

Thermostatic actuator TSA 02 FO



- **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 and EF 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 valves 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 disabled (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.

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 data 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 min

Operating temperature range

Ambient: Max. 60 °C

Supply voltage

AC/DC 24 V or AC 230 V
Power: 2 W

Connection

Union nut: M30 x 1.5 mm
Closing dimension: 10.8 mm
Cable length: 1 m

Housing

Plastic
Degree of protection IP 54 (EN 60529)

Dimensions

H x Ø: 72 x 39 mm



AFRISO offers customer-specific versions of the actuators for many valve upper parts for OEMs. We look forward to your enquiry.

DG: G, PG: 4	Actuating force			Part no.	Price €
TSA 02 FO, AC 230 V	90 N	10	100	79014	
TSA 02 FO, AC/DC 24 V	90 N	10	100	79015	
TSA 02 FO, AC 230 V	110 N	10	100	79016	
TSA 02 FO, AC/DC 24 V	110 N	10	100	79017	

Minimum order quantity for non-stock items = 100 pieces; delivery only in packing units

Blue part no. = in-stock items