

Four-wire thermal actuators

Project Information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	Plastic
Ambient temperature min. [F]	32 °f
Ambient temperature max. [F]	140 °f
Prop 65 label required?	Yes

Product information and application use

The Uponor Thermal Actuator, four-wire (A3023522) is a slow-opening thermal actuator that mounts directly onto the following Uponor radiant manifolds: TruFLOW™ Classic, TruFLOW Jr., Stainless-steel and Engineered Polymer (EP) Heating Manifold. The actuator provides individual loop flow control on a multi-zoned manifold and features an end switch for activation of relay (pump), heat plant or other auxiliary devices.



Part name	Part no.	A [mm]	B [mm]	C [mm]	Weight per UOM [kg/UOM]
EP Heating Manifold Actuator Adapter	A2671300	-	-	-	0.017
Thermal Actuator, four-wire	A3023522	70.5	55.2	39.1	0.145
Spacer Ring VA31H for Thermal Actuators	A2870100	39.27	39.27	24.38	0.017
Spacer Ring VA10 for Thermal Actuators	A2771060	39.62	15.50	39.62	0.0090718582
Spacer Ring VA33 for White Thermal Actuators	A3019900	38.22	38.22	16.76	-

Installation

Install in the upright or horizontal position. During the initial install and after power comes on, turn on thermostats to activate and unlock the actuators. This may take in excess of six (6) minutes. Refer to the Uponor Radiant Floor Heating Installation Handbook for more information.

Related applications

Radiant Heating and Cooling Systems
 Permafrost Protection Systems
 Turf Conditioning Systems

Notes

Operating voltage (VAC): +20%/-10%
 Start current: <300 mA for 2 mins. (max.)
 Working current/power: 1W
 Actuating force: 100 N ±5%
 Cable length: 36" (91.5 cm)
 End Switch 3 amps resistive, 1 amp inducti

Footnotes

Contact information

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