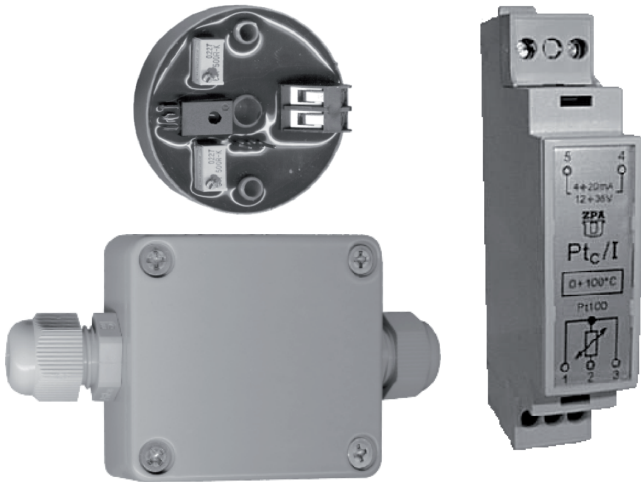


Type 09301



Current transmitter Pt_c/I for sensors Pt100

- for mounting into the head (H)
- in plastic box on the DIN rail (L)
- in metal box for mounting on the wall (S)

Characteristics

Input: - sensor Pt100

3-wire or 2-wire connection

Output: - current 4-20 mA

Current loop circuit power supply.

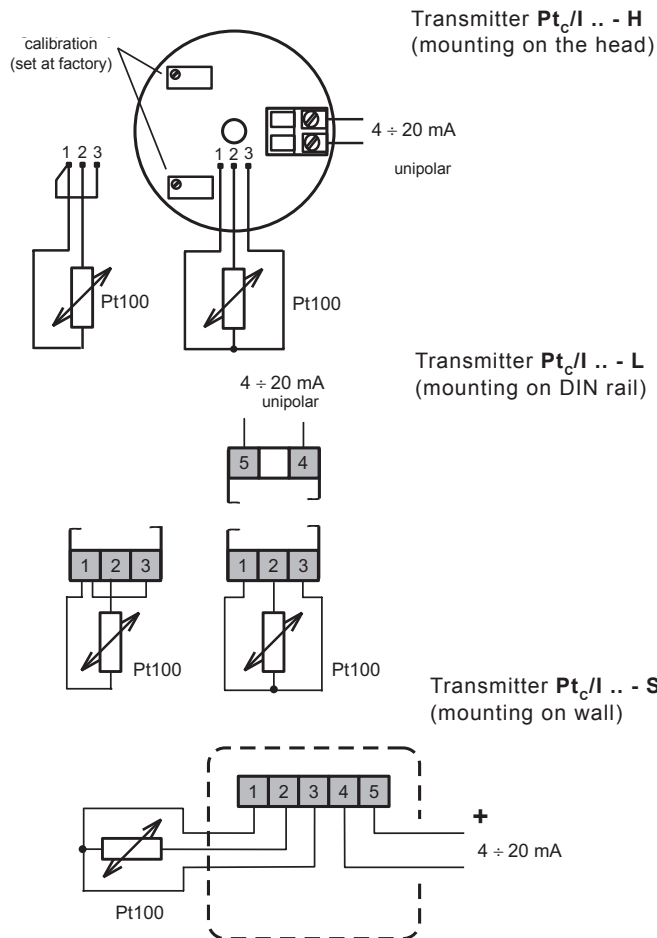
Indication of interruption or sensor wire short circuit.

Description - use

Current transmitter Pt_c/I .. transforms changes of sensor resistance Pt100 to current signal 4 ÷ 20 mA.

The device is supplied by the current loop circuit, sensor short circuit or input interruption is indicated by changed value of the output current outside the range.

