

MECHANICAL HYGROSTAT HS01

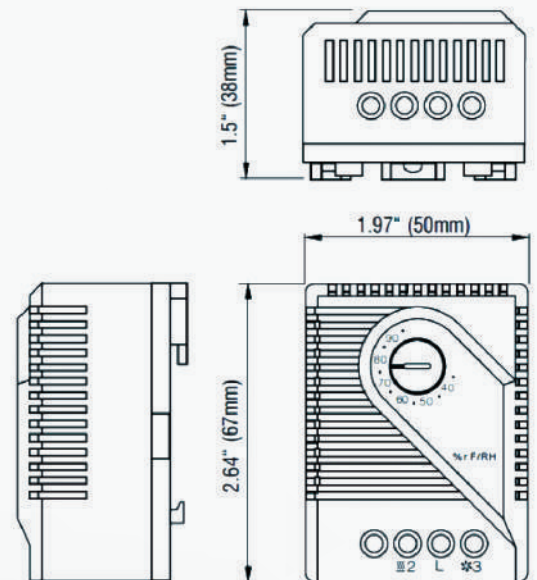
- Adjustable relative humidity range
- High switching capacity
- DIN rail mountable



The HS01 is designed to control the relative air humidity inside of enclosures. When connected to an enclosure heater, (de-humidifier), it will turn the heater on at the set humidity level in order to raise the dew point. This helps prevent damage and malfunction of electronic components caused by condensation and corrosion*. The HS01 can also be used to control cooling fans, warning lights or other devices.

TECHNICAL DATA

Adjustment range	: 35 - 95% relative humidity
Switching difference (hysteresis)	: Approx. 4% RH @ 50% relative humidity
Permissible air velocity	: 15 m/sec
Maximum switching voltage	: 250 VAC
Attention	: 250 V should only be switched in a non-condensing environment!
Contact type	: Change-over contact
Contact resistance	: < 10 m ohms
Service life	: 100,000 cycles
Minimum switching capacity	: 100mA @ AC/DC 20 V
Maximum switching capacity	: 5A @ AC 230 V (resistive load) 1.0A @ AC 230 V (inductive load at cos j = 0.8) DC 20W
Connection	: 3-pole terminal, 3 x AWG 14 max. (2.5 mm ²)
Housing	: Clip for 35 mm DIN rail (EN 50022)
Dimensions (H x W x D)	: 67 x 50 x 38 mm
Mounting	: Plastic
Weight	: 60 g
Operating temperature	: 0 to 60°C
Storage temperature	: -20 to 80 °C
Protection type	: IP 20
Application examples	: Electrical & Electronic enclosures Telecommunication systems Display panels Ticket dispensers Automatic teller machines (ATM's) Access & Parking control systems



*The critical relative humidity for most components is 65%. Above 65% RH, condensation can cause malfunction of electronic equipment. Long-term, this can lead to corrosion and permanent damage of electronic components and systems.



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