DATA SHEET

TEV LU

Produal

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WATER CIRCUIT TEMPERATURE TRANSMITTER TEV LU

TEV LU temperature transmitter is designed for air-handling unit radiator monitoring. The transmitter is suitable also for domestic water applications due the short time constant.

The temperature is detected by a Pt1000 sensor element. The sensor element resistance information is converted to a 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.

The transmitter can be equipped with a display that has resolution of 0.1 °C.



Selecting the measuring range

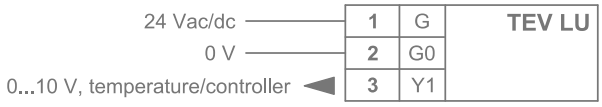
0...+50 °C	*0…+100 °C	-50…+50 °C	-50…+150 °C
S1 S2	S1 S2	S1 S2	S1 S2

* = 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 element	Pt1000 EN 60751/B
Ranges	0...50 °C 0...100 °C -50…50 °C -50…150 °C
Accuracy	±0.5 °C (at 0 °C)
Time constant	2.5 s
Output	0…10 Vdc, < 2 mA
Measuring probe	
dimensions	∅ 4 mm x 200 mm
material	stainless steel
mounting	R¼"
pressure class	PN 16
cable	2 m, LIYY 2 x 0.14
Housing	
protection class	IP54 (cable gland downwards)
cable gland	M16
Ambient temperature	-30…60 °C

Ordering guide:

Model	Product number	Description
TEV LU	1179020	3-wire, 0…10 V temperature transmitter
TEU-N V2	1170270	display cover for LL and LU transmitters
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.