SUR 2

VN873600



Sensor that provides a current or voltage signal based on the relative humidity measured in the room

Technical specifications

Power supply	
Power supply	12 ÷ 24 Vac (-10% ÷ +15%) 9 ÷ 30 Vdc (-10% ÷ +10%)
Absorption	10 mA (12 Vdc with voltage output) 8 mA (24 Vdc with voltage output) 35 mA (12 Vdc with current output) 24 mA (24 Vac with current output) 50 mA (12 Vac with current output) 24 mA (24 Vac with current output)
Parameter settings	
Differential/Hysteresis	1.3 °C (±0.2)
Measure	
Humidity measuring range	10 ÷ 90 RH
Humidity measurement accuracy	± 3% RH
Functional characteristics	
Sensor type	Capacitive
Sensor working range	10 ÷ 90%
Operating conditions	
Operating temperature range	-10 ÷ 70 °C 0 ÷ 50 °C
Relative humidity	90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Storage humidity range	90% non condensante RH
Outputs	
Output signal	10 mV / % RH (load Rmin = 1 kΩ) 4 to 20 mA (load Rmax = 100 Ω)
Terminations	
Maximum cable cross-section	1.5 (screw terminal block) mm²
Mechanical features	
Protection degree	IP30

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

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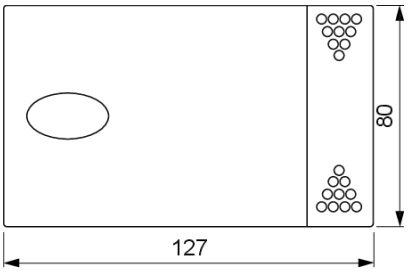
Overall dimensions	
Height (A)	80 mm
Width (B)	127 mm
Depth (C)	30 mm

Dimensions

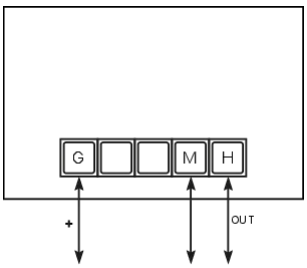
Front View



Side View



Wiring diagram



Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-13 • EN IEC 63000

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