

# Mechanical Hygrostat MFR 012



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

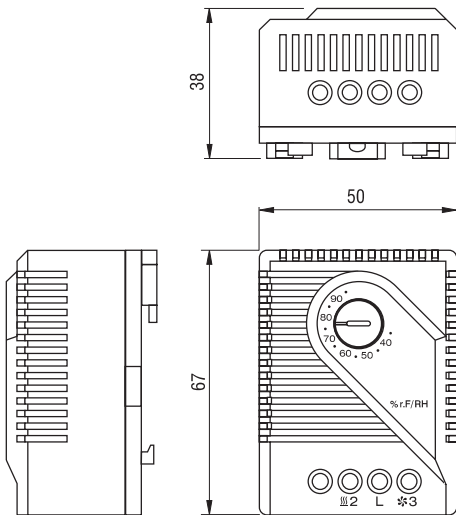
The electromechanical hygrostat is designed to control enclosure heaters so that the dew point is raised when a critical relative humidity of 65% is exceeded. In this way condensation and corrosion in enclosures with electric/electronic components is effectively prevented.



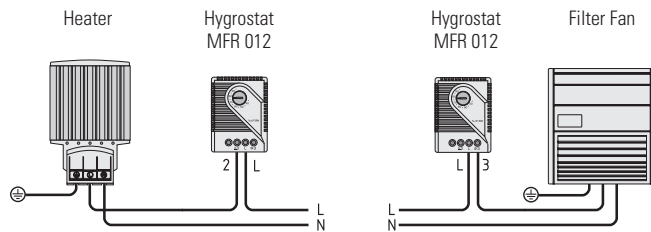
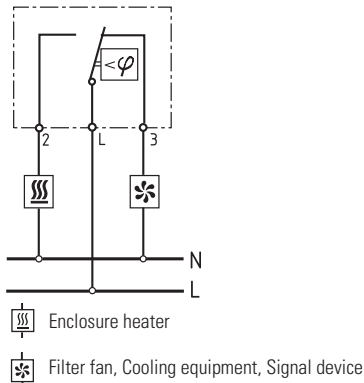
## Technical Data

<b>Switch difference*</b>	4% RH ( $\pm 3\%$ tolerance)
<b>Permissible air velocity</b>	15m/sec.
<b>Contact type</b>	change-over contact
<b>Service life</b>	> 50,000 cycles
<b>Min. switching capacity</b>	20V AC/DC, 100mA
<b>Max. switching capacity</b>	250VAC, 5A
	20WDC
<b>Max. inrush current</b>	5AAC
<b>Connection</b>	3-pole terminal for 2.5mm <sup>2</sup> , clamping torque 0.5Nm max.: rigid wire 2.5mm <sup>2</sup> stranded wire (with wire end ferrule) 1.5mm <sup>2</sup>
<b>Mounting</b>	clip for 35mm DIN rail, EN 60715
<b>Casing</b>	plastic according to UL94 V-0, light grey
<b>Dimensions</b>	67 x 50 x 38mm
<b>Weight</b>	approx. 60g
<b>Fitting position</b>	variable
<b>Operating / Storage temperature</b>	0 to +60°C (+32 to +140°F) / -40 to +60°C (-40 to +140°F)
<b>Operating / Storage humidity</b>	max. 90% RH (non-condensing)
<b>Protection type</b>	IP20
<b>Approvals</b>	UL File No. E164102

\*at 50% RH



Connection diagram



Examples of connection

Art. No.	Setting range
01220.0-00	35 to 95% RH