

Thermal Edge Inc.™ STS 011 | STO 011

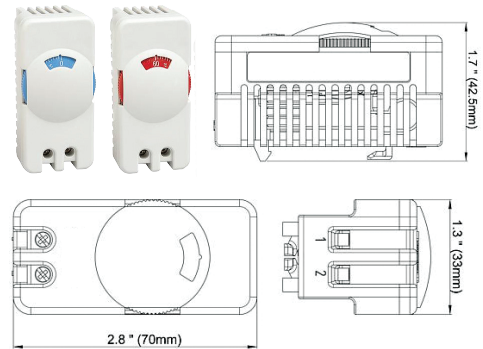
THERMOSTATS | COMPACT THUMBWHEEL THERMOSTAT

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

STS 011 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.

STO 011 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.

Switch 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 verified
Connection	2-pole terminal, clamping torque 1 Nm max.: solid/stranded* 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	-45 to +80 °C (-49 to +176 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type/Protection class	IP20
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
Overvoltage Category/Altitude	II: up to 5,000 m; III: up to 2,000 m
Approvals	UL File No. E164102 / VDE / EAC



Dimensioned Drawings.

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



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

*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.

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