DATA SHEET

TEV LL

Produal

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WATER CIRCUIT TEMPERATURE TRANSMITTER TEV LL

TEV LL 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 4…20 mA 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

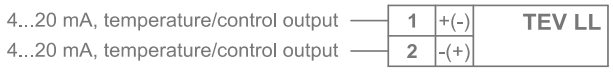
0...+50 °C	*0…+100 °C	-50…+50 °C	-50…+150 °C
S1 S2	S1 S2	S1 S2	S1 S2

* = Factory setting

Output signal

0…50	0…100	-50…50	-50…150	Signal
0 °C	0 °C	-50 °C	-50 °C	4 mA
25 °C	50 °C	0 °C	50 °C	12 mA
50 °C	100 °C	50 °C	150 °C	20 mA

Wiring





Technical data

Supply	15...35 Vdc	
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	4...20 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 LL	1177020	2-wire, 4...20 mA 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).

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