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DATA SHEET

KLHJ

Produal

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HUMIDITY TRANSMITTER KLHJ 100

KLHJ 100 and KLHJ 100-N detect relative humidity by a capasitive and temperature by an NTC10 sensors. There is a 2m cable between sensors and the transmitter electronics. Linear output signals (humidity and temperature) can be coded either to 0…10V or 4…20mA signals at the commissioning.

High quality sensors guarantee the long stability and wide ranges both for humidity (0...90 %RH) and temperature (-40...+50 °C) detecting. Sensor elements are protected by the plastics filter.

Mounting on the wall by the screws.
Sensors can be installed to the duct by the flange on the sensor probe.

KLHJ 100 - N is like KLHJ 100, but with a display. Display is scanning between humidity and temperature and it can be fixed to show either humidity or temperature by loosing the jumper on back of the display board.



Technical data:

Supply	24 Vac/dc (15-28Vac/dc) < 1VA
Outputs	0…10Vdc < 2 mA 4…20mA < 600 ohm
by using 15…18Vdc-supply	4…20mA <375…525 ohm* *(+Vdc-7,5V)/20mA
Ranges	
humidity	0...100 % RH
temperature	-50…+50°C
Accuracy	
humidity	+/- 2 %RH (0…90%RH)
temperature	+/- 0.5°C / 25°C
Sensors	
humidity	capasitive
temperature	thermistor
Long term stability	+/- 5 %RH, 24kk
Protection class	
transmitter	IP 54
sensor	IP 50
Cable	2m LIYCY 5 x 0,25
Dimensions w x h x d	70 x 98 x 220 mm
Materials	PBT, PC, PA and stainless steel

Wiring:

1	24 Vac/dc	
2	0V	
3	%RH – output, out 1	(0-10V / 4-20mA)
4	°C – output, out 2	(0-10V / 4-20mA)

Ordering guide:

Model	Product number	Description
KLHJ 100	1132260	humidity transmitter
KLHJ 100-N	1132261	humidity transmitter with display

Products fulfill the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

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