RTD Transmitter

RT95

- Linearizing for Pt100 sensor
- Programmable range
- Isolated input to output to Power Supply
- True lead length compensation

RTD transmitter RT95 are compactly designed for converting the variations of resistance in a Pt100 temperature sensor to a linearized and isolated DC. voltage or current output. They provide constant current excitation and true lead length compensation when used with a 3-wire RTD, which can be located at a considerable distance from the transmitter.

Specifications

RTD Input

Number of Channel: 1 Channel
Input type: Pt100 DIN or JIS (3 Wire Connection)
Input range:
Rangeable zero from -100 ˚C to 100 ˚C
Rangeable span from 15 ˚C to 500 ˚C
Other types of RTD input available Cu100, Pt1000
Input impedance: Lead wire resistance 5 Ω /wire max.

Analog Output

Number of Channel: 1 Channel
Output type: Current, Voltage
Output range:
Current (4 to 20 mA)
Voltage (0 to 5, 1 to 5, 0 to 10 VDC)
Linearity: < ± 0.2% of span
Output Load Resistance:
Current (Max 1000 Ω load)
Voltage (Min. load 1000 Ω load)
Isolation voltage: 500 VAC Between input, output and power supply (1min. test)

Power Requirements

Power Supply: 100, 110, 220 VAC (24 VDC Optional)

Environmental Limits

Operating Temperature: 0 to 55 °C
Operating Humidity: 5 to 95% RH
Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W50 x H70 x D130mm.
Mounting: Wall or DIN rail
Connection: Plug - in 11 pins socket

Warranty

Warranty Period: 5 Year

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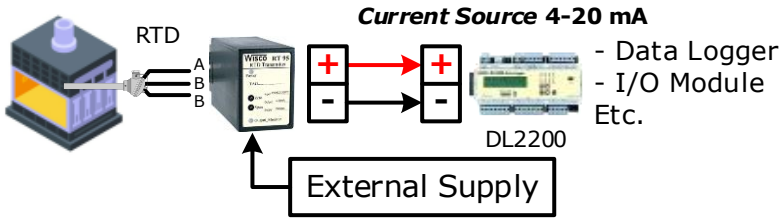
Ordering Information: Specify sensor type, input range, output, power supply

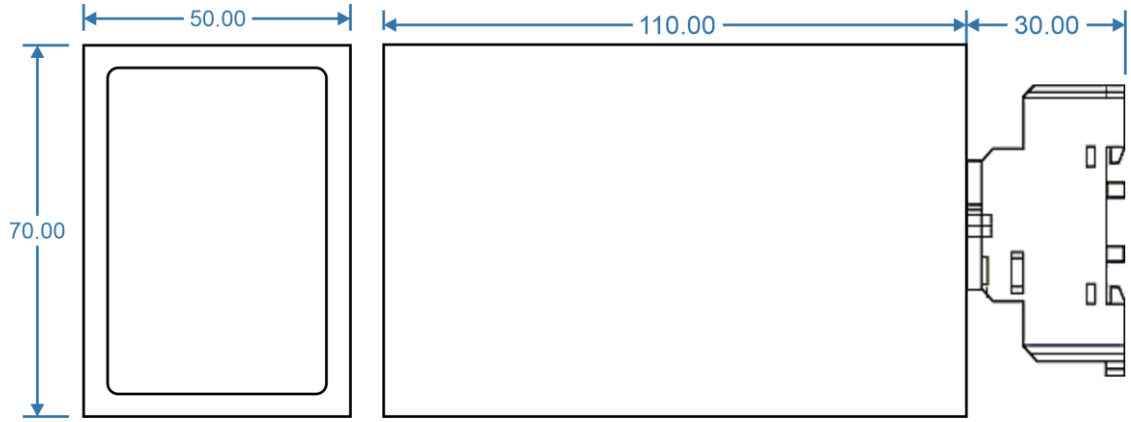
Example RT95/Pt 100/0-200 C/4-20 mA/220 VAC

Package Checklist

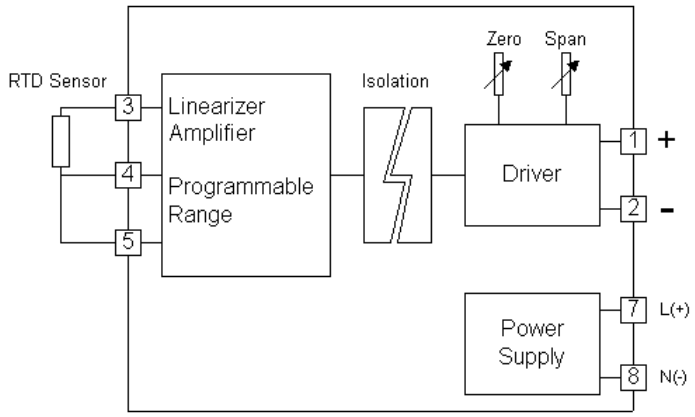
1. RT95



Dimension (Unit: mm.)



Wiring



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