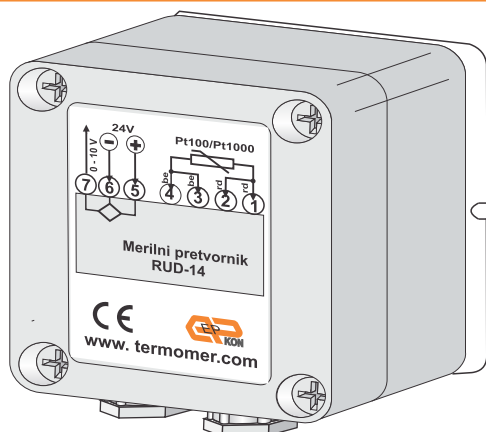


Digital transmitter with digital adjustment

RUD-14



Measuring transmitter type RUD-14 is used for converting resistance of Pt100/Pt1000 temperature sensors in 0-10 V voltage output signal.

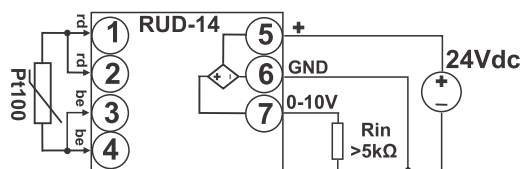
Housing of transmitter is made for mounting on the wall. Transmitter is powered from the current loop wherefore we use two-wire connection of transmitter.

The EPKON software application allows user to set the measuring range of transmitter, type of temperature sensor, filter etc.

TECHNICAL DATA

Measuring input:	sensor Pt100/Pt1000	2/3/4 wire connection
Sensor current:	500 μ A Pt100 / 250 μ A Pt1000	
Range limits:	Pt100 -200 $^{\circ}$ C .. 600 $^{\circ}$ C	programmable
	Pt1000 -100 $^{\circ}$ C .. 300 $^{\circ}$ C	programmable
	Pt1000 -100 $^{\circ}$ C .. 150 $^{\circ}$ C	with 4 wire connection
Filter:	none ,1, 2, 5, 10, 30 sek	programmable
Linearization:	> 0,1%FS	
Measurement accuracy:	> 0,2%FS	
Sampling rate:	6/s	
Temperature change settling time:	< 0,2s	
Supply voltage:	12 .. 36 Vdc	
Consumption:	< 1VA	
Output signal:	0 ... 10V	R>5k Ω
Resolution:	13 bit	
Probe break:	rising to > 10V	
Status signaling:	transmitter supply, probe break	LED
Operating temperature:	-40 .. +80 $^{\circ}$ C	
Temperature coefficient:	0,015K/ $^{\circ}$ C	
Mounting:	on the wall	
Housing:	ABS plastics	
Dimensions:	81 x 70x45 mm	
Protection grade:	IP 65	

CONNECTION DIAGRAM



LIST OF DOCUMENTATION

- Instructions for mounting and usage of transmitter RUD-14
- Programming
- Datasheet
- Declaration of conformity

inst-RUD14/1
inst-EPKON
DATASHEET-RUD14
izCE-RU/1



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