

Mechanical Thermostat FZK 011



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

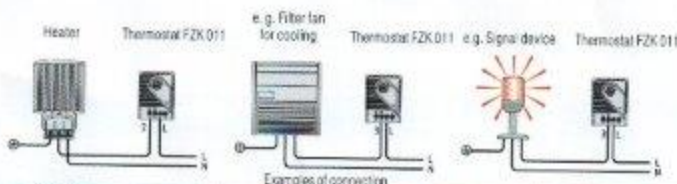
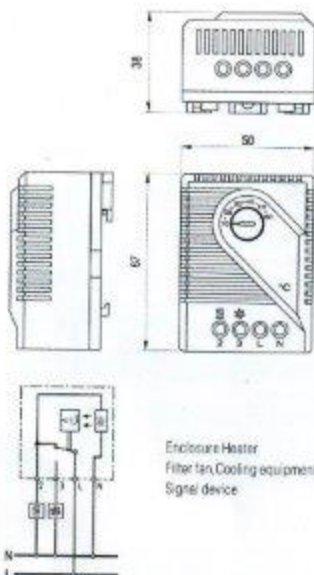
The mechanical thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact.



Technical Data

Switch temperature difference	4K ($\pm 1.5k$ tolerance)*
Sensor element	Thermostatic bimetal
Contact type	Change-over snap-action contact
Contact resistance	<10m Ω
Service life	>100,000 cycles
Max. Switching capacity, NC	250VAC, 10(4) A 120VAC, 10(4) A
Max. Switching capacity, NO	DC 30W 250VAC, 5(2) A 120VAC, 5(2) A
EMC	DC 30W
Connection	Acc. To EN 5014-1-2, EN 61000-3-2, EN 61000-3-3 4-pole terminal, clamping torque 0.5Nm max. Rigid wire 2.5mm ²
Mounting	Stranded wire (with wire end ferrule) 1.5mm ²
Casing	Clip for 35mm DIN rail, EN50022
Dimensions	plastic according to UL94V-0, light grey
Weight	67 x 50 x 38mm
Fitting position	Approx. 0.10g
Operating / Storage temperature	Variable
Protection type	-20 to +80°C (-4 to +176° F) / -45 to +80°C (-49 to +176° F)
Approvals	UL, ENEC, E66109

*Connecting terminal "N" (RF heating resistor) could be used for heating to work and to reduce the switch temperature difference to approx. 0.5K.



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 +30°C
01170 9-00	120VAC	+40 to +140° F
01170 9-01	120VAC	+5 to +60° F