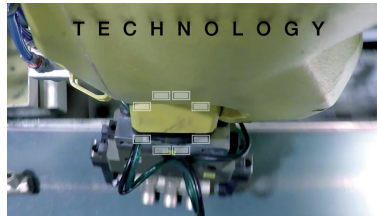


> THE COMPANY

ITAP SpA, founded in Lumezzane (Brescia) in 1972, is currently one of the leading production companies in Italy of **valves, fittings and distribution manifolds** for plumbing and heating systems.

Thanks to fully automated production processes, with 72 tooling machines and 51 assembly lines, we are able to produce 200,000 pieces per day.

Our innate pursuit for innovation and observance of technical regulations is supported by the company certification ISO 9001. The company has always considered its focus on quality as the main tool to obtain significant business results: today ITAP SpA is proud to offer products bearing the approval of numerous international certifying bodies.



> ITAP products have obtained approvals by more than 30 certification bodies from all over the world.





> **GENERAL NOTES:**

Actuator Art.891MR is a thermoelectric valve drive for opening and closing valves on heating circuit distributors of concealed floor heating and cooling systems.

The main field of application is the energy-efficient individual room temperature control in the range of building management systems and home automation.

Actuator Art.891M is controlled by a 230 V room thermostat with two point output.

> **891MR** Electrothermal actuator



SIZE	CODE	PACKING
230-2filii	891M2302NCR	1/100

> **TECHNICAL SPECIFICATIONS:**

Suitable for pre-assembled manifolds
 Thread connection: M30x1,5 mm
 Normally closed, on-off operation
 Power supply voltage: 230V
 Power consumption: 1,2W
 Minimum and maximum working ambient temperature: 0°C, 60°C
 Class of protection: IP54
 Available with 2 cables only
 CE marked

> **FUNCTION**

The actuator mechanism of the actuator uses a PTC resistor-heated wax element and a compression spring. The wax element is heated by applying the operating voltage and moves the integrated ram. The force generated by the movement is transferred on the valve lifter and thus opens and closes the valve.

> **INSTALLATION**

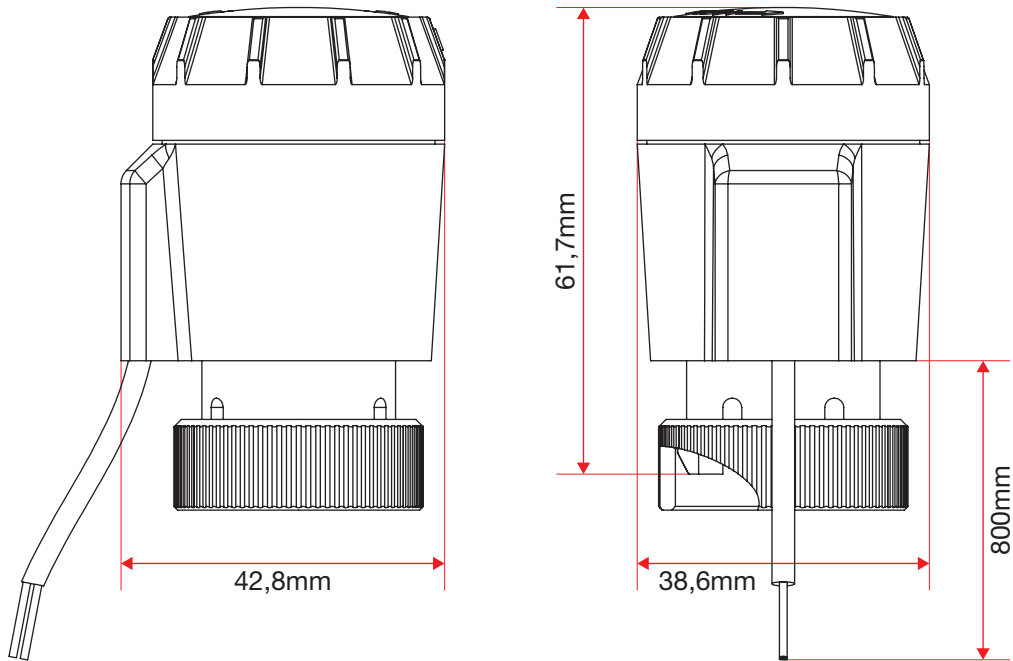
Simply follow these specifications:

1. Remove the plastic handle or cap from our distribution manifold
2. Turn white plastic cap anti-clockwise and put the actuator on "Man. position"
3. Screw actuator's nickel-plated ring on valve's thread (M30x1,5 mm)
4. Turn white plastic cap clockwise and put the actuator on "Auto. position"

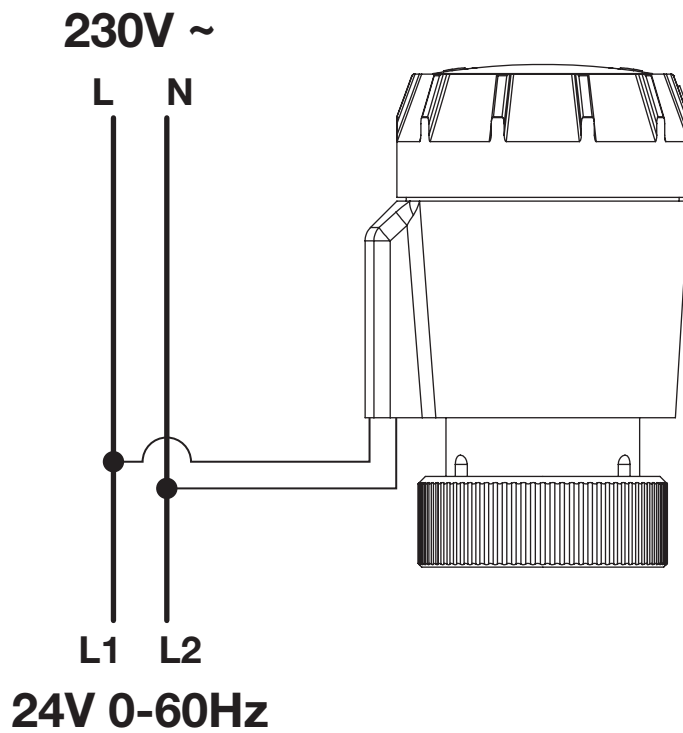
> **INSTALLATION POSITION**



> OVERALL DIMENSIONS



> ELECTRICAL WIRE CONNECTION





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We reserve the right to make improvements and changes to the products described herein and to the relative technical data, at any time and without forewarning.