

- Wide adjustment range**
- High switching capacity**
- SPDT (Change-over) contact**
- DIN rail mountable**

The FZK 011 mechanical thermostat is used for controlling heating and cooling equipment, filter fans or signal devices where a higher degree of sensing accuracy is required. An integrated resistor (RF) can be connected to improve the switch temperature difference.¹⁾

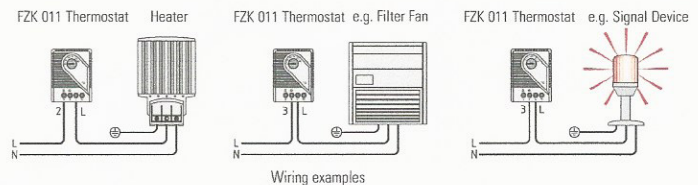
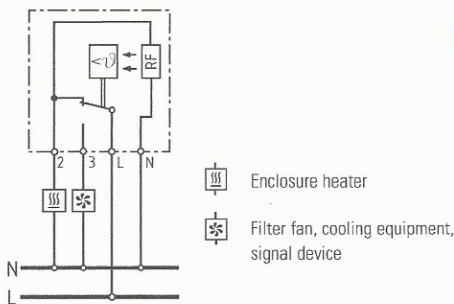
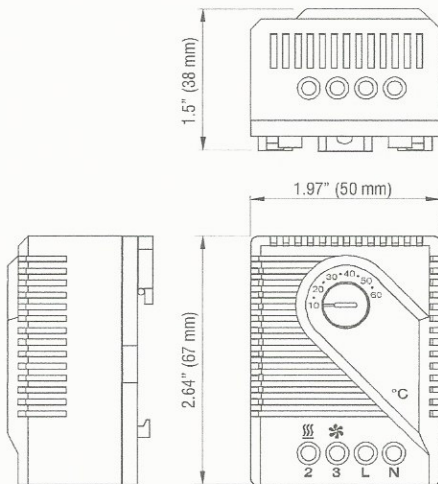
The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact.



Technical Data

Switching difference	approx. 7°F (4K), ± 2.7°F (1.5K) tolerance ¹⁾
Sensor element	thermostatic bimetal
Contact type	SPDT / change-over contact
Contact resistance	< 10mΩ
Service life	> 100,000 cycles
Max. switching capacity, NC	10A resistive / 4A inductive @ 120VAC 10A resistive / 4A inductive @ 250VAC DC 30W
Max. switching capacity, NO	5A resistive / 2A inductive @ 120VAC 5A resistive / 2A inductive @ 250VAC DC 30W
EMC	acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
Connection	4-pole terminal, clamping torque 0.5Nm max.: solid wire - AWG 14 max. (2.5mm ²) stranded wire (with wire end ferrule) - AWG 16 max. (1.5mm ²)
Housing	plastic, UL 94V-0, light grey
Mounting	clip for 35mm DIN rail, EN 60 715
Mounting position	vertical
Operating temperature	-4 to +176°F (-20 to +80°C)
Storage temperature	-49 to +176°F (-45 to +80°C)
Dimensions	2.64 x 1.97 x 1.5" (67 x 50 x 38mm)
Weight	approx. 3.5 oz. (100g)
Protection type	IP20

¹⁾ Connecting terminal "N" (RF heating resistor) causes the thermal feedback to work, reducing the switch temperature difference to approx. 1°F (0.5K).



Part No.	Operating voltage ²⁾	Setting range	Approvals
01170.0-00	230VAC	5 to 60°C	UL File No. E164102
01170.0-01	230VAC	40 to 140°F	UL File No. E164102
01170.9-00	120VAC	40 to 140°F	UL File No. E164102
01170.9-01	120VAC	5 to 60°C	UL File No. E164102

²⁾ Voltage only needs to be specified if the optional use of the RF resistor is desired.