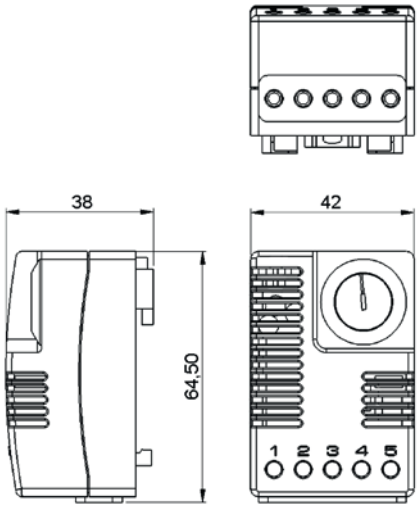
ELECTRONIC THERMOSTAT

ETL 011 | 12 to 48VDC

- > Large setting range
- > Small hysteresis
- > Optical operating display (LED)
- > Change-over contact
- > Signal application

The electronic thermostat registers the surrounding air temperature and can switch a signal current via its internal relay with a potential-free change-over contact. Signal-processing devices can be controlled directly with the ETL 011. In order to control heating and cooling equipment, filter fans and signal devices the switch module SM 010 or a similar device is needed. The LED integrated in the adjustment knob shows the closed status of the contact 1-2. When temperature is rising contact 1-2 opens and the LED turns off. In currentless state (no supply voltage) contact 1-2 opens.

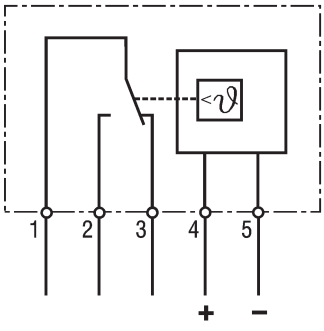


TECHNICAL DATA

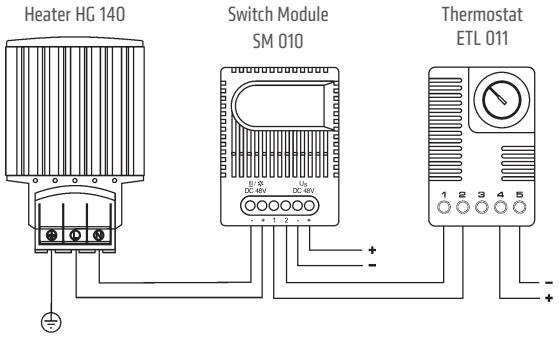
Switch temperature difference	4K (± 1K tolerance) at +20°C (+68°F)
Sensor element	NTC
Reaction time	approx. 5 sec.
Contact type	change-over contact (relay)
Service life	>100.000 cycles (at 10mW)
Max. switching current (relay output)	DC 0.5A at 48VDC
Min. switching capacity	DC 10mW (at 0.1V, 100mA or 1mA, 10V)
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5Nm max.: rigid wire/stranded wire[1] 2.5mm² (AWG 14)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	64.5 x 42 x 38mm
Weight	approx. 70g
Fitting position	vertical
Operating/Storage temperature	-40 to +85°C (-40 to +185°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

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

Connection diagram



Example of connection



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