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DATA SHEET

LUK

Produal

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TEMPERATURE TRANSMITTER LUK V2

LUK V2 temperature transmitter is designed to detect temperature in HVAC applications. The temperature sensor is not delivered with the transmitter.

The temperature sensor can be any sensor that is equipped with Pt1000 sensor element. The transmitter converts the sensor element resistance information to 0…10 V signal. The temperature range can be chosen at the commissioning.

The transmitter settings can be changed by using the ML-SER commissioning tool. The tool can be used to make one point field calibration and to change the temperature output to controller output.

LUK-N V2 transmitter display resolution is 0.1 °C.



Selecting the measuring range

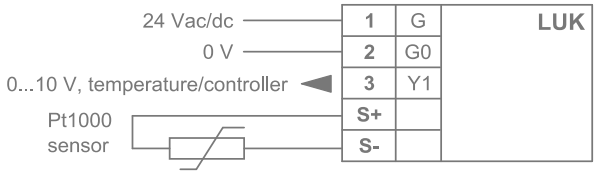
0...+50 °C	*0…+100 °C	-50…+50 °C	-50…+150 °C
S1 S2	S1 S2	S1 S2	S1 S2

* = Factory setting

Output signal

0…50	0…100	-50…50	-50…150	Signal
0 °C	0 °C	-50 °C	-50 °C	0 V
25 °C	50 °C	0 °C	50 °C	5 V
50 °C	100 °C	50 °C	150 °C	10 V

Wiring



Technical data

Supply	24 Vac/dc (22…30 V) < 1 VA
Sensor (not included)	Pt1000 EN 60751/B
Ranges	0...50 °C 0...100 °C -50…50 °C -50…150 °C
Accuracy	±0.5 °C (at 0 °C)
Output	0…10 Vdc, < 2 mA
Housing	
protection class	IP54 (cable gland downwards)
cable gland	2 x M16
dimensions (w x h x d)	106 x 102 x 46 mm
ambient temperature	-30…60 °C

Ordering guide:

Model	Product number	Description
LUK V2	1182240	temperature transmitter without sensor, 3-wire, 0…10 V
LUK-N V2	1182241	temperature transmitter with display and without sensor, 3-wire, 0…10 V
ML-SER	1139010	transmitter commissioning tool

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

Information is subject to change without prior notice.