Terminal connection

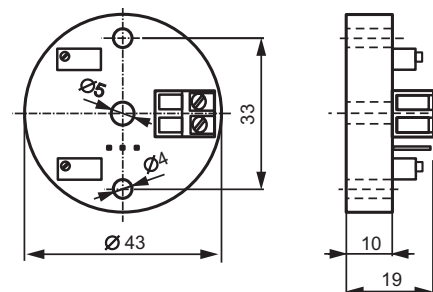


The connection cables must be fixed outside the transmitter in order to prevent their pulling out from the cable glands.

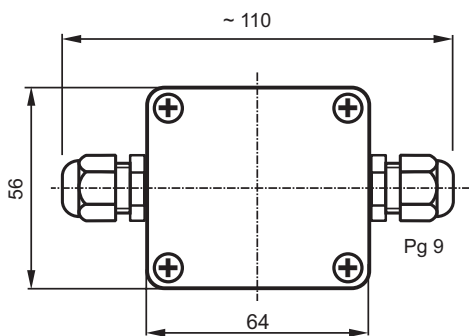
Technical data

Input:	Pt100, 3-wire (2-wire) connection
Measuring range:	min.: -50°C, max.: +400°C
Sensor current:	0.8 mA
Output:	4 ÷ 20 mA, passive
Voltage:	10 ÷ 36 V=
Accuracy (basic):	0,1 %
Non-linearity error:	0,05 %
Temperature dependence:	0,04 % / °C
Voltage dependence:	0,02 % / V
Max current:	34 mA (sensor interruption)
Min. current:	3.6 mA (sensor short circuit)
Connection:	wire: 1 mm ² , cable: Ø 3 ÷ 6 mm
Operating temperature:	-25°C, +75°C, humidity: = 80%
Ingress protection:	H - in the head - IP 00
	L - on DIN rail - IP 20
	S - on the wall - IP 65

Dimension drawing

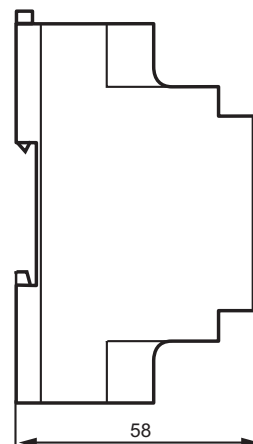
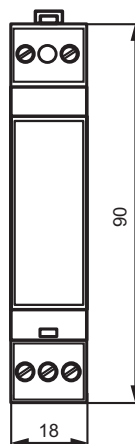
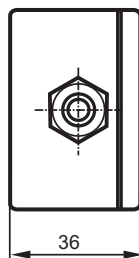


Transmitter Pt_c/I - H
(for main heads of temperature sensors, ingress protection IP 00)



Transmitter **Pt_c/I - S**
(mounting to wall, ingress protection IP 65)

Transmitter complies with the requirements of ČSN EN 50014:1998 in environment with low hazard of mechanical damage.



Transmitter **Pt_c/I - L**
(to DIN rail 35 mm, ingress protection IP 20).

Ordering devices

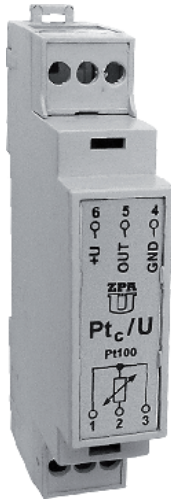
Code	Name																		
40 09301 90	Current transmitter Pt_c/I																		
	<table border="1"> <thead> <tr> <th>Code</th> <th>Design - mounting</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>H - mounting on the head</td> </tr> <tr> <td>20</td> <td>L - mounting on DIN rail</td> </tr> <tr> <td>30</td> <td>S - mounting on the wall</td> </tr> </tbody> </table>	Code	Design - mounting	10	H - mounting on the head	20	L - mounting on DIN rail	30	S - mounting on the wall										
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	<table border="1"> <thead> <tr> <th>Code</th> <th>Range</th> </tr> </thead> <tbody> <tr> <td>02</td> <td>-50°C to +150°C</td> </tr> <tr> <td>03</td> <td>-40°C to +60°C</td> </tr> <tr> <td>04</td> <td>-25°C to +80°C</td> </tr> <tr> <td>05</td> <td>0°C to 100°C</td> </tr> <tr> <td>06</td> <td>0°C to 180°C</td> </tr> <tr> <td>07</td> <td>0°C to 200°C</td> </tr> <tr> <td>08</td> <td>0°C to 300°C</td> </tr> <tr> <td>09</td> <td>0°C to 400°C</td> </tr> </tbody> </table>	Code	Range	02	-50°C to +150°C	03	-40°C to +60°C	04	-25°C to +80°C	05	0°C to 100°C	06	0°C to 180°C	07	0°C to 200°C	08	0°C to 300°C	09	0°C to 400°C
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08	0°C to 300°C																		
09	0°C to 400°C																		
40 09301 90	20 03 Ordered No.																		

