

# Z-LINE CONVERTERS AND INTERFACES

## Z109PT2

RTD to DC Current / Voltage isolator converter



### Input

RTD (PT100, PT500, PT1000, Ni100) with zero and span configurable by dip-switches

### Output

N.1 channel current 0..20, 4..20 mA; voltage 0..5, 1..5, 0..10, 2..10 Vdc

### Isolation

1500 Vac @ 3-way

### Connection

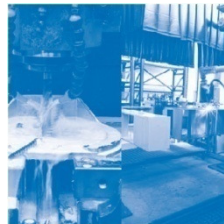
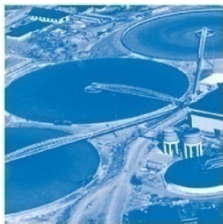
2,3,4 sensor input

### Mounting

Din rail

### Power supply

9..40 Vdc, 19..28 Vac

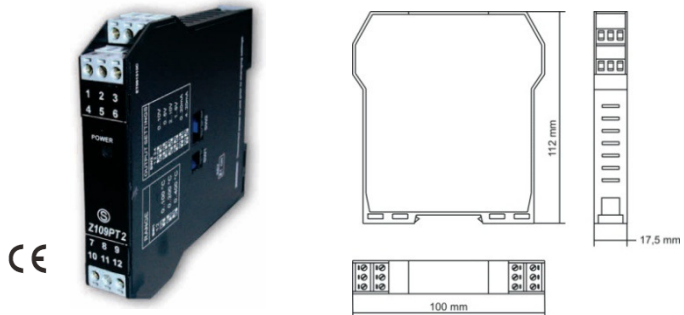


➔ For further information, please visit [www.seneca.it](http://www.seneca.it)

# Z109PT2

RTD to DC Current / Voltage isolator converter

## TECHNICAL DATA



### ORDER CODE

Z109PT2

RTD to DC current/voltage isolator converter

## GENERAL FEATURES

<b>Power supply</b>	9÷40Vdc, 19÷28 Vac
<b>Channels</b>	N.1
<b>Accuracy</b>	0,1%
<b>Status indicators</b>	- Power - Setting error - Off scale
<b>Galvanic Isolation</b>	Power supply // input // output at 1500 Vac, digital
<b>Hot swapping</b>	Yes
<b>Power consumption</b>	Max 2,5 W
<b>Sampling frequency</b>	35 ms
<b>Protections</b>	Surges: 400W/ms. Loop supply short-circuit protected
<b>Protection for inputs</b>	Except current: 60V continuous; current 200mA continuous
<b>Humidity</b>	30..90% a +40°C (non condensing)

<b>Design</b>	Terminal housing for mounting on 35 mm DIN 46277
<b>Data memory</b>	EEPROM for all configuration data; storage time: 10 years.
<b>DIP Switches</b>	- Inputs signal setup - Output signal setup
<b>Enclosure</b>	"V0" self-extinguishing glass filled nylon case
<b>Dimensions</b>	17,5 x 100 x 112 mm (w x h x d)
<b>Weight</b>	140 g
<b>Operating temperature</b>	-10..+60 °C
<b>Connections</b>	Plug-in screw clamp terminal blocks, wires up to 2.5 mm <sup>2</sup>
<b>IP Protection</b>	IP 20
<b>Standards</b>	EN50081-2 EN50082-2 EN61010-1
<b>Approvals</b>	CE

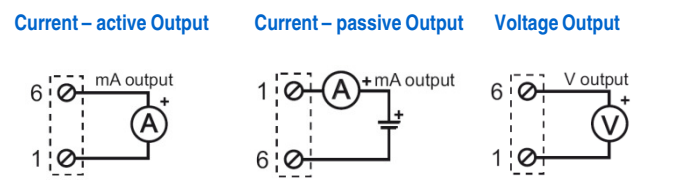
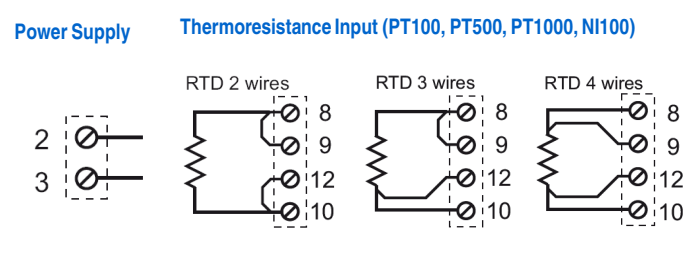
## INPUT

**Type** **Thermoresistance (RTD)** input PT100, PT500, PT1000, NI100; 2, 3 or 4 wires measurement, energising current 0.56 mA; resolution 0.1 °C, automatic detection of cable interruption or RTD

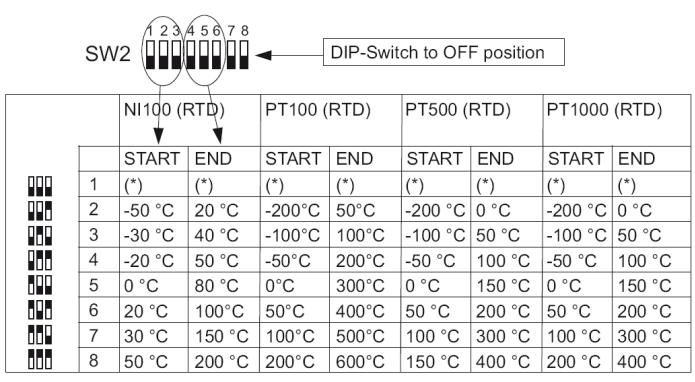
## OUTPUT

**Type** **Current:** 0..20 mA, 4..20 mA, 20..0 mA e 20..4 mA  
Higher load resistance: 600 Ohm  
**Voltage:** 0..5 Vdc, 1..5 Vdc, 0..10 Vdc and 10..0 Vdc  
Lower load resistance: 2,5 KOhm

## CONNECTIONS



## DIP SWITCHES CONFIGURATION



via Germania, 34 • 35127 Padova - Italy - Ph +39 049 87.05.359 (.408)  
Fax +39 049 87.06.287 • www.seneca.it • info@seneca.it

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