



- Adjustable temperature
- High switching capacity
- Small hysteresis
- Terminals easily accessible
- Clip fixing
- Change-over contact

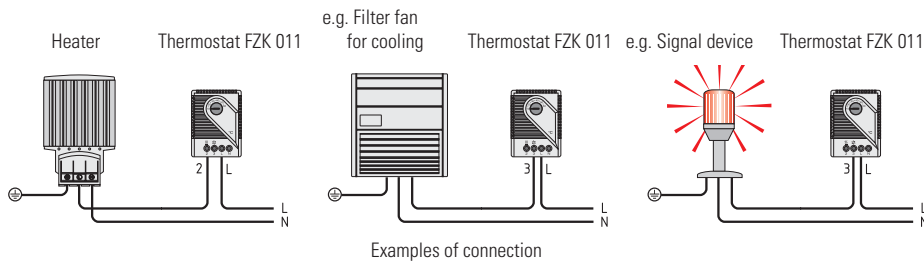
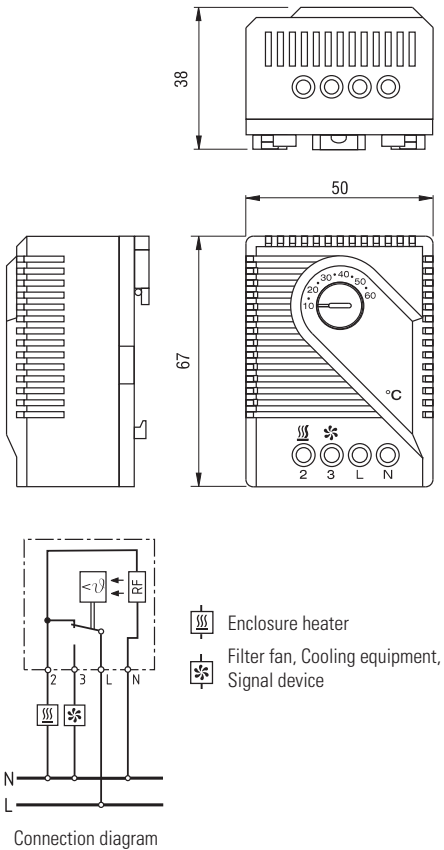
The mechanical thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact. Functionality: The temperature setting on the scale equals to the upper switch point, which means that the Normally Closed contact opens. The temperature setting minus switch temperature difference (and tolerances) equals to the lower switch point, which means that the Normally Closed contact closes.



Technical Data

Switch temperature difference	5K (-3/+2K tolerance)*
Sensor element	thermostatic bimetal
Contact type	change-over snap-action contact
Service life	> 100,000 cycles
Min. switching capacity	10mA
Max. Switching capacity, NC	250VAC, 10 (4) A 120VAC, 10 (4) A DC 30W
Max. Switching capacity, NO	250VAC, 5 (2) A 120VAC, 5 (2) A DC 30W
Connection	4-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm ² stranded wire (with wire end ferrule) 1.5mm ²
Mounting	clip for 35mm DIN rail, EN60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 38mm
Weight	approx. 0.1 kg
Fitting position	variable
Operating / Storage temperature	-45 to +65°C (-49 to +149°F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type	IP20
Approvals	UL File No. E164102

*Connecting terminal "N" (RF heating resistor) causes the thermal feedback to work and allows for a possible reduction of the switch temperature difference. Thermal feedback is subject to surrounding conditions and thus has to be determined for each individual application.



Art. No.	Operating voltage	Setting range
01170.0-00	230VAC	+5 to +60°C
01170.0-01	230VAC	+40 to +140°F
01170.0-02	230VAC	-20 to +35°C
01170.9-00	120VAC	+40 to +140°F
01170.9-01	120VAC	+5 to +60°C

Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application. 04.08.2010