Order example: 1 transmitter PT_c/I, design L
(on DIN rail), range -40 to +60°C.

Note: Transmitter with different measuring range can be supplied upon request.

Typ 09305

Voltage transmitter Pt_c/U 0 to 10 V for sensor $Pt 100$



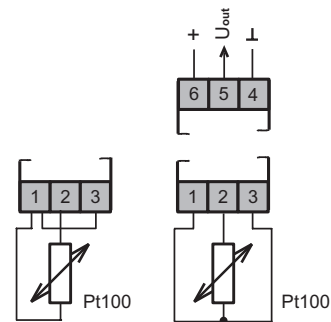
Characteristics

Input: - $Pt100$,
 in 3-wire or 2-wire connection
Output: voltage 0 to 10 V =
Mounting: on DIN rail

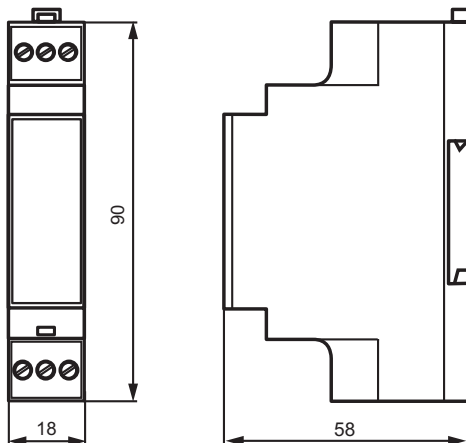
Technical data

Input: $Pt100$, 3-wire connection
Measuring ranges: min.: $-50^{\circ}C$, max.: $+600^{\circ}C$
Sensor current: 0.8 mA
Output: 0 ÷ 10 V=
Accuracy (basic): 0,1 %
Non-linearity error: 0,05 %
Temperature dependence: 0,04 % / $^{\circ}C$
Voltage dependence: 0,02 % / V
Supply 24 V= (20 ÷ 36 V=)
Operating temperature: $-25^{\circ}C$ ÷ $+75^{\circ}C$, humidity: ≤ 80 %
Ingress protection: IP 20
Mounting: on DIN rail 35 mm

Terminal connection



Device dimensions



Ordering devices

Code	Name	
40 09305 9020	Voltage transmitter Ptc/U	
	Code	Range
	02	$-50^{\circ}C$ to $+150^{\circ}C$
	03	$-40^{\circ}C$ to $+60^{\circ}C$
	04	$-25^{\circ}C$ to $+80^{\circ}C$
	05	$0^{\circ}C$ to $+100^{\circ}C$
	06	$0^{\circ}C$ to $+180^{\circ}C$
	07	$0^{\circ}C$ to $+200^{\circ}C$
	08	$0^{\circ}C$ to $+300^{\circ}C$
	09	$0^{\circ}C$ to $+400^{\circ}C$
40 09305 9020	05	Ordered No.

Order example: 1 transmitter Pt_c/U , range 0 to $100^{\circ}C$.

Note: Transmitter with different measuring range can be supplied upon request.

Warranty

24 months warranty is provided from the delivery date unless specified otherwise in the purchase contract.