

## 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:

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
KLK 100	1132240	duct humidity transmitter
KLK 100-N	1132241	duct 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).