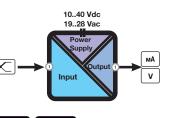
## **Z109TC2**



# **Z109TC2**

THERMOCOUPLE TO DC CURRENT / VOLTAGE ISOLATOR / CONVERTER



#### **FUNCTIONAL SCHEME**

**TECHNICAL SPECIFICATIONS** 

2 W

Yes

0.1%

IP20

1

1

Dip-switches

-20..+60 °C

35 mm DIN rail guide

17.5 x 100 x 112 mm

Type J, K, R, S, T, E,

B, N Resolution 5 µV

1.500 Vac (3 way)

**GENERAL DATA** 

Power consumption

Power transducers

Status Indicators

Response time

Protection Degree

Channel numbers

Channel numbers

Thermocouple

OUTPUT

Voltage

Current

Power supply

Isolation

Accuracy

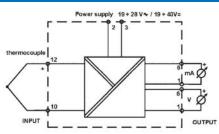
Setting

Mounting

Operating

INPUT

Temperature Dimension (W x H x D)



10..40 Vdc / 19..28 Vac / 50-60 Hz

35 ms con risoluzione ad 11bit 140 ms con risoluzione 16bit

Power supply, error, data transm., data reception, input status

CE

(H) us c **FL** u

#### Z109TC2 is a converter for Thermocouples TCs (J, K, E, N, S, R, B, T) and provides a mA/V standard output signal. It's completely configurable through dip switches. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

#### CONNECTIONS



Power voltage must be between 19 e 40 Vdc (either polarity), 19 e 28 Vac. In order to avoid critical damages please do not exceed the maximum. You need to protect 19..40 Vdc the power source from any failure of the module using an appropriately sized fuse.

INPUT thermocouple Retransmitted Retransmitted OUTPUT (V) OUTPUT (mA-active) OUTPUT (mA-passive)

Retransmitted









### **ACCESSORIES AND SOFTWARE**





(A)

Easy Setup Programming software

## SIMILAR PRODUCTS



TC to DC current/ Loop powered isolator / universal voltage isolator / converter converter (with trip alarm)

T121 Isolated loop powerd temp. transmitter

Z109REG2 Universal converter to DC current/voltage isolator converter

with alarm output

STANDARD	
Approval	CE
Norms	EN61000-6-4 (emissione elettromagnetica ambiente industriale) EN61000-6-2 (emissione elettromagnetica ambiente industriale) EN61010-1 (sicurezza)

2 scales: 0/4..20 mA (active/passive)

4 scales: 0..1, 0..5, 0..10, 2..10

V Min load resistance: 2.000  $\Omega$ 

Max load resistance: 600 0

Order Codes				
Codes			D	
Model	Z109TC2		Th	
Accessories		PM001601	Pr	

escription nermocouple to dc current/voltage isolator/converter PM001601 Programming cable



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