ELECTRONIC HYGROSTAT

EFR 012 | 01245.0-00



The hygrostat is used to prevent condensate and monitors the relative humidity in enclosures and casings. When the set value is reached, the heating is switched on and the integrated LED lights up.

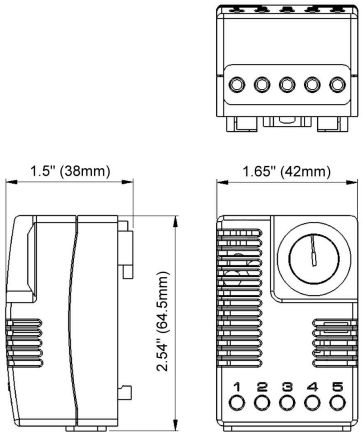
- Adjustable or fixed relative air humidity
- Visual status display (LED)
- High switching capacity
- Temperature-compensated
- Clip mounting

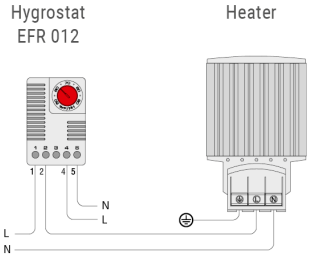
OVERVIEW TECHNICAL DATA

Device type	Hygrostat
Setting range	40 % RH - 90 % RH
Contact type	Relay
Protection type	IP20
Operating display	LED
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC
Operating voltage	230 V
Inrush current	16 A
Inrush current duration	10 s
Power consumption	1 W
Switching capacity	8 (1.6) A (AC) ; 100 W (DC)
Switching current ohmic	8 A
Reference voltage ohmic	240 VAC
Reference voltage 2 ohmic	120 VAC
Switching current inductive	1,6 A
Reference voltage inductive maximum	240 VAC
Reference voltage 2	120 VAC
Switching current dc ohmic	4,2 A
Reference voltage dc ohmic	24 VDC
Minimal switching capacity	0,3 W
Reference voltage	5 V
Switching current	5 mA
Reaction time	5 s
Service life	>50000 cycles

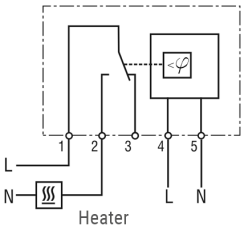
Switching differential	5 % RH
Switching differential tolerance	± 3 % RH
Operating temperature	0 °C - 60 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-20 °C - 70 °C
Torque	0,5 Nm max.
Connection	5-pole clamp: rigid wire/stranded wire with wire end ferrule 2.5 mm² (AWG 14)
Design	Changer
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	64,5 mm
Width	42 mm
Depth	38 mm
Weight	70 g
Note	Switching resistive load (switching inductive load). Wire end ferrules must be used for connections with stranded wires.

TECHNICAL DRAWINGS





Connection example



Connection diagram