ELECTRONIC THERMOSTAT

ETR 011 | 01131.9-00



Electronic thermostat for controlling heating, cooling devices, filter fans or signal transmitters. Detects the ambient temperature and switches via the output relays with changeover contact. If, for example, a heating system is in operation, the integrated LED lights up.

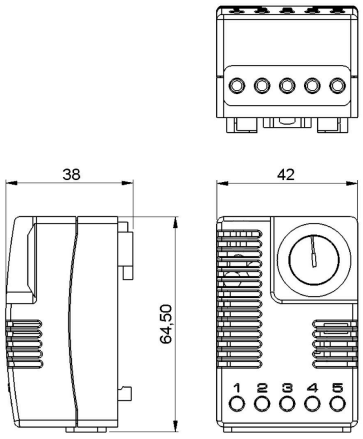
- Large setting range
- Small hysteresis enables precise control
- Visual status display (LED)
- Changeover contact (heating or cooling)
- Clip mounting

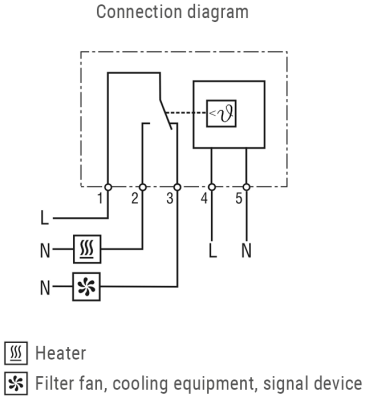
OVERVIEW TECHNICAL DATA

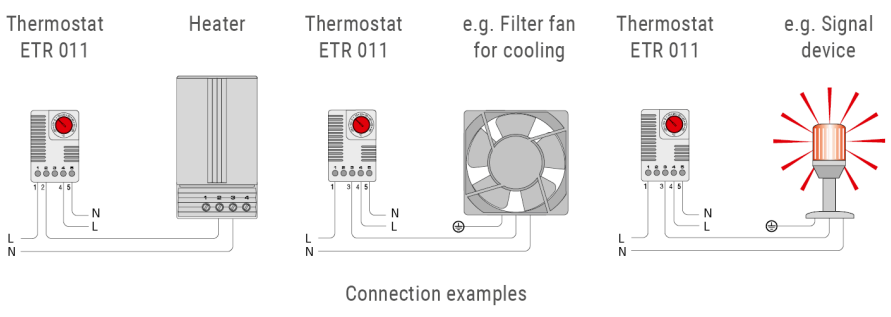
Device type	Thermostats
Setting range	-4 °F - 140 °F
Contact type	Relay
Sensor	NTC
Protection type	IP20
Operating display	LED
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC
Operating voltage	120 V
Inrush current	16 A
Inrush current duration	10 s
Power consumption	1 W
Switching capacity	8 (1.6) A (AC) ; 100 W (DC)
Switching current ohmic	8 A
Reference voltage ohmic	240 VAC
Reference voltage 2 ohmic	120 VAC
Switching current inductive	1,6 A
Reference voltage inductive maximum	240 VAC
Reference voltage 2	120 VAC
Switching current dc ohmic	
Reference voltage dc ohmic	24 VDC
Minimal switching capacity	0,3 W
Reference voltage	5 V
Switching current	5 mA
Reaction time	5 s

Service life	>50000 cycles
Switching differential	4 K
Switching differential tolerance	± 1 K
Operating temperature	-40 °C - 85 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 85 °C
Torque	0,5 Nm max.
Connection	5-pole clamp: rigid wire/stranded wire with wire end ferrule 2.5 mm² (AWG 14)
Design	Changer
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	64,5 mm
Width	42 mm
Depth	38 mm
Weight	70 g
Note	Wire end ferrules must be used for connections with stranded wires. Switching resistive load (switching inductive load).

TECHNICAL DRAWINGS







Connection examples