TXR-01-D Operation Manual

RTD Pt100, Simplex, DIN-Rail Mounting
2-Wire Temperature Transmitter

CONNECTION DIAGRAM

4~20mA Output

+ –
Loop

○ Zero
○ Span

PPI TXR-01-D

Pt-100

Sensor Input

DIMENSIONS (mm)

Front View

49mm

22mm

Side View

34mm

35.5mm

75mm

87.5mm
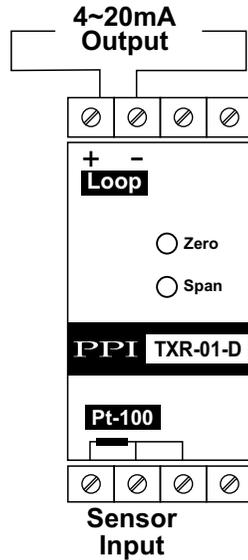
107mm
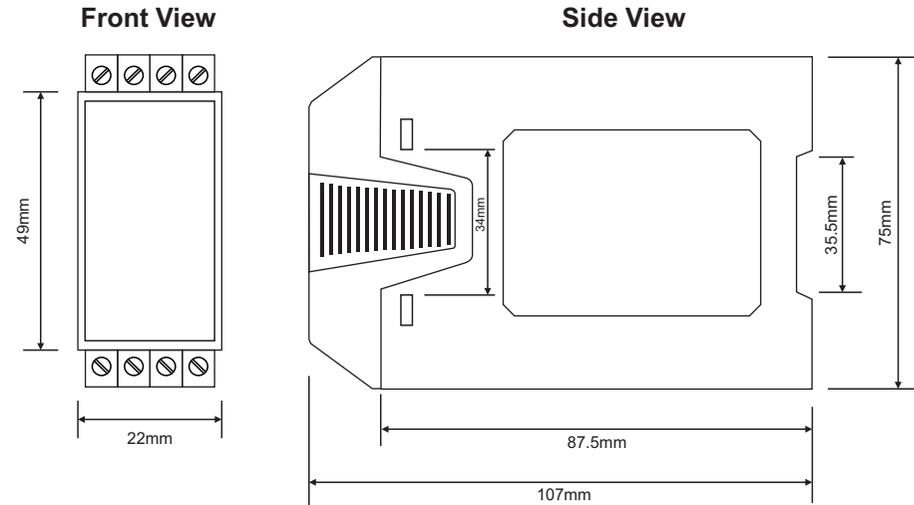
Overall Dimensions : 22(W) X 75(H) X 107(D), mm

SENSOR WIRING DIAGRAM

Figure 1

1   2   3
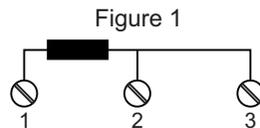
For 3-Wire configuration, connect single leaded end of RTD bulb to terminal 1 and the double leaded ends to terminal 2 and 3 (interchangeable) as shown in Figure.

For 2-Wire configuration, connect RTD bulb across terminals 1 & 2 (interchangeable).

Zero Adjustment : Within ± 1.2% of Range through multi-turn trimpot.
         Example : For 0 to 400°C, 0.012*(400°C - 0°C) = ± 4.8°C

Span Adjustment : Within ± 12% of Range through multi-turn trimpot.
         Example : For 0 to 400°C, 0.12*(400°C - 0°C) = ± 48°C

LOOP WIRING DIAGRAM

POWER SUPPLY
12 to 36 VDC

⊕   ⊖

LOAD

LOOP

+   -

M

Indicator/
Controller/
PLC/
Recorder/
etc.

⊖

⊕

4 to 20mA
(Output)