

COMPACT THUMBWHEEL THERMOSTAT STO 011 / STS 011



www.stego-usa.com > Products > Regulating > Regulators > STO 011 / STS 011 | Heating / Cooling, Thumbwheel

- Adjustable thumbwheel setting
- Compact design
- Small hysteresis
- High switching capacity
- DIN rail mountable

The ST 011 thermostat is an SPST regulator with small hysteresis. The housing design ensures optimized air circulation around the sensor element.

Thermostat NC (normally closed): Thermostat opens on temperature rise (**red** thumbwheel) - for regulating heaters or for switching signal devices when temperature has fallen below the minimum value.

Thermostat NO (normally open): Thermostat closes on temperature rise (**blue** thumbwheel) - for regulating filter fans, heat exchangers, cooling devices or for switching signal devices when temperature limit has been exceeded.

TECHNICAL DATA

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|--|--|
| Switching difference | 7 °F (4 K) ± 5.4 °F (3 K) tolerance |
| Sensor element | thermostatic bimetal |
| Contact type | snap-action contact |
| Service life | > 100,000 cycles |
| Max. switching capacity | 15 A resistive / 2 A inductive @ AC 120 V 10 A resistive / 2 A inductive @ AC 250 V DC 30 W (DC 24-72 V) |
| Max. inrush current | AC 16 A for 10 sec. |
| Connection | 2-pole terminal, clamping torque 1 Nm max.: solid/stranded ¹ wire - AWG 14 max. (2.5 mm ²) |
| Housing | plastic, UL 94V-0, light grey |
| Mounting | clip for 35 mm DIN rail, EN 60715 |
| Mounting position | variable |
| Operating / Storage temperature | -49 to +176 °F (-45 to +80 °C) |
| Operating / Storage humidity | max. 90 %RH (non-condensing) |
| Dimensions | 2.76 x 1.3 x 1.65" (70 x 33 x 42 mm) |
| Weight | approx. 1.8 oz. (50 g) |
| Protection type | IP20 |
| Approvals | UL File No. E164102, VDE, EAC |

¹ When connecting with stranded wires, wire end ferrules must be used.

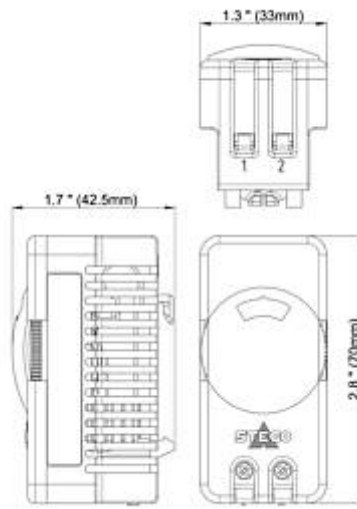
Important note: The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.



Convenient minimum setpoint symbol on the NC thermostat to assure enclosure temperature remains above freezing.

| Part No. (NC) | Part No. (NO) | Setting range |
|----------------------|----------------------|----------------------|
| 01115.9-00 | 01116.9-00 | +32 to +140 °F |
| 01115.0-00 | 01116.0-00 | 0 to +60 °C |

DIMENSIONED DRAWING



Small Compact Thermostat ST 011

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