akribis

DATA SHEET

TEU LU

Produal

Distributed by AKRIBIS



OUTDOOR TEMPERATURE TRANSMITTER TEU LU

TEU LU temperature transmitter is designed to detect outdoor temperature in HVAC applications.

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

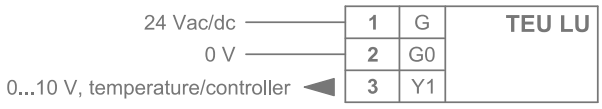
0...+50 °C	0…+100 °C	*-50…+50 °C	-50…+150 °C
S1 S2	S1 S2	S1 S2	S1 S2

* = 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)
Output	0…10 Vdc, < 2 mA
Housing	
protection class	IP54 (cable gland downwards)
cable gland	M16
dimensions (w x h x d)	115 x 115 x 45 mm
Ambient temperature	-30…60 °C

Ordering guide:

Model	Product number	Description
TEU LU	1179090	3-wire, 0…10 V outdoor 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).