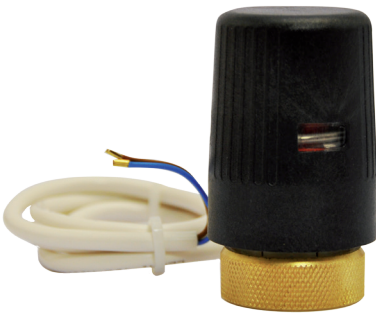


230V OR 24V THERMOELECTRIC ACTUATOR

Closed when power is off (NC)

Overview



Main features

- Control the opening and closing of the hydraulic valves
- You can view the position (open/closed) of the valve

Application

- Underfloor heating/cooling
- Control opening /closing of the water circuit
- Fan coil Unit

Product + points

- **Reliability** thanks to the high quality of its wax element, proved by more than 200. 000 test cycles over 5 years of time. This helps to master:
 - > Reduction of the total stroke
 - > Improvement of the response times
 - > Improvement of the power consumption
- **Practical**: the product has a small footprint
- **Made in France**

Functional specifications

Use

Control window for controlling the valve status, open or closed: as soon as the valve is open a red ring appears in the control window and indicates the valve status

Increased reliability: a metal coupling nut assures a maximum lifetime of your product

Régulation input	ON/OFF
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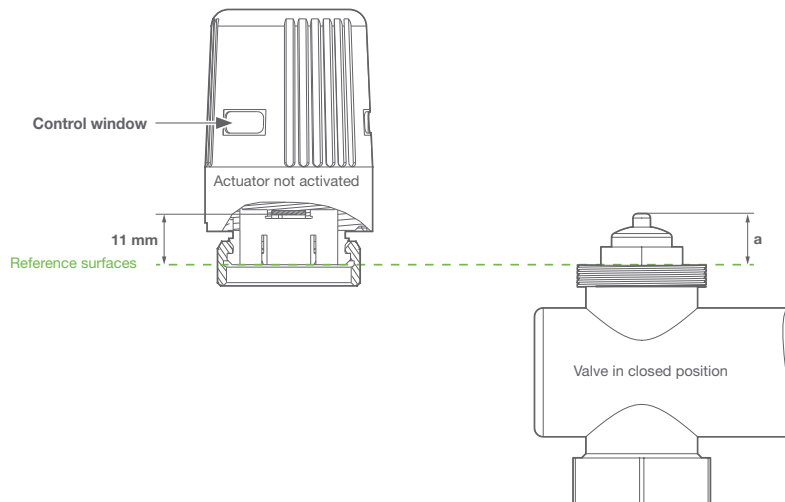
Installation

Easy installation thanks to the knurled coupling nut that assures an excellent grip

No limitation for the installation position, **installation possible in all direction**

A 60 cm-long electrical connection cables helps to overcome electrical connection constraints

Compatibility of the valves	- In order to assure the entire closure and to avoid leaks, the reference dimension of your valve (a) needs to be in the range between 11.5 et 12.5mm
	- The coupling nut for the fixation of your actuators has a standard tapping: M30 x 1.5





Wireless-transmission central control unit for underfloor heating/cooling systems

Sold separately

Technical specifications

Dimensional and finish specifications

Diameter	39 mm
Height	64.7 mm
Thread of the coupling nut	M30 X 1.5
Color	Black RAL 9005
Net weight	120 g
Cable length	60 cm



Power supply

Operating voltage	230V AC (MTB0230A) or 24V AC (MTB0024A)	
Frequency	50Hz to 60Hz	
Connection cables	Class II : brown + blue, 2 x 0,35 mm ²	
Operating power	< 3W	
Inrush current	230V version	24V version
	< 1 A	≈ 270 mA
Operating current	≈ 7 mA	≈ 70 mA

Mechanical specifications

Duration of opening (depending on the ambient temperature)	≈ 3 min. (230V)	≈ 5 min. (24V)
Force of the spring	95 N ±15% for movement of 0.5 mm	
Length of stroke	4,25 mm ±0,75	

Environment

Protection rating	IP44 in accordance with EN60335	
	IP40 in accordance with EN60335	
Class	Class II	
Max. room temperature	45°C / 110°F	
Storage temperature	0°C to +60°C	
Humidity of the air	From 10% to 90% without condensation	

Applicable directives

EMC	2004/108/EC
LVD	2006/95/EC
RoHS	2011/65/EU

Applicable standards

EMC	EN61000-6-1 ; EN61000-6-2 ; EN61000-6-3 ; EN61000-6-4
LVD	EN60730-1 ; EN60730-2-14 ; EN62311
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Codes	References
MTB0230A	Thermoelectric actuator closed when power is off (230V)
MTB0024A	Thermoelectric actuator closed when power is off (24V)

Technical specifications given at an ambient temperature of 20°C.

Product customization (design features) possible. Please contact us.