

MFR 012



- Adjustable relative humidity
- Change-over contact
- High switching capacity
- Easily accessible terminals
- Clip fixing

The electromechanical hygrostat is designed to control enclosure heaters so that the dew point is raised when a critical relative humidity of 65% is exceeded. In this way condensation and corrosion in enclosures with electric/electronic components is effectively prevented.

Technical Data

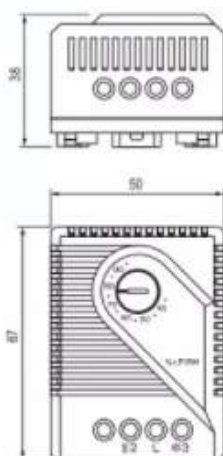
CE RoHS ISO9001 Patent

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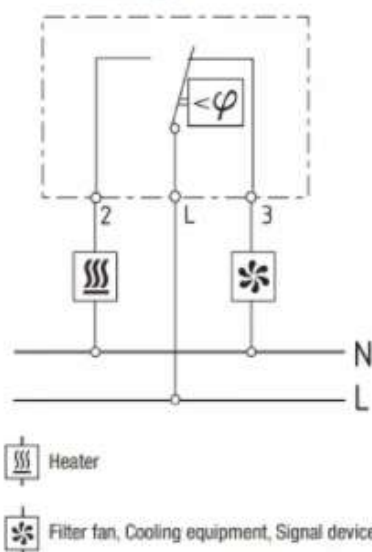
Switch difference ¹	+/-5% RH
Permissible air velocity	15m/sec.
Contact type	change-over contact
Service life	> 50,000 cycles
Min. switching capacity	20VAC / DC 100mA
Max. switching capacity	250VAC, 5A / DC 20W
Connection	3-pole terminal for 2.5mm ² , clamping torque 0.5Nm max.: rigid wire 2.5mm ² (AWG 14); stranded wire ² 1.5mm ² (AWG 16)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 38mm
Weight	approx. 60g
Fitting position	variable
Operating/Storage temperature	0 to +60°C (+32 to +140°F) / -40 to +60°C (-40 to +140°F)
Operating/Storage humidity	max. 95% RH (non-condensing)
Protection type	IP20

¹ at 50% RH

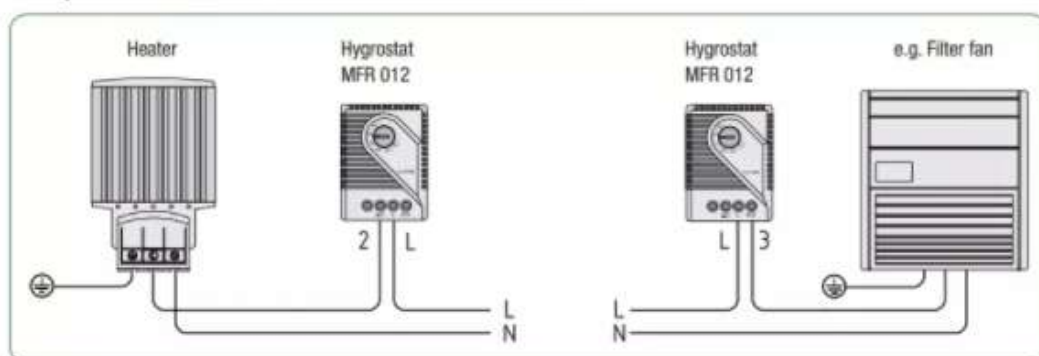
² When connecting with stranded wires, wire end ferrules must be used.



Connection diagrams



Examples of connection



Art. No.	Setting Range	Operating Voltage
01220.0-00	35 to 95% RH	20VAC/DC, 250VAC