DATA SHEET

TEKY6-M

Produal

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PRODUAL
measure-be sure.

COLD SPACE TEMPERATURE TRANSMITTER TEKY6-M

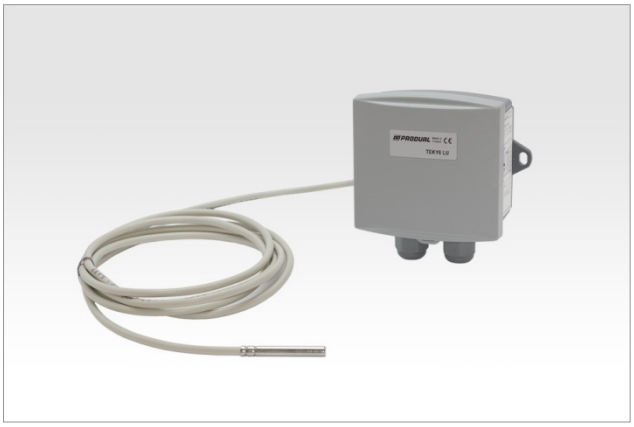
TEKY6-M temperature transmitter is designed for cold space temperature measurement in automatic HVAC systems.

The temperature is detected by a Pt1000 sensor element. The sensor element resistance information is converted to a 0...10 V signal. The temperature can also be read via Modbus. 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. Modbus parameters are also set by using the ML-SER tool.

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

Silicone cable version TEKY6S-M is available for more demanding conditions.



Selecting the measuring range

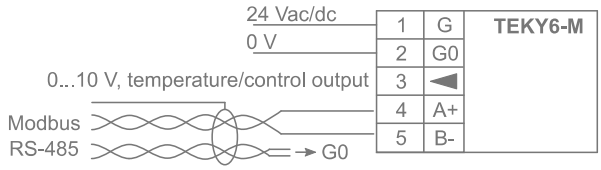
0...+50 °C	0…+100 °C	*-50…+50 °C	-50…+150 °C
S1 S2	S1 S2	S1 S2	S1 S2

* = 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 EN60751/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	
Communication	Modbus RTU (RS-485) 9.6*/19.2/38.4/56.0/57.6/ 76.8/115.2 kbit/s, 8 data bits, parity none*/odd/even	
Measuring probe		
sleeve	∅ 6 mm x 45 mm, stainless steel	
cable	∅ 5 mm x 2.3 m, 2 x 0.5	
material		
TEKY6-M	PVC	
TEKY6S-M	silicone	
protection class	IP67	
ambient temperature		
TEKY6-M	-30…+80 °C	
TEKY6S-M	-50…+150 °C	
Housing		
protection class	IP54 (cable gland downwards)	
cable gland	M16	
ambient temperature	-30…60 °C	

* = Factory setting

Ordering guide:

Model	Product number	Description
TEKY6-M	117Z320	Modbus temperature transmitter for cold spaces
TEKY6S-M	117Z340	Modbus temperature transmitter for cold spaces, silicone cable
TEU-N V2	1170270	display cover for transmitters
ML-SER	1139010	transmitter commissioning tool

Products fulfil the requirements of directive 2014/30/EU and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

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