

ELECTRONIC THERMOSTAT

ETL 011



- > Large setting range
- > Compact design
- > Small hysteresis

- > Optical function display
- > Signal application

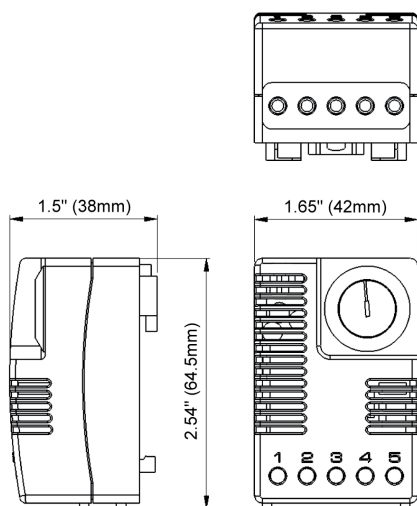
The electronic thermostat is used for controlling heating and cooling equipment, filter fans or signal devices through the Relay SM 010 or a similar device. The thermostat registers the surrounding air temperature and can switch a signal current via an internal relay with a potential free change-over contact. The LED integrated in the adjustment knob shows the closed status of the contact 1-2. When the temperature rises contact 1-2 opens and the LED turns off. In currentless state (no supply voltage) contact 1-2 opens.



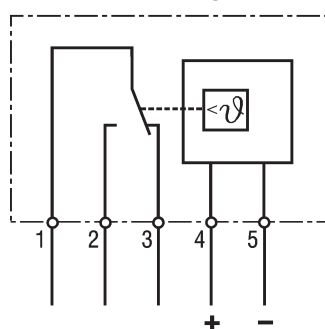
TECHNICAL DATA

Switching difference	7 °F (4 K) ± 1.8 °F (1 K) tolerance at +68 °F (+20 °C)
Sensor element	NTC
Reaction time	approx. 5 sec.
Contact type	SPDT / change-over
Service life	>100,000 cycles (at 10 mW)
Max. switching capacity (relay output)	0.5 A at DC 48 V
Min. switching load	DC 10 mW (at 0.1 V, 100 mA or 1 mA, 10 V)
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5 Nm max.: solid/stranded ¹ wire - AWG 14 max. (2.5 mm ²)
Housing	plastic, UL 94V-0, light grey
Mounting	clip for 35 mm DIN rail, EN 60715
Mounting position	vertical
Operating / Storage temperature	-40 to +185 °F (-40 to +85 °C)
Operating / Storage humidity	max. 95 %RH (non-condensing)
Dimensions	2.54 x 1.65 x 1.5" (64.5 x 42 x 38 mm)
Weight	approx. 2 oz. (60 g)
Protection type	IP20

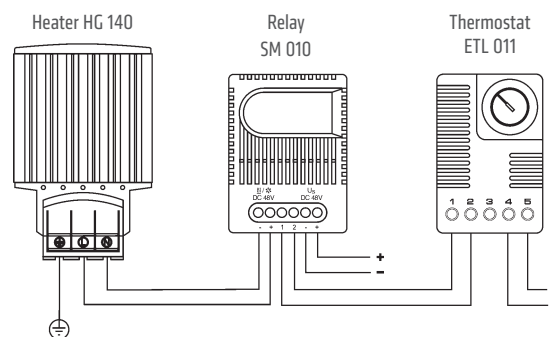
¹ When connecting with stranded wires, wire end ferrules must be used.



Connection diagram



Wiring example



Part No.	Operating voltage	Setting range	Approvals
01131.2-00	DC 12-48 V (min. DC 10 V, max. DC 60 V)	-20 to +60 °C	UL File no. E164102, VDE submitted
01131.2-01	DC 12-48 V (min. DC 10 V, max. DC 60 V)	-4 to +140 °F	UL File no. E164102, VDE submitted