



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

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|------------------|--------|
| Régulation input | ON/OFF |
|------------------|--------|

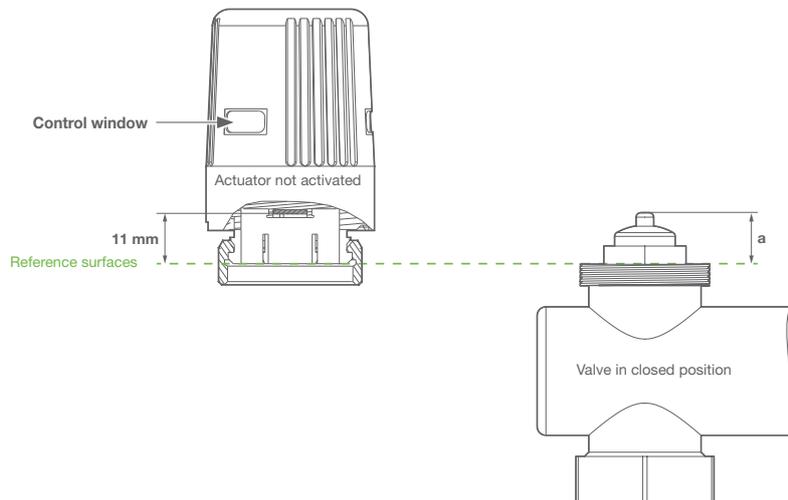
Installation

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

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|------------------------------------|---|
| 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 | 2014/30/EU |
| LVD | 2014/35/EU |
| 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

| | |
|----------|---|
| MTB0230A | Thermoelectric actuator closed when power is off (230V) |
| MTB0024A | Thermoelectric actuator closed when power is off (24V) |

References

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

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