



## ELECTRONIC THERMOSTAT ETL 011

ETL

01131.2-00

ETL 011 Thermostat, -20°C...+60°C, change over, 12-48V dc

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

### PRODUCT DESCRIPTION

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

#### GENERAL DATA

<b>Control range temperature from</b>	-20 °C
<b>Control range temperature to</b>	60 °C
<b>Tolerance switch off</b>	±1,5K
<b>Tolerance for switch on</b>	±1,5K
<b>Hysteresis temperature</b>	4K (±1,5K ) @ +20°C (+68°F)
<b>Detection</b>	NTC
<b>Contact type</b>	Changeover (SPDT)
<b>Colour</b>	Light grey

#### RATED OPERATING CONDITIONS

<b>Voltage max</b>	60 V dc
<b>Voltage min</b>	10 V dc
<b>Breaking capacity</b>	DC 0,5 A @ 48 V DC
<b>Operational temperature</b>	-40°C ... +85°C
<b>Storage temperature</b>	-40°C ... +85°C
<b>Breaking capacity min</b>	DC 10 mW
<b>Life span</b>	> 100,000 cycles
<b>Operating humidity</b>	< 90% RH
<b>Humidity storage</b>	<90% RH

## DIMENSIONS

<b>Height</b>	64,5 mm
<b>Width</b>	42 mm
<b>Depth</b>	38 mm
<b>Weight</b>	0,07 kg
<b>Material plastic housing</b>	Plastic
<b>Material of body</b>	Plastic
<b>Tightening torque max</b>	0,5 Nm

## SAFETY & APPROVALS

<b>IP class</b>	IP20
<b>Approvals</b>	CE, cULus, EAC, RoHS, UL, UL E164102, VDE
<b>Flammability class</b>	UL94-V0

