

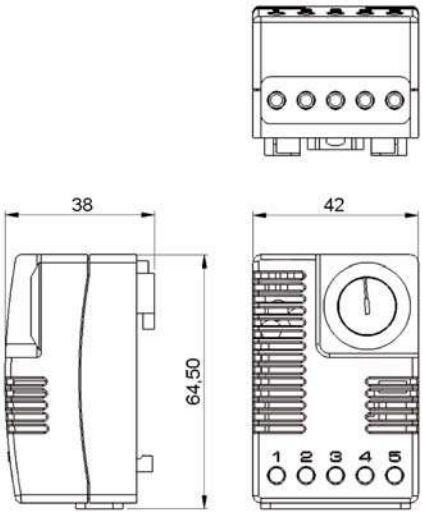

## Adjustable and pre-set relative humidity
## Optical operating display (LED)
## High switching capacity
## Clip fixing
## Temperature-compensated

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.

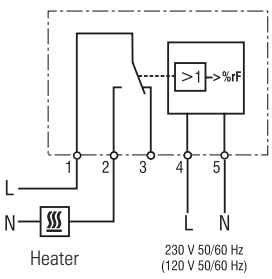
CE RoHS 2002/95/EC compliant

## Technical Data

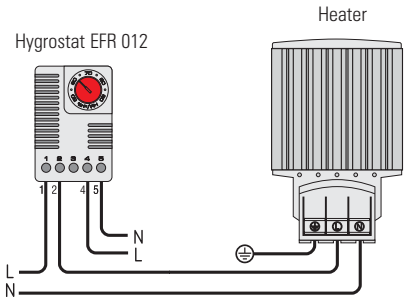
| | |
|---|---|
| **Switch difference** | 5% RH (± 1% RH tolerance) at 25°C/77°F (50% RH) |
| **Reaction time** | approx. 5 sec. |
| **Contact type** | change-over contact (relay) |
| **Service life** | > 50,000 cycles |
| **Max. switching capacity (relay** | 240VAC, 8 (1.6) A |
| **output)** | 120VAC, 8 (1.6) A |
| | 24VDC, 4A |
| **EMC** | acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3 |
| **Optical indicator** | LED |
| **Connection** | 5-pole terminal, clamping torque 0.5Nm max.: |
| | rigid wire 2.5mm² |
| | stranded wire (with wire end ferrule) 1.5mm² |
| **Mounting** | clip for 35mm DIN rail, EN50022 |
| **Casing** | plastic according to UL94 V-0, light grey |
| **Dimensions** | 64.5 x 42 x 38mm |
| **Weight** | approx. 65g |
| **Fitting position** | vertical |
| **Operating / Storage temperature** | 0 to +60°C (+32 to +140°F) / -20 to +70°C (-4 to +158°F) |
| **Max. storage humidity** | 90% RH (without condensation) |
| **Protection type** | IP20 |




Connection diagram




Example of connection




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

Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/ buyer in its final application.
21.02.2008