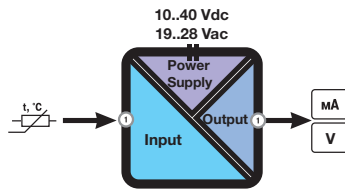


# Z109PT2

## RTD TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



Z109PT2 is a converter for Thermoresistance RTD (PT100, PT1000, PT500, Ni100) with 2,3,4 wires and provides a mA/V standard output signal. It's completely configurable through dip switches and software. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

### TECHNICAL SPECIFICATIONS

#### General Data

Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,5 W
Isolation	1.500 Vac (3 way)
Power transducers	Yes
Accuracy	0,1%
Response time	35 ms (11 bit)..140 ms (16 bit)
Status Indicators	Power supply, error, data transmission, data reception, input status
Setting	Dip- switches EASY_Z109 (PC software)
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-10..+60 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm

#### Input

Channel Numbers	1
RTD	Pt100, Pt500, Pt1000, Ni100 Measure 2, 3, 4 wires Range: -200..600 °C Resolution 0,1°C

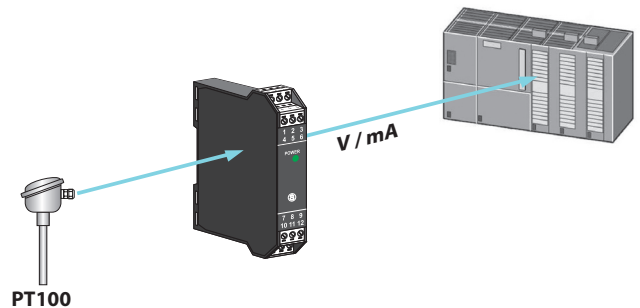
#### Output

Channel Numbers	1
Voltage	4 scales: 0..1, 0..5, 0..10, 2..10 V Min load resistance: 2.000 Ω
Current	2 scales: 0/4..20 mA (active/passive) Max load resistance: 600 Ω

#### Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

### APPLICATION NOTE



### ORDER CODES

Code	Description
Z109PT2	RTD to DC current/voltage isolator/converter, Power supply 10..40 Vdc / 19..28 Vac

### ACCESSORIES & SOFTWARE







**PM001601**  
Programming cable  
pg. 98



**EASY SETUP**  
Programming software  
pg. 98

### SIMILAR PRODUCTS

			
<b>K109PT</b> Pt100 converter pg. 106	<b>K121</b> Loop powered isolator / universal converter pg. 102	<b>Z109REG2</b> High performance universal converter pg. 78	<b>T121</b> Isolated loop powered temperature transmitter pg. 117