

Electronic Thermostat - ETL011

- Large setting range
- Compact design
- Small hysteresis
- Optical function display
- Signal application

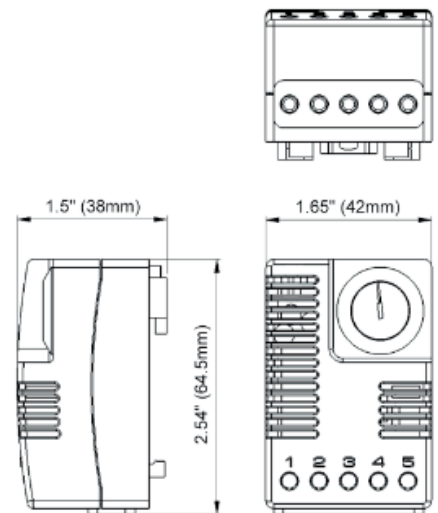
The electronic thermostat is used for controlling heating and cooling equipment, filter fans or signal devices through the relay SM 010 or a similar device. The thermostat senses the surrounding air temperature and can switch a signal current via an internal relay with a potential free change-over contact. 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	4K +/-1K tolerance at 20°C
Sensor element	NTC
Reaction time	Approx. 5 sec.
Contact type	SPDT / change-over
Service life	>100,000 cycles (at 10m ²)
Max switching capacity	0.5A at DC 48V
Min switching load	DC 10 mW (at 0.1V, 100mA or 1 mA, 10V)
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5Nm max: solid/stranded ¹ wire - AWG 14 max. (2.5mm ²)
Housing	plastic, UL 94V=, light grey
Mounting	clip for 35mm DIN rail, EN 60715
Mounting position	vertical
Operating/storage temperature	-40 to +85°C
Operating/storage	max 95% RH (non-condensing)
Setting range	-4 to +140°F or -20 to +60°C
Dimensions	64.5x42x38mm
Weight	approx. 60g
Protection class/protection type	IP20
Approvals	UL File No.: E164102, VDE submitted

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



Wiring examples:

