

Monitoring of relative humidity

In- or external sensor

Output signal selectable with jumpers

18-30 VDC supply

Internal Pt100 sensor possible

Made in accordance with the CE and EMC regulations



The C-mac[®] humidity sensor HS14 is monitoring the relative humidity in air. You can select between 3 different output ranges.

The unit is also available with an immersion tube, which is useful, if f.inst. you want to monitor the humidity in ventilation channels.

The unit is also available with an internal Pt100 sensor, for connection to temperature converter or relay.

Technical data:

Supply voltage:	18-30 VDC
Metering range:	10 - 90% RH
Output ranges:	(0 - 100 % RH) 0-20 mA, 0-5 V or 0-10 V
Power consumption:	0,5 W - 0,9 W depending on the input signal
Operating temp.:	-20°C to +60°C
Accuracy:	(5 - 95% RH) +/- 2%
Linearity:	+/- 2%

EMC og safety regulations.

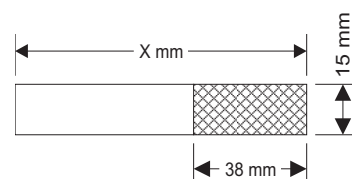
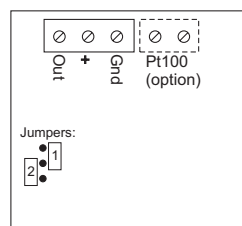
Emmision:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.



HSR 14 sensor

Connections and jumpers:



Output signal:

0-20 mA
0-5 V
0-10 V

Jumpers:

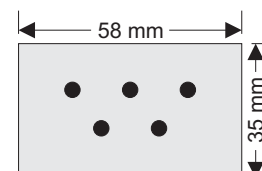
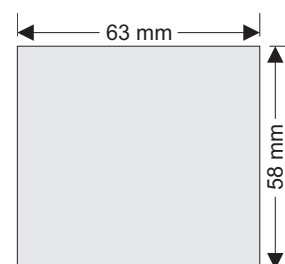
No jumpers
Jumper in pos. 1
Jumper in pos. 2

Ordering guide:

Without immersion tube
With immersion tube 96 mm
With immersion tube 250 mm
With Pt100 sensor

Type nr.
HS14-1
HSR14- 1
HSR14-1-250
HST14- or HSTR14-

Mechanical dimensions:



Materials and weight:

Housing:	Polycarbonate, grey
Terminals:	Nickel-plated brass
Weight:	80 g