TAMPER-PROOF THERMOSTAT (NC)

FTO 011 | 01160.0-05



The NC thermostat opens when the temperature rises and is used to control heaters or to switch signal transmitters when the temperature undershoots. The temperature is permanently set. This gives you a high switching accuracy.

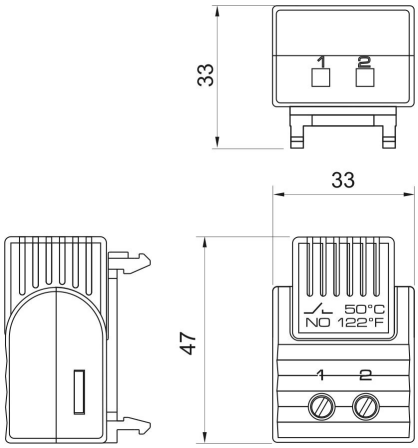
- Small dimensions
- Fixed temperature setting
- High switching accuracy
- Clip mounting

OVERVIEW TECHNICAL DATA

Device type	Thermostats
Setting range	firm
Contact type	Snap-action contact
Sensor	Thermostatic bimetal
Protection type	IP20
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC;DC
Inrush current	16 A
Inrush current duration	10 s
Switching capacity	AC 250 V: 5 (1.6) A; AC 120 V: 10 (2) A; DC 24-72 V: 30 W
Switching current ohmic	5 A
Switching current 2 ohmic	10 A
Reference voltage ohmic	250 VAC
Reference voltage 2 ohmic	120 VAC
Switching current inductive	1,6 A
Switching current 2 inductive	2 A
Reference voltage inductive maximum	250 VAC
Reference voltage 2	120 VAC
Switching current dc ohmic	1 A
Reference voltage dc ohmic	30 VDC
Minimal switching capacity	0,48 W
Reference voltage	24 V
Switching current	20 mA

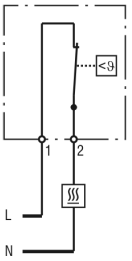
Service life	>100000 cycles
Switch-off temperature	10 °C
Switch-off temperature tolerance	± 5 K
Switch-on temperature	0 °C
Switch-on temperature tolerance	± 5 K
Operating temperature	-40 °C - 80 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-45 °C - 80 °C
Torque	0,8 Nm max.
Connection	2-pole clamp: Rigid wire/stranded wire 2.5 mm² (AWG 14)
Design	Normally closed (NC)
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	47 mm
Width	33 mm
Depth	33 mm
Weight	30 g
Note	Other switch-on/switch-off temperatures on request. Wire end ferrules must be used for connections with stranded wires. Switching of resistive load (switching of inductive load).

TECHNICAL DRAWINGS



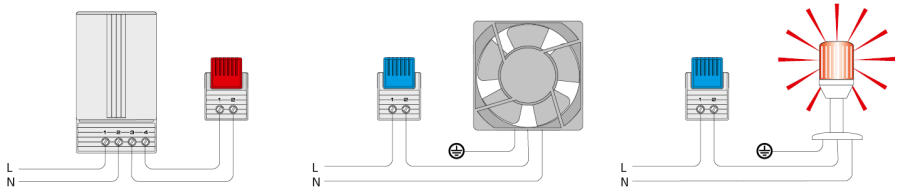
Thermostat
FTO 111 (NC)

Connection diagram



Heater

Filter fan, cooling equipment, signal device



Connection examples