

Applications & Features

- Apply for indoor environment temperature measurement
- High performance thermistor & RTD, ensure accurate temperature measurement
- Multiple output optional, Light and state of art housing, easy installation
- Over voltage and reverse polarity protection, high reliability and anti-interference capability
- Wide temperature range and fast response
- All electrical terminals are on the inside bottom, avoid any possible destroy to PCB when wiring(for T/TT1N)

Specifications

T1/T1N series temperature sensor

Sensor: thermistor or RTD, see models

Output: thermistor or RTD, see models

Accuracy: typical 0.2~0.4°C @ 25°C, see models

Wiring: 2 wires or 3 wires (RTD)
(3 wires connection could obtain better accuracy)

TT1/TT1N series temperature transmitter

Sensor: PT1000, Class A

Range: see models

Output: 4~20mA (2 wires) or 0-10VDC

Output Load: $\leq 500 \Omega$ (current), $\geq 2K \Omega$ (voltage)

Accuracy: $< \pm 0.5^\circ\text{C}$ @ 0-50°C, see accuracy curve

Power: Current 18.5~35VDC ($R_{load}=500\Omega$)

8.5~35VDC ($R_{load}=0\Omega$)

Voltage 15~35VDC, 15~28VAC

Work Temp.: 0~85°C, 0~95%RH(Non condensing)

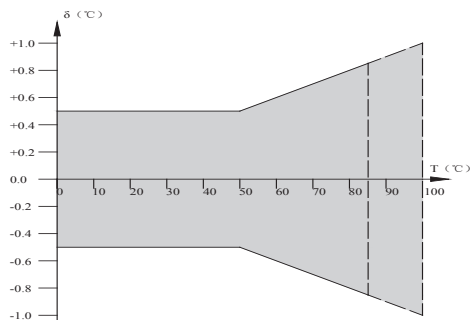
Storage Temperature: 0~85°C

Housing: fireproof ABS

Protection: IP30

Approval: CE

TT1/TT1N accuracy curve:



Models

T1/T1N series wall mount temp. sensor

Model	T1	T1N	Temp. sensor
Thermistor or RTD		3	PT1000, $\pm 0.2^\circ\text{C}$ @ 25°C
		4	PT100, $\pm 0.2^\circ\text{C}$ @ 25°C
		5	NTC20K, $\pm 0.4^\circ\text{C}$ @ 25°C
		6	Ni 1000, $\pm 0.4^\circ\text{C}$ @ 25°C
		7	NTC10K-II, $\pm 0.4^\circ\text{C}$ @ 25°C
		9	NTC10K-III, $\pm 0.4^\circ\text{C}$ @ 25°C
		A	NTC10K-A, $\pm 0.4^\circ\text{C}$ @ 25°C

TT1/TT1N series wall mount temp. transmitter

Model	TT1	TT1N	Temp. transmitter
Output		1	0-10VDC
		2	4-20mA (2 wires)
Range		1	0-50°C
		2	0-100°C