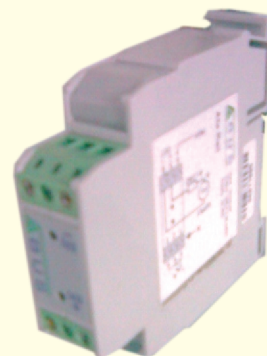


SERIES : ADT 6001

2 Wire TEMPERATURE TRANSMITTER Universal Input DIN Rail mounted.

- Sensor Input** : User defined. The supported sensors are listed in table 01, along with their maximum ranges.
- THERMOCOUPLE** : Types **J, K, R, S, T, N** and **E** to IEC 60584 (ITS090) Impedance >> 1MΩ
- Pt-100** : Excitation : 180μA.,
2 or 3- Wire connection (for 2-Wire Sensors, tie terminals 2 & 3 together)
 $\alpha=0.00385$, according to IEC 60751 (ITS-90)
- Voltage** : **0 a 50mVdc, Impedance >1M Ω**



Sensor Type	Range	Minimum measurement span
Thermocouple K	-0 to 1370°C	100°C
Thermocouple J	-0 to 760°C	100°C
Thermocouple R	-0 to 1760°C	400°C
Thermocouple S	-0 to 1760°C	400°C
Thermocouple T	-0 to 400°C	100°C
Thermocouple N	-0 to 1300°C	100°C
Thermocouple E	-0 to 720°C	100°C
Pt -100	-200 to 530°C	40°C
Voltage	0 to 50mV	5mV

- Calibration Range** : 0 - 200°C
- Output** : 2-Wire 4-20mA, liner with respect to the measured temperature
- Total Accuracy** : Better than 0.25% of the maximum range for the thermocouple
And 0.15% for Pt-100 and voltage
- Response Time** : < 100ms.
- Resolution** : 0.004 mA (12bits)
- Power Supply** : 18 to 30V dc. Across the transmitter Where : Vdc=Power supply voltage
- Maximum Load (RL)** : $RL (max) + (V_{cc} - 12) / 0.02$ (Ohm)
- Operating Temp.** : 40 to 85°C
- Humidity** : 0 a 90% RH
- Electromagnetic Compatibility** : EN 50081-2, EN 50082-2
- No Isolation** : between the sensor and the 4-20mA loop Internal protection against polarity inversion Cold junction compensation for thermocouples
- Housing** : ABS plastic.
- Plastic Size** : 77 (H) x 10(W) x 72 (L)

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PROCESS CONTROL INSTRUMENTATION

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