

ELECTRONIC THERMOSTAT

ETR 011



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

Contact type	Relay
Sensor	NTC
Protection type	IP20
Operating display	LED
Casing	Plastic to UL94 V-0, light gray
AC/DC	AC
Inrush current	16 A
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
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
Connection	5-pole clamp: rigid wire/stranded wire with wire end ferrule 2.5 mm² (AWG 14)
Design	Change-over contact
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).

PRODUCT VARIANTS

Article number	Setting range	Operating voltage	Inrush current duration	Switching current dc ohmic	Torque
01131.9-00	-4 °F - 140 °F	120 V	10 s		0,5 Nm max.
01131.0-00	-20 °C - 60 °C	230 V		4,2 A	

TECHNICAL DRAWINGS

