

# Warmup S3 Actuator



## Low energy consumption

With only 1W of energy consumption the S3 actuator is one of the most energy efficient on the market

## Reliable zone control

S3 actuators are fully protected from standard overvoltage with its IP54 rating also guarantees protection from water in assembly scenarios

## Easy assembly

The actuator easily screws onto the manifold and is supplied 'latched open' for easy mounting and commissioning

## 360° indicator

Disc on the top of the actuator indicates its current status; valve open or valve closed

## Overview

S3 actuators are used in combination with the Warmup S3 Manifolds to control the circuit valves. While operational, the actuator consumes less than 1W of power, making it the most efficient actuator in its class.

The actuators are supplied 'latched open' so they can be easily mounted and commissioned. In this condition the indicator disc is only marginally raised, with no blue indicator visible.

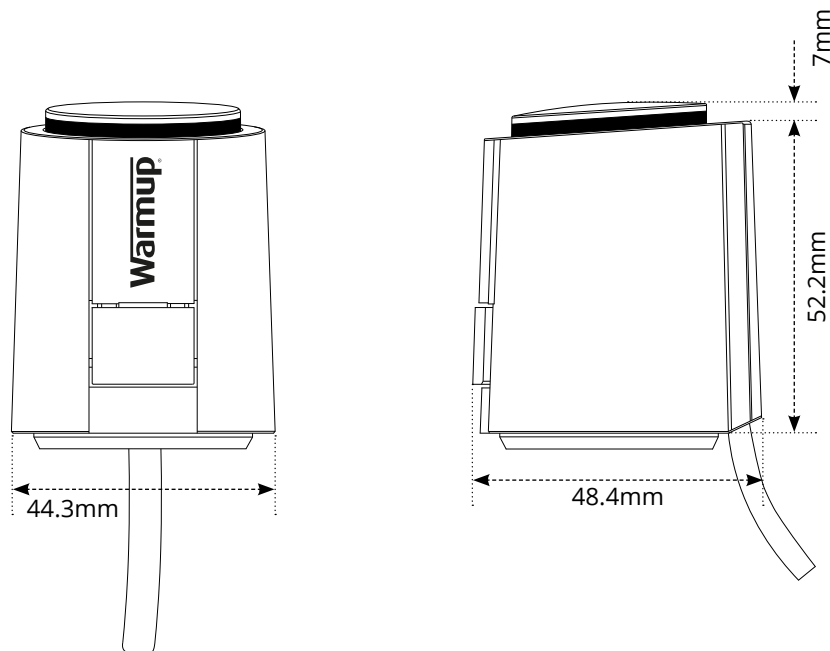
Upon completing their first full power cycle the actuator then operates in a normally closed manner, open the valve when power is supplied based on heating demand

The disc on the top of the actuator indicates its current status; Raised (Blue) = valve open, Lowered = valve closed.

# Technical specifications

| S3 Actuators             | 230V Actuator                        | 24V Actuator                         |
|--------------------------|--------------------------------------|--------------------------------------|
| Product code             | WHS-M-S3-ACT230                      | WHS-M-S3-ACT24V                      |
| Operating voltage        | 230 V AC, ±10%, 50/60 Hz             | 24 V AC/DC, +20%/-10%                |
| Degree of protection     | II                                   | III                                  |
| Power                    | 1W                                   | 1W                                   |
| Degree of protection     | IP54                                 | IP54                                 |
| Max. inrush current      | < 550 mA during 100 ms max.          | < 300 mA during max. 2 min.          |
| De-energised state       | Normally closed                      | Normally closed                      |
| Closing / opening time   | ~ 3.5 min                            | ~ 3.5 min                            |
| Stroke (actuator travel) | 4 mm                                 | 4 mm                                 |
| Actuating force          | 100 N +10 %                          | 100 N +10 %                          |
| Fluid temperature        | 0 to +100°C                          | 0 to +100°C                          |
| Storage temperature      | -25°C to +60°C                       | -25°C to +60°C                       |
| Surge protection         | 5.5kV                                | 1 kV                                 |
| Housing material         | Polyamide                            | Polyamide                            |
| Cable length             | PVC H03VV – 2 x 0.75 mm <sup>2</sup> | PVC H03VV – 2 x 0.75 mm <sup>2</sup> |
| Warranty                 | 2 years                              | 2 years                              |

## Dimensions



## Contact

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