

# TAMPER-PROOF THERMOSTAT (PRE-SET)

## FTO 011 / FTS 011

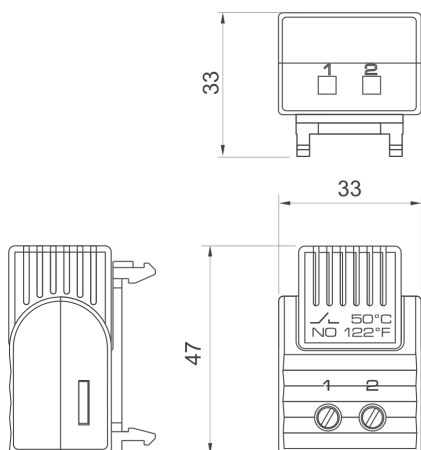


- > Small size
- > Default temperature settings

- > Easy to install
- > High switching accuracy

**Tamper-proof (Pre-set) Thermostat FTO 011:** Contact breaker/NC (red casing) for regulating heaters or for switching signal devices when temperature has fallen below the minimum value. The contact opens when temperature is rising.

**Tamper-proof (Pre-set) Thermostat FTS 011:** Contact maker/NO (blue casing) for regulating filter fans, heat exchangers, cooling devices or for switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.



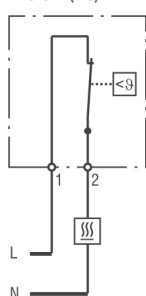
### TECHNICAL DATA

|                               |                                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| Sensor element                | thermostatic bimetal                                                                                         |
| Contact type                  | snap-action contact                                                                                          |
| Service life                  | > 100,000 cycles                                                                                             |
| Max. switching capacity       | 250VAC, 5 (1.6) A / 120VAC, 10 (2) A<br>DC 30W                                                               |
| Max. inrush current           | AC 16A for 10 sec.                                                                                           |
| Connection                    | 2-pole terminal, clamping torque 0.8Nm max.:<br>rigid/stranded <sup>1</sup> wire 2.5mm <sup>2</sup> (AWG 14) |
| Mounting                      | clip for 35mm DIN rail, EN 60715                                                                             |
| Casing                        | plastic according to UL94 V-0, light grey                                                                    |
| Dimensions                    | 47 x 33 x 33mm                                                                                               |
| Weight                        | approx. 30g                                                                                                  |
| Fitting position              | variable                                                                                                     |
| Operating/Storage temperature | -40 to +80°C (-40 to +176°F) / -45 to +80°C (-49 to +176°F)                                                  |
| Operating/Storage humidity    | max. 90% RH (non-condensing)                                                                                 |
| Protection type               | IP20                                                                                                         |
| Approvals                     | VDE, UL File No. E164102, EAC                                                                                |

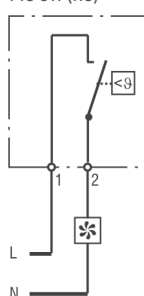
<sup>1</sup> When connecting with stranded wires, wire end ferrules must be used.

### Connection diagrams

Thermostat  
FTO 011 (NC)



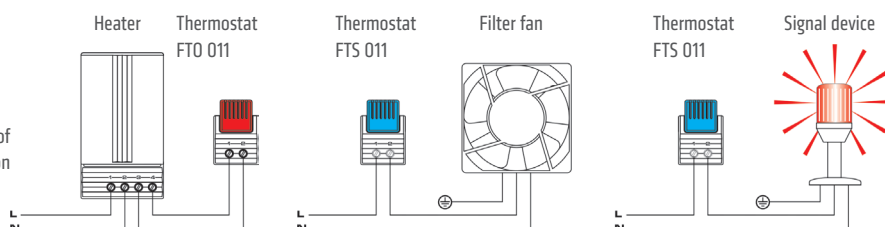
Thermostat  
FTS 011 (NO)



Heater

Filter fan, Cooling equipment, Signal device

### Examples of connection



| Art. No.   | Contact              | Switch-off temperature         | Switch-on temperature          |
|------------|----------------------|--------------------------------|--------------------------------|
| 01160.0-00 | Contact breaker (NC) | +15°C / +59°F (±5K tolerance)  | +5°C / +41°F (±5K tolerance)   |
| 01160.0-01 | Contact breaker (NC) | +25°C / +77°F (±5K tolerance)  | +15°C / +59°F (±5K tolerance)  |
| 01160.0-05 | Contact breaker (NC) | +10°C / +50°F (±5K tolerance)  | 0°C / +32°F (±5K tolerance)    |
| Art. No.   | Contact              | Switch-on temperature          | Switch-off temperature         |
| 01161.0-00 | Contact maker (NO)   | +50°C / +122°F (±6K tolerance) | +40°C / +104°F (±7K tolerance) |
| 01161.0-01 | Contact maker (NO)   | +60°C / +140°F (±6K tolerance) | +50°C / +122°F (±7K tolerance) |
| 01161.0-02 | Contact maker (NO)   | +35°C / +95°F (±6K tolerance)  | +25°C / +77°F (±7K tolerance)  |

Note: Other switch-off and switch-on temperatures on request.