

Technical Information

Transformer Tap Position and Resistance Transducer



Introduction :

It is a precision grade transducer is used for galvanically isolated measurement of Transformed Tap or Resistance (2 Wire or 3 Wire). It measures the value of resistance on tap position changers, typically used on high voltage transformers. Each position on the selector has an equal value of resistance so that as the tap position is increased or decreased the value of resistance increases or decrease respectively. 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.

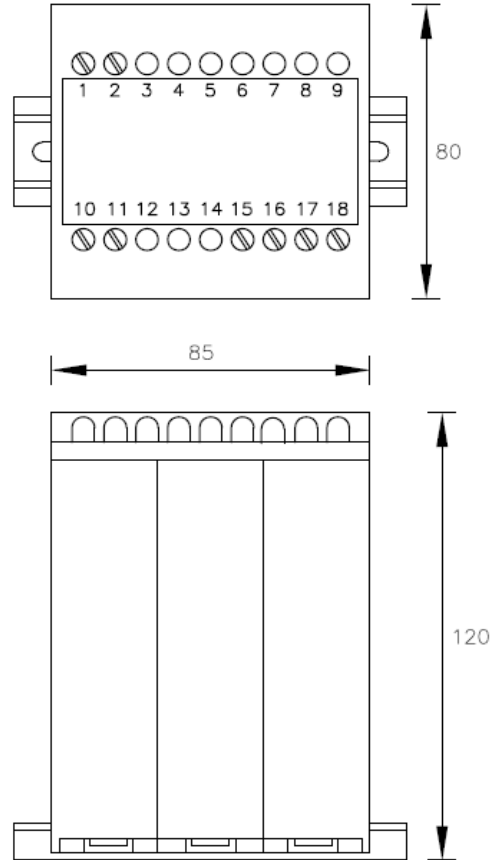
Specifications :

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	Tap Input : 0 – 1.7 KOhm, 0 – 17 KOhm Resistance Input : Please Specify the range (2 Wire or 3 Wire)
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 :

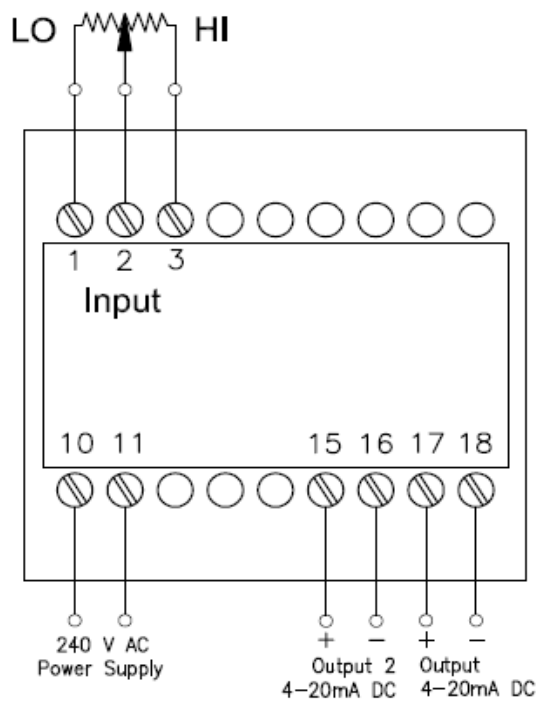
The Transducer is to be mounted either on Panel Wall or on a 35 mm DIN Rail as ordered. The electrical connections are to be done as per the wiring diagram provided on the specification sticker located on side of the enclosure. For Auxiliary Power Supply ensure that proper rated supply voltage is connected.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

Dimensional Drawing :



Wiring Diagram :

Transformer Tap Position Transducer



Resistance Transducer

