TECHNICAL DATA SHEET FOR D1 PTC 3 / D1 PTV3

2 WIRE TYPE AC CURRENT OR VOLTAGE TARNSDUCER

Introduction:

The Transducer converts the A.C. Input current or Voltage signal to a 4-20mA D.C. Output.
The output is directly proportional to the input signal. 2 Wire Transducer obtain the power to operate from the 4-20mA output circuit to which they are connected, and therefore require no separate auxiliary supply. It is average sensing RMS calibrated current Transducer. 2 Wire Transducers have an advantage over conventional auxiliary powered transducer, because no separate auxiliary is required, savings in the cost of providing a separate auxiliary supply and wiring are made. The above Transducer can be used to measure current or voltage in energy management systems, switchboards, generator and telemetery controls. Isolation of 2 KV is provided between the input and output signal, allowing the output to be fed to conventional analogue meters, digital meters, PLC, and computer systems.

Apllications :

*MCC Panel
*Metering Panel

Technical specifications:

Auxiliary Supply	7.5 - 36 V DC, 2 Wire Type (Mostly 24 V DC)
Power Consumption	Less than 1 VA
Sensor	N.A.
Input Value I in	0 – 1 A / 0 – 5 A AC for D1 PTC3
V in	0 – 150 V, 0 – 300 V, 0 – 500 V AC or any user range for D1 PTV3
Resistance Type	N.A.
DC Output (Single / Dual)	4 - 20 mA DC
No of Signal Output	Single
Response Time	Less than 500 mSec.
Input / Output Isolation	2 KV 50 Hz for 1 min.
Temperature	0 – 55 Deg.C.
Humidity	95% RH Non-condensing
Accuracy	(±)0.5% of Span
Enclosure	D1
Dimensions (L x W x D) (mm)	30 X 80 X 120
Weight	100 gms.

Wiring Diagram