

# 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

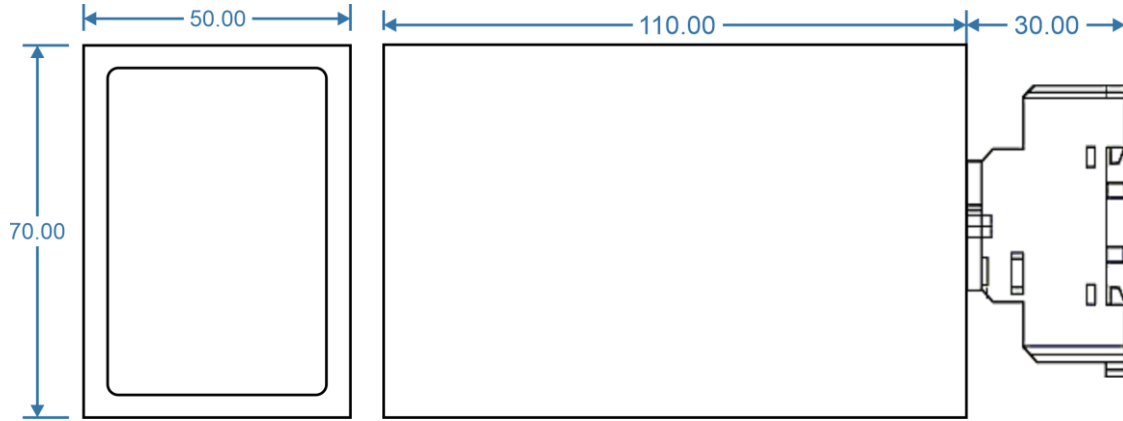
**Ordering Information:** Specify sensor type, input range, output, power supply

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

**Package Checklist**

1. RT95

**Dimension (Unit: mm.)**



**Wiring**

