Thermal actuators





Application

For setting 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.

TSA-02

Description

Electro-thermal actuator with 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

Operating mode
Closed when de-energised

Stroke
0/3.2 mm
Indication via cams on hood

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: M 30 x 1.5 mm
Closing dimension: 10.8 mm
Cable length: 1 m

Housing
Plastic
Degree of protection IP 54 (EN 60529)

TSA-03

Electro-thermal actuator with position indication, limit switch, connection cable and union nut for direct connection to the valve or upper part of the valve. Closed when de-energised. TSA-03 can be used to switch off the pump via the integrated limit switch when all valves are closed.

Operating mode
Closed when de-energised

Stroke
0/3.2 mm
Indication via cams on hood

Opening time
< 5 min

Operating temperature range
Ambient: Max. 60 °C

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

Switching output
1 voltage-free, normally open contact

Contact rating
AC/DC 24 V, 2/6 A
AC 230 V, 0.1/6 A

Connection
Union nut: M 30 x 1.5 mm
Closing dimension: 10.8 mm
Cable length: 1 m

Housing
Plastic, degree of protection IP 40 (EN 60529)

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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			Part no.	**Price €**
TSA-02, 230 V	1	10	78882	
TSA-02, AC/DC 24 V	1	10	78883	
TSA-03, AC 230 V with limit switch	1	10	78871	
TSA-03, AC/DC 24 V with limit switch	1	10	78872	