akribis

DATA SHEET

TEKY4 LL

Produal

Distributed by AKRIBIS



COLD SPACE TEMPERATURE TRANSMITTER TEKY4 LL

TEKY4 LL temperature transmitter is designed for cold space temperature measurement in automatic HVAC systems.

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

4...20 mA, temperature/control output	1	+(-)	TEKY4 LL
4...20 mA, temperature/control output	2	-(+)	

Technical data

Supply	15...35 Vdc
Sensor element	Pt1000 EN60751/B
Ranges	0...50 °C 0...100 °C -50…50 °C -50…150 °C
Accuracy	±0.5 °C (at 0 °C)
Output	4...20 mA
Measuring probe	
sleeve	∅ 4 mm x 30 mm, stainless steel
cable	∅ 3.2 mm x 2.3 m
material	PVC
protection class	IP67
ambient temperature	-30…+80 °C
Housing	
protection class	IP54 (cable gland downwards)
cable gland	M16
ambient temperature	-30…60 °C

Ordering guide:

Model	Product number	Description
TEKY4 LL	1177330	2-wire, 4…20 mA temperature transmitter for cold spaces
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.