

Mechanical Thermostat FZK 011



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

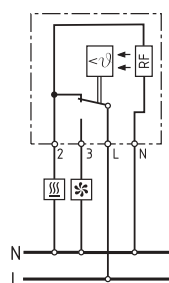
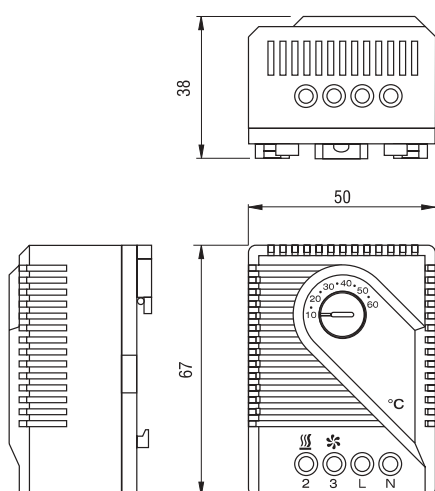
The mechanical thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact.



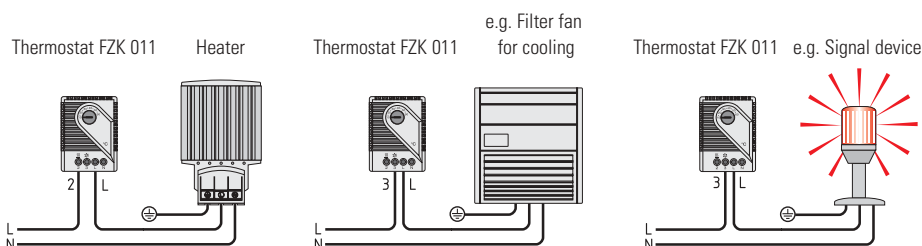
Technical Data

| | |
|--------------------------------------|--|
| Switch temperature difference | 4K ($\pm 1.5K$ tolerance)* |
| Sensor element | thermostatic bimetal |
| Contact type | change-over snap-action contact |
| Contact resistance | < 10mOhm |
| Service life | > 100,000 cycles |
| Max. Switching capacity, NC | 250VAC, 10 (4) A DC 30W |
| Max. Switching capacity, NO | 250VAC, 5 (2) A DC 30W |
| EMC | acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3 |
| Connection | 4-pole terminal for 2.5mm ² , clamping torque 0.8Nm |
| Mounting | clip for 35mm DIN rail, EN50022 |
| Casing | plastic according to UL94 V-0, light grey |
| Dimensions | 67 x 50 x 38mm |
| Weight | approx. 0.10kg |
| Fitting position | variable |
| Operating/Storage temperature | -20 to +80 °C (-4 to +176 °F) / -45 to +80 °C (-49 to +176 °F) |
| Protection type | IP20 |
| Approvals | - |

*Connecting terminal "N" (RF heating resistor) causes the thermal feedback to work and so reduces the switch temperature difference to approx. 0.5K.



Load 1 = Enclosure heater
Load 2 = Filter fan, Cooling equipment, Signal device



Examples of connection

| Art. No. | Operating voltage* | Setting range |
|------------|--------------------|---------------|
| 01170.0-00 | 230VAC | + 5 to +60°C |
| 01170.0-02 | 230VAC | -20 to +30°C |

*operating voltage 120VAC with setting range in °F upon request