

## Thermal Actuator, four-wire

Submittal Information

Revision A: Oct. 15, 2014

### Project Information

Job Name:

Location:

Part No. Ordered:

Engineer:

Date Submitted:

Contractor:

Submitted By:

Manufacturer's Representative:

Approved By:

### Technical Data

Voltage:	24VAC, +20% -10%
Start current:	<300 mA for 2 mins. (max.)
Working current/power:	1W
End switch:	24VAC, 0.5 A
Switching current for micro switch:	24VAC, 3 A resistive load, 1 A inductive load
Ambient temperature:	32°F to 140°F (0°C to 60°C)
Storage temperature:	-13°F to 140°F (-25°C to 60°C)
Fluid temperature:	32°F to 212°F (0°C to 100°C)
Actuating force:	100 N ±5%
Housing material:	Polyamide light gray (RAL 7035)
Cable length:	36" (91.5 cm)



### 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.

✓	Description	Part Number	Height	Width	Depth	Weight
	Thermal Actuator, four-wire	A3023522	2.5"	1.75"	2.0"	0.32 lbs.

### 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.

### Accessories

A2671300: EP Heating Manifold Actuator Adapter; A2771060: Spacer Ring VA10 for Stainless-steel Manifold; A2870100: Spacer Ring VA31H for TruFLOW Jr. and TruFLOW Classic Manifolds

### Standards

N/A

### Codes

N/A

### Listings

N/A

### Related Applications

Radiant Heating and Cooling Systems  
Snow and Ice Melting Systems  
Permafrost Protection Systems  
Turf Conditioning Systems

### Contact Information

Uponor, Inc.  
5925 148th Street West  
Apple Valley, MN 55124 USA  
Phone: 800.321.4739  
Fax: 952.891.2008  
www.uponorpro.com

Uponor Ltd.  
2000 Argentia Rd., Plaza 1, Ste. 200  
Mississauga, ON L5N 1W1 CANADA  
Phone: 888.994.7726  
Fax: 800.638.9517  
www.uponorpro.com