



## Thermostatic actuators TSA 02 FO



### Benefits

- First Open function
- Manual Re-Open function without power applied
- Auto Spin function
- Stroke indicator
- Either as 24 V or as 230 V version
- Slim design (Ø 39 mm)

### Application

For controlling the hot water valves in radiators or AFRISO distribution manifolds such as heating/cooling circuit manifolds ProCalida® MC, EF and VA or industrial manifolds IN. Actuators convert the electrical signal received from room or timer thermostats into a valve stroke to control the set temperature via the flow volume. The actuator is factory-opened (First Open function) so that the stroke vales at the heating circuit manifold remain open during initial commissioning. This facilitates mounting as well as filling and flushing of the system since, at this point in time, the control system is usually not yet operative. The First Open function (FO) is automatically disables (Auto Spin function) as soon as the actuator is electrically connected and fully closed. The FO function can also be disabled manually by turning the upper hand wheel to the left by 90° to set automatic mode at the actuator. For servicing, the factory setting "open" of the actuator can be restored manually via the hand wheel without power having to be applied (Re-Open function). The slim design (housing diameter 39 mm) allows for installation to manifolds with a heating circuit distance of 40 mm.

### Versions

	Part no.
Thermostatic actuator TSA 02 FO AC 230 V, 90 N	79014
Thermostatic actuator TSA 02 FO AC/DC 24 V, 90 N	79015
Thermostatic actuator TSA 02 FO AC 230 V, 110 N	79016
Thermostatic actuator TSA 02 FO AC/DC 24 V, 110 N	79017

Blue part no. = in-stock items

### Description

Electro-thermostatic actuator with First Open and Re-Open functions, position indication, connection cable and union nut for direct connection to the valve or upper part of the valve. Closed when de-energised; available as 24 V or as 230 V version.



## Technical specifications

### Functions

First Open and Re-Open functions (adjustable via hand wheel),  
Auto Spin function

### Operating mode

Closed when de-energised (NC)  
Condition as delivered: Open

### Stroke

> 3.2 mm  
Indication via rod

### Actuating force

90 N or 110 N

### Opening time

5 – 6 min

### Operating temperature range

Ambient: Max. 60 °C

### Supply voltage

AC 230 V or AC/DC  
24 V

Power: 2 W

### Connection

Union nut M30 x 1.5 mm

### Closing dimension

10.8 mm

### Cable length

1 m

### Housing

Plastic

ø x H: 39 x 72 mm

Degree of protection: IP 54 (EN 60529)