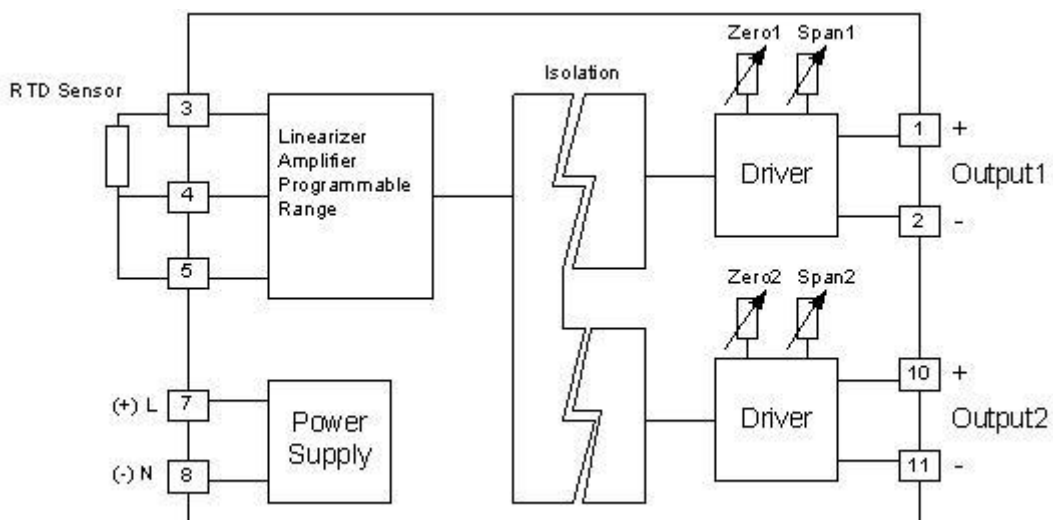


# RTD Transmitter RT98



- 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.



## 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  $\Omega$ /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:** <  $\pm$  0.2% of span

**Output Load Resistance:**

Current (max. 1000  $\Omega$  load)

Voltage (min 1000  $\Omega$  load)

**Isolation voltage:** 500 VAC Between  
input,output and power supply (1min. test)

**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

### 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