

Technical Information

Temperature Transducer



Introduction :

It is a precision grade transducer is used for galvanically isolated measurement of Temperature using a PT – 100 Sensor. The input is in the form of Resistance and provides a Stable, Ripple-Free and Optically Isolated DC load independent output in the form of current or voltage. The transducer is fully solid state. Use of latest circuit techniques and quality components ensure reliable operation over long period.

Specifications :

| | |
|------------------------|---|
| Auxiliary Power Supply | AC Powered : 110 Or 240 V AC (+/-)20%, 50 Hz DC Powered : 24, 48, 110 Or 220 V DC (+/-)20% |
| Input Range | PT – 100 Input, 3 Wire Type For Temperature Range, please contact Factory |
| No.of Outputs | One No. or Two Nos. |
| Output Range | 0 – 1, 0 – 10, 0 – 20, 4-20 mA DC, 0 – 5, 0 – 10 V DC |
| Accuracy | ± 0.5% of Span. |

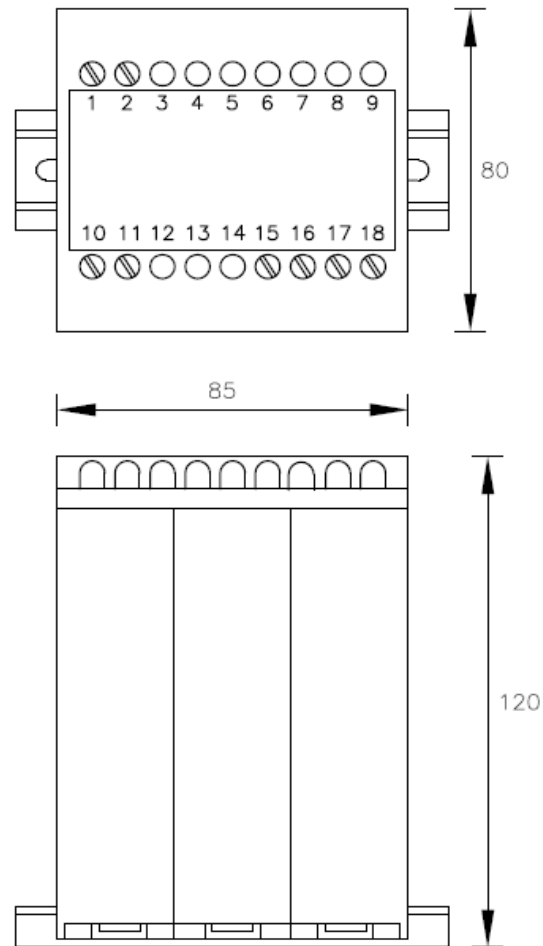
Operating Instructions :

The Transducer is to be mounted either on Panel Wall or on a 35 mm DIN Rail as ordered. The electrical connections are to be done as per the wiring diagram provided on the specification sticker located on side of the enclosure. For Auxiliary Power Supply ensure that proper rated supply voltage is connected. Also ensure proper polarity incase of DC Power Supply. While wiring DC output signal, ensure proper polarities.

Applications :

- Boiler House
- Measurement of Indoor or Outdoor Temperature
- Transformer Oil Temperature
- Transformer Winding Temperature
- Chiller and Condenser Unit
- SCADA

Dimensional Drawing :



Wiring Diagram :

Temperature Transducer

