ELECTRONIC THERMOSTAT

ET 011 | 01190.0-00



Electronic thermostat for controlling electrical DC 24 V devices with high power. Heaters, cooling devices or signal transmitters can be switched via the potential-free changeover contact. In contrast to mechanical thermostats, the ET 011 is characterised by a low hysteresis (= switching temperature differential). This ensures more precise temperature control.

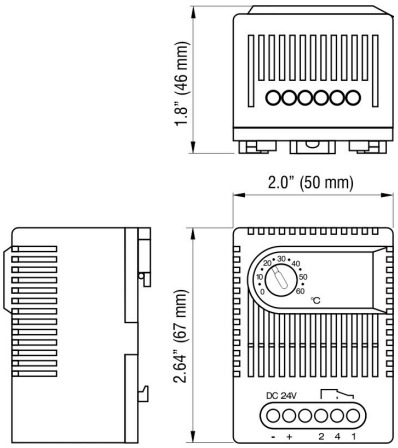
- High DC switching capacity
- Small hysteresis
- Adjustable temperature
- Changeover contact
- Clip mounting

OVERVIEW TECHNICAL DATA

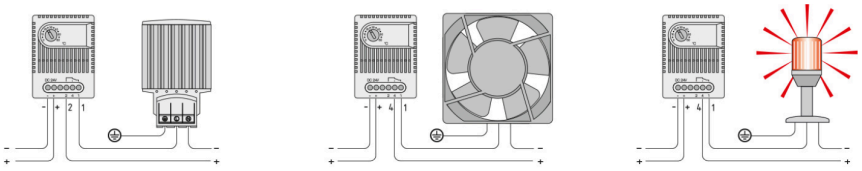
Device type	Thermostats; DC applications
Setting range	0 °C - 60 °C
Sensor	PTC
Protection type	IP20
Casing	Plastic to UL94 V-0, light grey
AC/DC	DC
Operating voltage	24 V
Inrush current	16 A
Power consumption	1 W
Switching capacity	16 A (28 V)
Switching current ohmic	16 A
Reference voltage ohmic	28 VDC
Switching current inductive	2,6 A
Reference voltage inductive maximum	28 VDC
Service life	>100000 cycles
Switching differential	3 K
Switching differential tolerance	± 1 K
Operating temperature	-40 °C - 60 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-45 °C - 80 °C
Torque	0,5 Nm max.
Connection	5-pole clamp: Rigid wire cable 2.5 mm² (AWG 14) Stranded wire1 1.5 mm² (AWG 16)

Design	Changer
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	67 mm
Width	50 mm
Depth	46 mm
Weight	80 g

TECHNICAL DRAWINGS



Connection diagram



Connection examples

