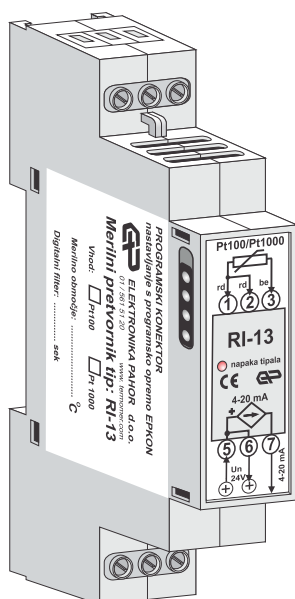


# Digital transmitter with digital adjustment

## RI 13



Measuring transmitter type RI-13 is used for converting resistance of Pt100/Pt1000 temperature sensors in 4 - 20 mA current output signal.

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

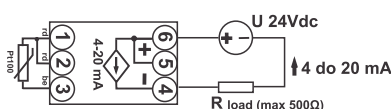
Transmitter is powered from the current loop wherefore we use two-wire connection of transmitter.

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 or Pt1000	2/3 wire connection
Sensor current:	500 $\mu$ A Pt100 / 250 $\mu$ 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:	<0,1FS	
Supply voltage (two-wire):	12 .. 36 Vdc	
Output signal:	4 .. 20 mA	
Probe break:	3,5 mA or 21,5 mA	Namur NE43
Temperature change settling time:	< 0,1s	
Operating temperature:	- 40 .. +80 $^{\circ}$ C	
Mounting:	DIN rail	
Housing:	ABS plastics	
Dimensions:	90x60x17,5 mm	
Protection grade:	IP 20	

### CONNECTION DIAGRAM



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

### LIST OF DOCUMENTATION

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

inst-RI13/1  
inst-EPKON  
DATASHEET-RI13  
izCE-RI10/1



www.termomer.com

ELEKTRONIKA PAHOR d.o.o.

Brnciceva 9a  
1231 Ljubljana-Crnuce  
SI-Slovenia, Europe

tel: +386 (0)1 561 51 20  
fax: +386 (0)1 561 13 308  
info@termomer.com