

ELECTRONIC HYGROSTAT

EFR 012



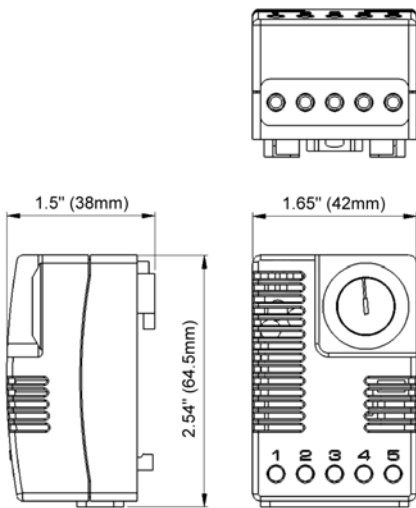
- > Adjustable & pre-set relative humidity setpoints
- > Compact design
- > High switching capacity
- > Optical function display (LED)
- > DIN rail mountable

The EFR 012 electronic hygrostat senses the relative humidity in an enclosure and turns on a heater at the set point, helping prevent the formation of condensation in the enclosure. The integrated LED is lit when the connected device is in operation.

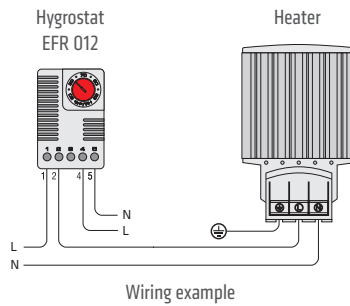
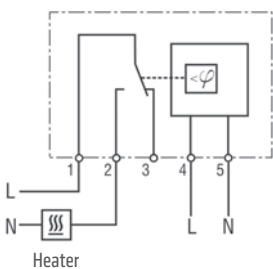


TECHNICAL DATA

| | |
|--|---|
| Switching difference | 5 % RH (± 1 % tolerance) – at 77 °F (25 °C) and 50 % RH |
| Reaction time | approx. 5 seconds |
| Contact type | SPDT / change-over contact (relay) |
| Service life | > 50,000 cycles |
| Max. switching capacity (relay output) | 8 A resistive / 1.6 A inductive @ AC 120 V 8 A resistive / 1.6 A inductive @ AC 240 V 100 W @ DC 24 V |
| Max. inrush current | AC 16 A for 10 sec. |
| Connection | 5-pole terminal, clamping torque 0.5 Nm max.: solid/stranded ¹ wire – AWG 14 max. (2.5 mm ²) |
| Housing | plastic, UL 94V-0, light grey |
| Mounting | clip for 35 mm DIN rail, EN 60715 |
| Mounting position | vertical |
| Operating / Storage temperature | +32 to +140 °F (0 to +60 °C) / -4 to +158 °F (-20 to +70 °C) |
| Operating / Storage humidity | max. 90 % RH (non-condensing) |
| Dimensions | 2.54 x 1.65 x 1.5" (64.5 x 42 x 38 mm) |
| Weight | approx. 2.3 oz. (65 g) |
| Protection type | IP20 |



¹ When connecting with stranded wires, wire end ferrules must be used.



| Part No. | Operating voltage | Setting range | Approvals | | |
|------------|--------------------|-----------------|-----------|---------------------|-----|
| 01245.0-00 | AC 230 V, 50/60 Hz | 40 to 90 % RH | VDE | UL File No. E164102 | EAC |
| 01245.9-00 | AC 120 V, 50/60 Hz | 40 to 90 % RH | - | UL File No. E164102 | EAC |
| 01246.0-00 | AC 230 V, 50/60 Hz | 65 % RH pre-set | VDE | UL File No. E164102 | EAC |
| 01246.0-01 | AC 230 V, 50/60 Hz | 50 % RH pre-set | VDE | UL File No. E164102 | EAC |
| 01246.9-00 | AC 120 V, 50/60 Hz | 65 % RH pre-set | - | UL File No. E164102 | EAC |