

ROOM HUMIDITY TRANSMITTER KLH 100

KLH 100 is a combined relative humidity and temperature transmitter, which is made for indoor measurements.

Linear 0...10Vdc-signals are sent to the incorporated control devices.

Mounting can be made on a wall surface or on a standard conduit box.

Available also with a %rH and/or °C display; type KLH 100-N. As a factory setting the display keeps changing in 3s cycles between temperature and humidity. By opening the link S1 during the desired display this variable stays fixed.



Technical data:

Supply	24V ac/dc, <1VA
Outputs	0-10Vdc, < 2mA
Range	0...100 % rH
continuous use	5...95 % rH
Temperature range	0...+50 °C
Accuracy	
humidity	+/- 2% rH, (25 °C)
temperature	+/- 0,5°C, (25 °C)
Long term stability	+/- 5 % rH, 24 months
Ambient humidity (non condensing)	0...100 % rH
Housing, protection class	ABS plastics, IP20

Connection:

1	supply 24V ac/dc
2	0V
3	% rH-output 0...10Vdc (0...100% rH)
4	°C-output 0...10Vdc (0...50 °C)

Ordering guide:

Model	Product number	Description
KLH 100	1132210	room transmitter
KLH 100-N	1132211	room transmitter with display (humidity and temperature display)

HUMIDITY TRANSMITTER KLHJ 100

KLHJ 100 and KLHJ 100-N detect relative humidity by a capacitive 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	capacitive
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

DUCT HUMIDITY & TEMPERATURE TRANSMITTER KLK 100

Combined humidity & temperature transmitters KLK 100 and KLK 100-N detect duct air humidity by the capacitive and temperature by the thermistor sensor.

The linear output signals (humidity and temperature) can be coded at the commissioning either to 0...10V or 4...20mA signals.

High quality sensors guarantee the long stability and wide ranges both for humidity (10...90%RH) and temperature (-40...+50°C) detecting.

Installation in the duct is made by the adjustable flange.

KLK 100-N is like KLK 100, but with a 0...100 %RH and / or °C display.



Technical data:

Supply	24 Vac/dc (15-28Vac/dc) < 1VA
Outputs	0...10Vdc < 2 mA 4...20mA < 600 ohm
Outputs with 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	capacitive
temperature	thermistor
Long term stability	+/- 5 %RH, 24 kk
Protection class	probe or cable gland downwards
transmitter	IP 54
sensor	IP 20
Dimensions	70 x 98 x 220 mm
Materials	PBT, PC, PA and stainless steel

Connection:

4	24 Vac/dc
5	0V
6	%RH - output, out 1 (0-10V / 4-20mA)
4	°C - output, out 2 (0-10V / 4-20mA)

Ordering guide:

Model	Product number	Description
KLK 100	1132240	duct humidity transmitter
KLK 100-N	1132241	duct humidity transmitter with display