

# Four-wire thermal actuators

## Project information

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

## 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. | Material group | A [inch] | B [inch] | C [inch] | Current draw max. [A] | Operating voltage AC [VAC] | Ambient temperature min. [F] | Ambient temperature max. [F] | Prop 65 label required? | Weight per UOM [lbs/UOM] |
|--|----------|----------------|----------|----------|----------|-----------------------|----------------------------|------------------------------|------------------------------|-------------------------|--------------------------|
| EP Heating Manifold Actuator Adapter         | A2671300 | Plastic        | -        | -        | -        | -                     | -                          | -                            | -                            | -                       | 0.04                     |
| Thermal Actuator, four-wire                  | A3023522 | -              | -        | -        | -        | -                     | -                          | -                            | -                            | -                       | -                        |
| Spacer Ring VA31H for Thermal Actuators      | A2870100 | -              | 1.546    | 1.546    | 0.96     | -                     | -                          | -                            | -                            | -                       | 0.04                     |
| Spacer Ring VA10 for Thermal Actuators       | A2771060 | Plastic        | 1.56     | 0.61     | 1.56     | -                     | -                          | -                            | -                            | -                       | 0.02                     |
| Spacer Ring VA33 for White Thermal Actuators | A3019900 | -              | 1.505    | 1.505    | 0.66     | -                     | -                          | -                            | -                            | -                       | -                        |

## 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

## Footnotes

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## Contact information

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