

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 [Inch]	B [Inch]	C [Inch]	Current draw max. [A]	Operating voltage AC [VAC]	Weight per UOM [lbs/UOM]
EP Heating Manifold Actuator Adapter	A2671300	-	-	-	-	-	0.04
Spacer Ring VA10 for Thermal Actuators	A2771060	1.56	0.67	1.56	-	-	0.02
Spacer Ring VA31H for Thermal Actuators	A2870100	1.546	1.546	0.96	-	-	0.04
Spacer Ring VA33 for White Thermal Actuators	A3019900	1.505	1.505	0.66	-	-	-
Thermal Actuator, four-wire	A3023522	2.74	2.201	1.74	0.041	24	0.32

Part name	Part no.	Codes	Standards	Listings
Four-wire thermal actuators	All	-	-	-

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 inductive

Footnotes

Contact information

-	<p>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</p>	<p>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</p>
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