TEMPERATURE TRANSMITTER LUK, WITHOUT SENSOR

LUK is a 3-wire temperature transmitter without sensor (Pt100), made for automatic HVAC systems to detect temperature.

Sensor may be any of Pt 100 sensors with a nominal resistance of 100 Ω/ 0 °C. The signal of the Pt100 element is converted into a 0…10V signal.

The range of the transmitter (factory setting: 0…+100 °C = 0…10V) can be changed at commissioning.

Housing is made of weather-proof uv-protected PC plastics (IP54).
Separate cable glands for a sensor and supply.

Terminal blocks tilted 45° and sufficient space in the housing make an easy installation.

Technical data:

Supply	24 Vac/dc < 1 VA
Sensor (not included)	Pt100 EN 60751/B
Output	0…10Vdc < 2mA
Accuracy	± 0,5 °C (at 0 °C)
Ranges	selectable
Housing	PC plastics, uv-protected
Protection class	IP 54, cable glands downwards
Cable glands	M 16
Dimensions w x h x d	115 x 115 x 45 mm
Transmitter	3-wire
Allowed ambient temperature	-50…60 °C

Terminals:

1		supply 24 Vac/dc
2		0 V
3		output 0-10 Vdc, ≤ 2 mA

Range / Temperature / Output:

0/50	0/100*	-50/50	-50/150	V
0	0	-50	-50	0
25	50	0	50	5
50	100	50	150	10
on	on*	off	off	S1
off	on*	on	off	S2

* 0/+100 = factory setting

Ordering guide:

Model	Product number	Description
LUK	1182200	3-wire 0...10V transmitter without sensor
LUK-N	1182201	3-wire 0...10V transmitter with display, without sensor

Products fulfil 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).