MECHANICAL HYGROSTAT

MFR 012 | 01220.0-00



The hygrostat is used to prevent condensate and regulates heating and fans. From a critical relative humidity of 65 %, the temperature is increased so that the relative air humidity decreases and condensate is prevented from forming.

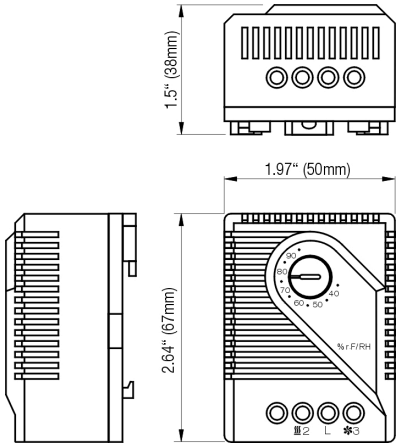
- Adjustable relative air humidity
- Changeover contact (heating or cooling)
- High switching capacity
- Clip mounting

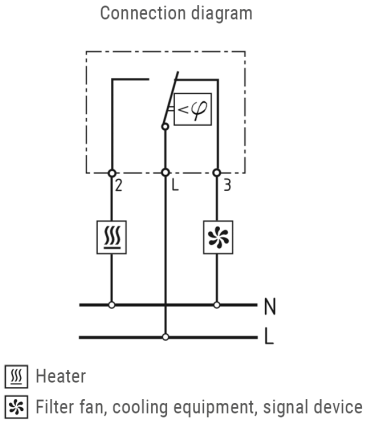
OVERVIEW TECHNICAL DATA

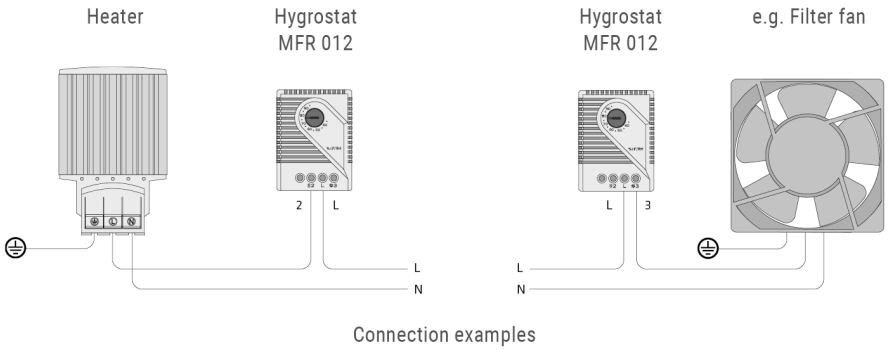
Device type	Hygrostat
Setting range	35 % RH - 95 % RH
Contact type	Snap-action contact
Protection type	IP20
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC;DC
Inrush current	16 A
Inrush current duration	10 s
Switching capacity	AC 5 A;DC 20 W
Switching current ohmic	5 A
Reference voltage ohmic	250 VAC
Reference voltage 2 ohmic	120 VAC
Switching current dc ohmic	0,6 A
Reference voltage dc ohmic	30 VDC
Reference voltage	20 V
Switching current	0,1 A
Service life	>50000 cycles
Switching differential	4 % RH
Switching differential tolerance	± 3 % RH
Operating temperature	0 °C - 60 °C
Operating humidity	≤95 % RH
Storage humidity	≤95 % RH
Storage temperature	-40 °C - 60 °C
Torque	0,5 Nm max.

Connection	3-pole clamp: Rigid wire cable 2.5 mm² (AWG 14) Stranded wire² 1.5 mm² (AWG 16)
Design	Changer
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	67 mm
Width	50 mm
Depth	38 mm
Weight	60 g
Note	Switching differential referred to 50 % rH. Wire end ferrules must be used for connections with stranded wires.
CCC	CQC

TECHNICAL DRAWINGS







Connection examples