



**Adjustable and pre-set relative humidity**

**Optical operating display (LED)**

**High switching capacity**

**Clip fixing**

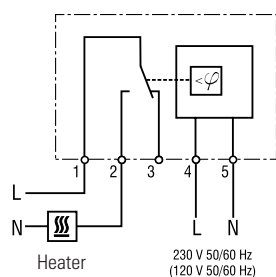
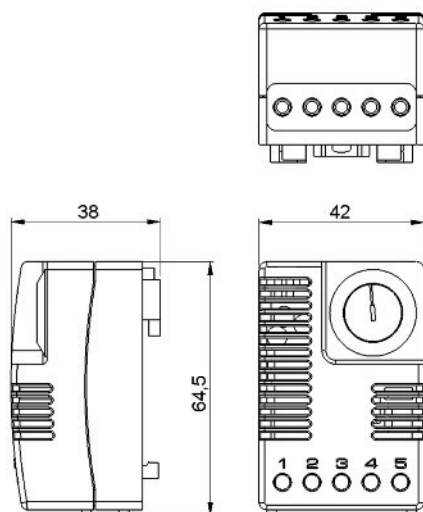
**Temperature-compensated**

The electronic hygrostat senses the relative humidity in an enclosure with electric/electronic components, and turns on a heater at the set point, helping prevent the formation of condensation in the enclosure. The LED integrated in the adjustment knob is lit when the connected heater is in operation.

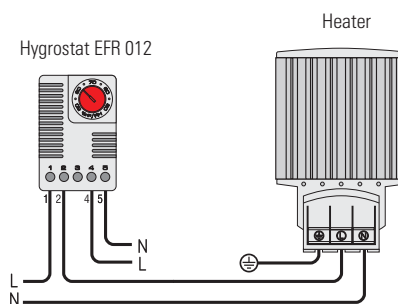


## Technical Data

|                                               |                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switch difference</b>                      | 5% RH ( $\pm 3\%$ RH tolerance) at 25°C/77°F (50% RH)                                                                                     |
| <b>Reaction time</b>                          | 5 sec.                                                                                                                                    |
| <b>Contact type</b>                           | change-over contact (relay)                                                                                                               |
| <b>Service life</b>                           | > 50,000 cycles                                                                                                                           |
| <b>Max. switching capacity (relay output)</b> | 240VAC, 8 (1.6) A<br>120VAC, 8 (1.6) A<br>24VDC, 4A                                                                                       |
| <b>Optical indicator</b>                      | LED                                                                                                                                       |
| <b>Connection</b>                             | 5-pole terminal, clamping torque 0.5Nm max.:<br>rigid wire 2.5mm <sup>2</sup><br>stranded wire (with wire end ferrule) 1.5mm <sup>2</sup> |
| <b>Mounting</b>                               | clip for 35mm DIN rail, EN60715                                                                                                           |
| <b>Casing</b>                                 | plastic according to UL94 V-0, light grey                                                                                                 |
| <b>Dimensions</b>                             | 64.5 x 42 x 38mm                                                                                                                          |
| <b>Weight</b>                                 | approx. 70g                                                                                                                               |
| <b>Fitting position</b>                       | vertical                                                                                                                                  |
| <b>Operating / Storage temperature</b>        | 0 to +60°C (+32 to +140°F) / -20 to +70°C (-4 to +158°F)                                                                                  |
| <b>Operating / Storage humidity</b>           | max. 90 % RH (non-condensing)                                                                                                             |
| <b>Protection type</b>                        | IP20                                                                                                                                      |



Connection diagram



Example of connection

| Art. No.   | Operating voltage | Setting range  | Approvals    |
|------------|-------------------|----------------|--------------|
| 01245.0-00 | 230VAC, 50/60Hz   | 40 to 90% RH   | VDE + CSA-US |
| 01246.0-00 | 230VAC, 50/60Hz   | 65% RH pre-set | VDE + CSA-US |
| 01245.9-00 | 120VAC, 50/60Hz   | 40 to 90% RH   | CSA-US       |
| 01246.9-00 | 120VAC, 50/60Hz   | 65% RH pre-set | CSA-US       |