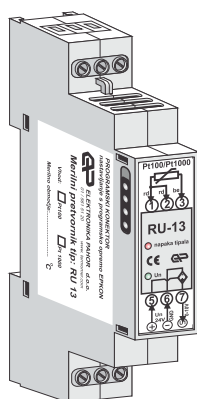


Digital transmitter with digital adjustment

RU 13



Measuring transmitter type RU-13 is used for converting resistance of Pt100/Pt1000 temperature sensors in 0 - 10V voltage output signal.

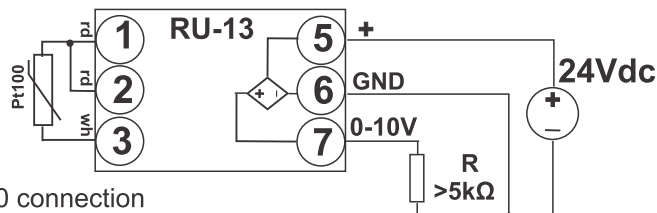
Housing of transmitter is made for mounting on DIN rail inside of control cabinets.

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

TECHNICAL DATA

Measuring input:	sensor Pt100 or Pt1000	2/3 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
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 coefecient	0,015K/ $^{\circ}$ C	
Mounting:	DIN rail	
Housing:	ABS plastika	
Dimensions:	90x60x17,5 mm	
Protection grade:	IP 20	

CONNECTION DIAGRAM



With two-wire Pt100 connection are clamps 1 and 2 short-circuited.

LIST OF DOCUMENTATION

- Instructions for mounting and usage of transmitter RU-13
- Programming
- Datasheet
- Declaration of conformity

inst-RU13/1
inst-EPKON
DATASHEET-RU13
izCE-RU10/1



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