

OUTDOOR HUMIDITY TRANSMITTER KLU 100

Combined humidity & temperature transmitters KLU 100 and KLU 100-N detect air humidity by the capacitive and temperature by the NTC10 sensors. 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 sintered plastics filter. Mounting to the wall with screws.

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



Technical data:

Supply	24Vac/dc, < 50mA (15...28Vac/dc)
Outputs	0...10Vdc < 2 mA 4...20mA < 600 ohm
Outputs with 15...18Vdc supply	4...20 mA < 375...525 ohm* * (+Vdc-7.5V)/20 mA
Ranges	
humidity	0...100 % RH
temperature	-50...+50°C
Accuracy	
humidity	+/- 2 %RH (0...90 %RH / 25°C)
temperature	+/- 0.5°C / 0°C
Sensors	
humidity	capacitive
temperature	NTC10
Long term stability	+/- 5 %RH / 2 year
Protection class	
transmitter	IP 54
sensor	IP 5X

Connection:

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

Ordering guide:

Model	Product number	Description
KLU 100	1132250	outdoor humidity transmitter
KLU 100-N	1132251	outdoor humidity transmitter with display

Products fulfill the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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