

# DUAL THERMOSTAT

## ZR 011

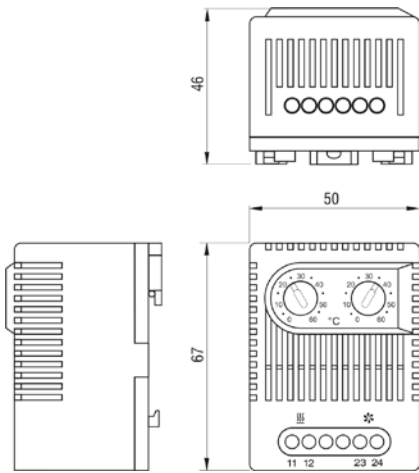


- > NO and NC in one casing
- > Separate adjustable temperatures
- > High switching capacity
- > Terminals easily accessible
- > Clip fixing

Two thermostats in one casing:

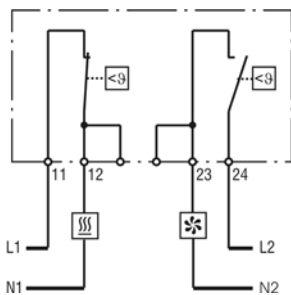
**Thermostat (contact breaker, normally closed)** for regulating heaters. The contact opens when temperature is rising.  
**Thermostat (contact maker, normally open)** for regulating filter fans and heat exchangers or switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.

Heaters and cooling equipment can be switched independently from each other with a temperature offset as opposed to the usual change-over contacts.



Connection diagram

Thermostat ZR 011 (NC/NO)



- Heater
- Filter fan, Cooling equipment, Signal device

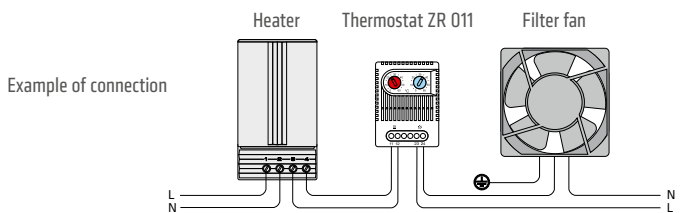


### TECHNICAL DATA

|                               |   |
|-------------------------------|---|
| Switch temperature difference | 7 K (±4 K tolerance)  |
| Sensor element                | thermostatic bimetal  |
| Contact type                  | snap-action contact   |
| Service life                  | > 100,000 cycles  |
| Max. switching capacity       | AC 250 V, 10 (2) A<br>AC 120 V, 15 (2) A<br>DC 30 W at DC 24 V to DC 72 V   |
| Max. inrush current           | AC 16 A for 10 sec.   |
| Connection                    | 4-pole terminal, clamping torque 0.5 Nm max.:<br>rigid wire 2.5 mm <sup>2</sup> (AWG 14)<br>stranded wire <sup>1</sup> 1.5 mm <sup>2</sup> (AWG 16) |
| Mounting                      | clip for 35 mm DIN rail, EN 60715   |
| Casing                        | plastic according to UL94 V-0. light grey   |
| Dimensions                    | 67 x 50 x 46 mm   |
| Weight                        | approx. 90 g  |
| Fitting position              | variable  |
| Operating/Storage temperature | -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, CSA, EAC  |

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

**Important note:** The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.



| Art. No.                | Setting range        |                | Setting range      |                |
|-------------------------|----------------------|----------------|--------------------|----------------|
| 01172.0-00              | Contact breaker (NC) | 0 to +60 °C    | Contact maker (NO) | 0 to +60 °C    |
| 01172.0-01              | Contact breaker (NC) | +32 to +140 °F | Contact maker (NO) | +32 to +140 °F |
| 01175.0-00              | Contact breaker (NC) | -10 to +50 °C  | Contact maker (NO) | +20 to +80 °C  |
| 01175.0-01              | Contact breaker (NC) | +14 to +122 °F | Contact maker (NO) | +68 to +176 °F |
| 01176.0-00 <sup>2</sup> | Contact maker (NO)   | 0 to +60 °C    | Contact maker (NO) | 0 to +60 °C    |
| 01176.0-01 <sup>2</sup> | Contact maker (NO)   | +32 to +140 °F | Contact maker (NO) | +32 to +140 °F |

<sup>2</sup> For regulating heat exchangers and fans (e. g. LE 019) and as an alarm contact for monitoring the interior temperature of electronic enclosures.

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