

Small, compact Thermostat STO 011 / STS 011

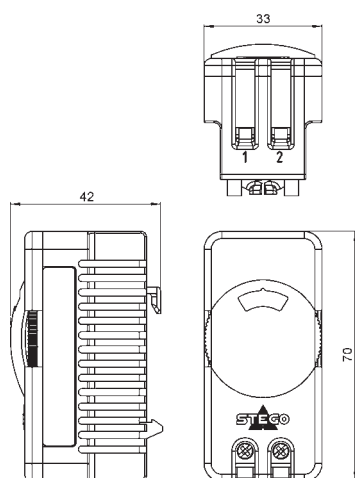


- Thumbwheel setting dial
- Small hysteresis
- High switching capacity
- Anti frost assurance
- Optimized housing for better air flow

The mechanical thermostat is a two state regulator with small hysteresis. The setting wheel has an anti frost assurance. The housing ensures an optimized air circulation around the bimetal.

STO 011: Thermostat (normally closed); contact breaker for regulating heaters.

STS 011: Thermostat (normally open); contact maker for regulating of filter fans and heat exchangers or for switching signal devised when temperature limit has been exceeded.



Technical Data

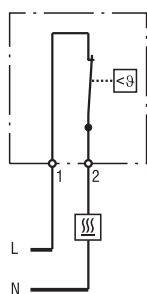
Switch temperature difference	4K (±3K tolerance)
Sensor element	thermostatic bimetal
Contact type	snap-action contact
Service life	> 100,000 cycles
Max. switching capacity	250VAC, 10 (2) A
	120VAC, 15 (2) A
	30WDC at 24VDC to 72VDC
Max. inrush current	16A for 10 sec.
Connection	2-pole terminal for 2.5mm ² (AWG13), torque 1Nm max.
Mounting	clip for 35mm DIN rail, EN60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	70 x 33 x 42mm
Weight	approx. 50g
Fitting position	variable
Operating / Storage temperature	-45 to +80°C (-49 to +176°F)
Operating / Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

Anti frost assurance

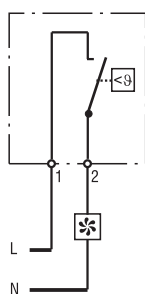


The anti frost assurance is a symbol on the setting scale of the NC thermostat (STO 011) at 11°C. This setting assures closing of the switching contact before 0°C.

Thermostat
STO 011 (NC)



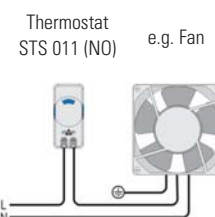
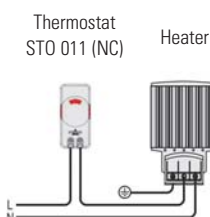
Thermostat
STS 011 (NO)



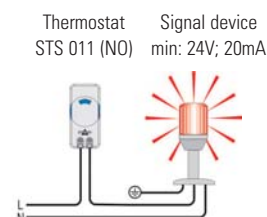
Example of connection



Heater
Filter fan,
Cooling equipment,
Signal device



Example of connection



Setting range	Art. No. Contact Breaker (NC)	Art. No. Contact Maker (NO)	Approvals
0 to +60°C	01115.0-00	01116.0-00	VDE + UL submitted
+32 to 140°F	01115.9-00	01116.9-00	VDE + UL submitted