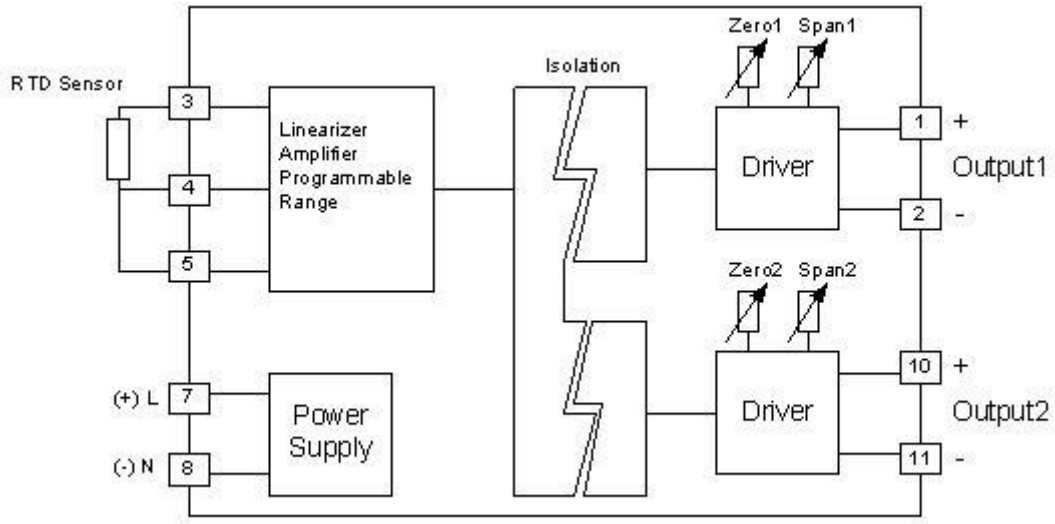
RTD Transmitter

RT98

- Linearizing for Pt 100 sensor
- Programmable range
- 2 Isolated outputs
- Isolation input to output to power supply
- True lead length compensation

RTD Transmitter RT98 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.



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Specifications

RTD Input

Number of channel: 1 Channel

Input type: RTD

Input range:

Pt 100 DIN or JIS (3 wire type)
Lead wire resistance 5 Ω/wire max.
Rangeable zero from (-)100°C to 100°C
Rangeable span from 15 °C to 500 °C
Other types of RTD input available Cu100, Pt1000

Output

Number of channel: 2 Channels

Output type: Current, Voltage

Output range:

Current (0 to 20, 4 to 20 mA)
Voltage (0 to 1, 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 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

Ordering Information: Specify sensor type, input range, output1, output2, power supply

Example RT98/Pt 100/0-200 C/4-20 mA/1-5 VDC/220 VDC

Package Checklist

1. RT98

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