

# HEAD MOUNTED UNIVERSAL TEMPERATURE TRANSMITTER



IPS-TT-02

## Special Features

- Programmable Universal Input (RTD /  $\Omega$  / Thermocouples / mV / V) Linear Signal Output
- Current Loop Powered
- PC Based Configuration via USB Cable
- High Accuracy and Repeatability

## Application

Food & beverage, pharmaceutical, chemical & petrochemical industries, conventional & nuclear plants, pumps, presses, turbines, hydro-cleaning machines, diesel engines & refrigerating plants.

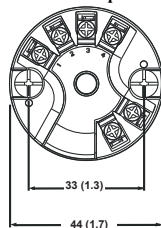
## Specifications

Input RTD	: Pt-50, Pt100 (2W / 3W / 4W), Pt-500, Pt-1000
Thermocouples	: Type B, E, J, K, N, R, S, T $\Omega$ 0 ~ 500 $\Omega$ , 0 ~ 4500 $\Omega$ mV-120 ~ 120 mV, -1000 ~ 1000 mV
Output	: 4 - 20 mA, two wire
Accuracy Storage	: $\pm 0.1\%$ of the calibrated span
Temp. Operating	: -40°C to 120°C
Temp.	: -40°C to 85°C
Calibration	: Configuration with PC via USB Cable
Isolation	: Input / Output Isolation Tested to 500 VAC rms (707 VDC) at 50 / 60 Hz
Loop Supply	: 24V DC nominal (12 to 36)V DC
Loop Resistance	: 600 $\Omega$ @ 24V DC
Burn Out	: Upscale for RTD PT-100 / Thermocouples
Protection	: IP68
Update Rate	: 0.5 sec
Turn On Time	: 5 sec after power is applied
Minimum Span	: 10 °C / 18 °F
Agency Approval	: CE

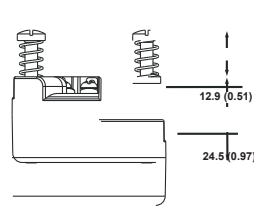


## Dimensions

T148R Top View

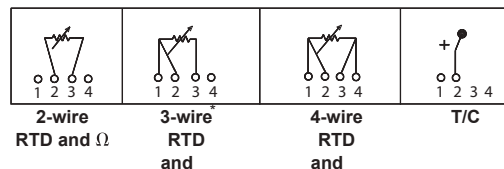


T148R Side View



Dimensions are in millimeters (inches)

## Wiring Drawing



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