

WATER CIRCUIT TEMPERATURE TRANSMITTER TEV LU

TEV LU temperature transmitter is designed for airhandling 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

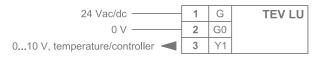
0+50 °C	*0+100 °C	-50+50 °C	-50+150 °C
S1 S2	S1 S2	S1 S2	S1 S2
• •		• •	• • •

^{* =} Factory setting

Output signal

050	0100	-5050	-50150	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

24 Vac/dc (22...30 V) < 1 VA Supply Sensor element Pt1000 EN 60751/B 0...100 °C Ranges 0...50 °C -50...50 °C -50...150 °C

Accuracy ±0.5 °C (at 0 °C)

2.5 s Time constant

Output 0...10 Vdc, < 2 mA

Measuring probe

dimensions Ø 4 mm x 200 mm material stainless steel R1/4" mounting PN 16 pressure class

2 m, LIYY 2 x 0.14 cable

Housing

IP54 (cable gland downwards) protection class

cable gland M16 -30...60 °C Ambient temperature

Ordering g	uide:	
Model	Product number	Description
TEV LU	1179020	3-wire, 010 V temperature transmitter
TEU-N V2	1170270	display cover for LL and LU transmitters

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).

ML-SER

1139010

transmitter commissioning tool