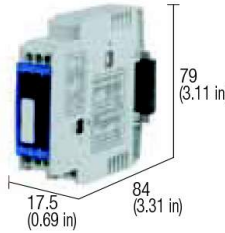


Программируемый преобразователь для термопары серии СWТН



Programmable converters for thermocouples

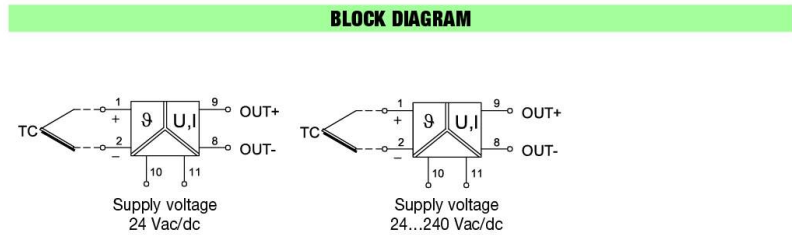
- Converters for sensors with thermocouples J and K type
- 3 ways galvanic isolation
- 8 programmable input range
- 3 programmable output range
- Simple programming
- Version with 24-240 Vac/dc supply voltage



NOTES

The dimensions includes the DIN clamp.

- (1) Adjustable via rotary-switch
- (2) Adjustable via dip-switch
- (3) range 16.8...30 Vdc / 19.2...28.8 Vac
- (4) range 16.8...264 Vdc / 19.2...264 Vac
- (5) *3-way isolation: IN/OUT/power supply



VERSIONS

24 Vac/dc supply voltage
24-240 Vac/dc supply voltage

Cat. No. X756844
CWTH 6-0844

Cat. No. X756847
CWTH 6-0847

APPLICATIONS

INPUT TECHNICAL DATA

Input signal
Temperature range (1)

Supply current

thermocouples FeCuNi (J type) e NiCrNi (K type) according to DIN/IEC584-1

-50...+200°C (-58...+392°F)
-50...+350°C (-58...+662°F)
0...+200°C (+32...+392°F)
0...+400°C (+32...+752°F)
0...+600°C (+32...+1112°F)
0...+800°C (+32...+1472°F)
0...+1000°C (+32...+1832°F)
0...+1200°C (+32...+2192°F)

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-50...+200°C (-58...+392°F)
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0...+1200°C (+32...+2192°F)

The modules convert and isolate signals generated by thermocouples type J (FeCuNi) or K (NiCrNi) into an analog signal; can be set into 8 temperature input ranges, and can be set for up to 3 most important analog ranges. The set up is possible by setting a dip-switch on one side of the module. The modules provide input and output isolation, assuring high signal accuracy, and can be used with isolated and not isolated sensors.

OUTPUT TECHNICAL DATA

Output signal (2)
Applicable load

0...10 V
0...20 / 4...20 mA
>1 KΩ with output voltage,
<400 Ω with output current

0...10 V
0...20 / 4...20 mA
>1 KΩ with output voltage,
<400 Ω with output current

GENERAL TECHNICAL DATA

Supply voltage
Rated current
Accuracy
Transmission frequency
Temperature coefficient
Isolation
ECM standards
Reference Standard
Overvoltage category/Pollution degree
Protection degree
Operating temperature range
Connection terminal
Housing material
Approx. weight
Mounting information

24 Vac/dc (3)
≤ 35 mA ± 10% @ 24 Vdc
<0.5% FS
<30 Hz
0.015% / K FS
1.5 kVAc / 60 s (5)
EN 50081-2, EN 50082-2
IEC 664-1, DIN VDE
III / 2
IP20
-20...+60°C
2.5 mm² fixed screw type
Noryl UL94V-0
65 g (2.29 oz)
vertical on rail adjacent without gap

24-240 Vac/dc (4)
≤ 35 mA ± 10% @ 24 Vdc
<0.5% FS
<30 Hz
0.015% / K FS
4 kVAc / 60 s (5)
EN 50081-2, EN 50082-2
IEC 664-1, DIN VDE
III / 2
IP20
-20...+60°C
2.5 mm² fixed screw type
Noryl UL94V-0
75 g (2.65 oz)
vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5
Mounting rail type according to IEC60715/G32
Plug-in jumper (16 poles, 16 A)

red
white
blue

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

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