

MFR 012

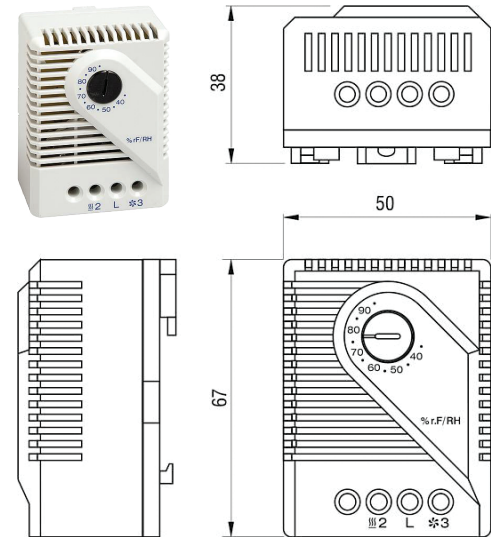
HYGROSTATS

MECHANICAL HYGROSTAT

The MFR 012 electromechanical hygrostat is designed to control the relative humidity inside enclosures. When connected to an enclosure heater (dehumidifier), it will energize the heater at the humidity set point in order to raise the dew point. This helps prevent damage and malfunction of electronic components caused by condensation and corrosion*.

The MFR 012 can also be used to control cooling fans, warning lights or other devices.

Switch Difference	4% RH (±3% tolerance)
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** 1.5mm ² (AWG 16)
Housing	plastic, UL 94V-0, light grey
Mounting	clip for 35 mm DIN rail, EN 60715
Mounting Position	variable
Dimensions	2.64 x 1.97 x 1.5"
Weight	approx. 2 oz.
Operating/Storage Temperature	+32 to +140 °F (0 to +60 °C) -40 to +140 °F (-40 to +60 °C)
Operating/Storage Humidity	max. 95 %RH (non-condensing)
Protection Type	IP20



Dimensioned Drawings.

- 16 Amp DC switching capacity
- Low hysteresis
- Wide adjustment range
- DIN rail mountable



*The critical relative humidity level for most components is 65%.

Above 65% RH, condensation can form and cause malfunctions of electronic equipment. Long term, this can lead to corrosion and permanent damage of electronic components and systems.

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

Part No.	Setting Range	Approvals
01220.0-00	35 to 95 %RH	UL File No. E164102, EAC