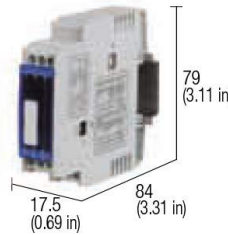


Программируемый преобразователь для RTD сенсора серии CWPT



Programmable converters for RTD sensors

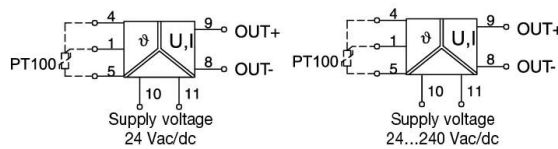
- Converters for PT100 sensors
- 3 ways galvanic isolation
- 8 programmable input range
- 3 programmable output range
- Simple programming
- Version with 24-240 Vac/dc supply voltage



NOTES

- The dimensions includes the DIN clamp.
- (1) Adjustable via rotary-switch
 - (2) Adjustable via dip-switch
 - (3) They can also be used with 2 wire PT100 sensor, connecting the terminals 1 and 4
 - (4) range 16.8...30 Vdc / 19.2...28.8 Vac
 - (5) range 16.8...264 Vdc / 19.2...264 Vac
 - (6) 3-way isolation: IN/OUT/power supply

BLOCK DIAGRAM



VERSIONS

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

Cat. No. X756816

CWPT 6-0816

Cat. No. X756817

CWPT 6-0817

APPLICATIONS

The modules convert and isolate signals generated by 3 wire / 2 wire PT100 (RTD) sensors into analog signals; the module can be set into 8 temperature ranges and for up to 3 most important analog ranges. Set up is easily achieved 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. Two wire sensors can be used by connecting a jumper wire between 1 and 4 terminal blocks.

INPUT TECHNICAL DATA

Input signal	PT100 3 wires (3)
Temperature range (1)	-50...+50°C (-58...+122°F) -50...+100°C (-58...+212°F) -50...+150°C (-58...+302°F) 0...+100°C (+32...+212°F) 0...+150°C (+32...+302°F) 0...+200°C (+32...+392°F) 0...+300°C (+32...+572°F) 0...+400°C (+32...+752°F)
Supply current	0.5 mA

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Supply current	0.5 mA

OUTPUT TECHNICAL DATA

Output signal (2)	0...10 V
Applicable load	0...20 / 4...20 mA >1 KΩ with output voltage, <400 Ω with output current

OUTPUT TECHNICAL DATA

Output signal (2)	0...10 V
Applicable load	0...20 / 4...20 mA >1 KΩ with output voltage, <400 Ω with output current

GENERAL TECHNICAL DATA

Supply voltage	24 Vac/dc (2)
Rated current	≤ 35 mA ± 10% @ 24 Vdc
Accuracy	<0.3% FS
Transmission frequency	<30 Hz
Temperature coefficient	0.015% / K FS
Isolation	1.5 kVdc / 60 s (6)
ECM standards	EN 50081-2, EN 50082-2
Reference Standard	IEC 664-1, DIN VDE
Overvoltage category/Pollution degree	III / 2
Protection degree	IP20
Operating temperature range	-20...+60°C
Connection terminal	2.5 mm² fixed screw type
Housing material	Noryl UL94V-0
Approx. weight	75 g (2.65 oz)
Mounting information	vertical on rail adjacent without gap

GENERAL TECHNICAL DATA

Supply voltage	24-240 Vac/dc (3)
Rated current	≤ 35 mA ± 10% @ 24 Vdc
Accuracy	<0.3% FS
Transmission frequency	<30 Hz
Temperature coefficient	0.015% / K FS
Isolation	4 kVdc / 60 s (6)
ECM standards	EN 50081-2, EN 50082-2
Reference Standard	IEC 664-1, DIN VDE
Overvoltage category/Pollution degree	III / 2
Protection degree	IP20
Operating temperature range	-20...+60°C
Connection terminal	2.5 mm² fixed screw type
Housing material	Noryl UL94V-0
Approx. weight	85 g (3.00 oz)
Mounting information	vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail type according to IEC60715/G32	—
Plug-in jumper (16 poles, 16 A)	red white blue

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Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
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