



TT - 04H

SMART TEMPERATURE TRANSMITTER

Features

- 4–20 mA HART Compatible
- Single–Sensor and Dual–Sensor Inputs
- Enclosure Protection Class IP–67
- Electronics Enclosure : Die Cast Aluminum / SS
- Enhanced display with Local Operator Interface
- Differential, Average & Redundant temperature measurement

Description

Electronet Series TT-04H are temperature transmitters used for various industrial applications. It can accept input from RTD, all types of thermocouples & temperature signal is transmitted in the form of electrical 4 – 20 mA signal. The on–line temperature indication is provided through LCD. Span / Zero adjustments are easily accessible .



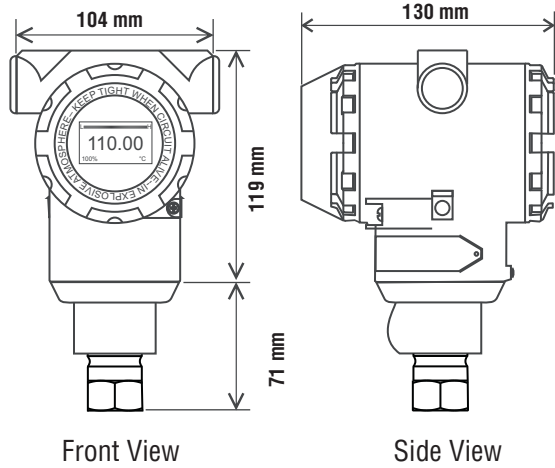
Technical Specifications

Type of Input	1) RTD (PT–100/PT–200) 2) Thermocouple (B, E, J, K, R, S, T)
Output	4–20 mA, 4–20 mA with HART
Display	Graphical display
Isolation	1 kV between Input, Output & Power Supply
Accuracy	± 0.1% F. S
Power Supply	24 V DC@30mA
Power Consumption	< 50 mW
Response Time	< 500 mSec
Temperature Coefficient	± 0.01% per °C
Electronics Enclosure	Die cast Aluminum / SS
Operating Conditions	Temperature : –20 to 75 °C, Humidity : 5 to 95% non condensing
Cable Entry	½” NPT (F) / M20 X 1.5
Mounting	DIN Rail, Direct Line Mount, Pipe Mount & Flush of the Panel
Calibration	Software calibration
Turn–on Time	Less than 5 seconds
Power Supply Effect	Less than ±0.005% of span per volt

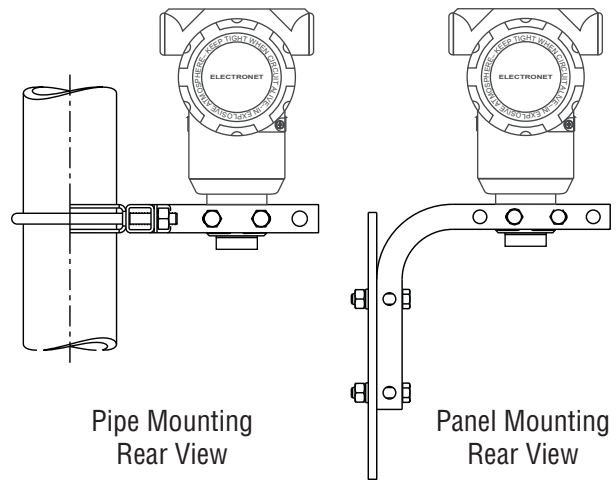
Range Table

Note: The Temperature sensors are not supplied with the transmitters. These are only for calibration & configuration.	Sensor Options	Input Ranges		Recommended Min. Span		Accuracy	
		°C	°F	°C	°F		
	2–, 3–, 4–wire RTDs						
	PT 100	–200 to 850	–392 to 1562	85	156	±0.1% of SPAN	
	PT 200	–200 to 850	–392 to 1562	85	156	±0.1% of SPAN	
	Thermocouples						
	Type B	0 to 1000	0 to 1832	100	183	±0.1% of SPAN	
	Type E	–270 to 1000	–518 to 1832	100	183	±0.1% of SPAN	
	Type J	–210 to 1200	–410 to 2192	120	219	±0.1% of SPAN	
	Type K	–270 to 1370	–518 to 2498	137	249	±0.1% of SPAN	
	Type R	–50 to 1760	–122 to 3200	176	320	±0.1% of SPAN	
	Type S	–50 to 1760	–122 to 3200	176	320	±0.1% of SPAN	
	Type T	–270 to 400	–518 to 752	40	75	±0.1% of SPAN	

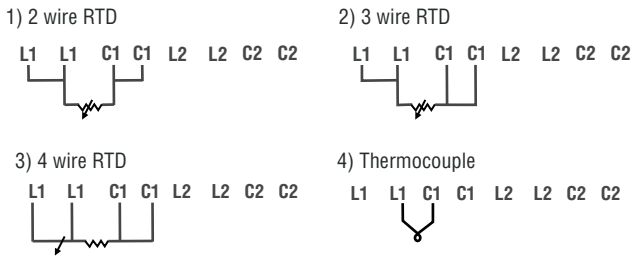
Dimensional Details



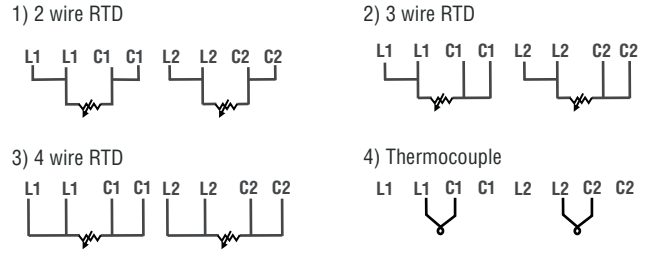
Mounting Details



Single Sensor Connection Diagram



Dual Sensor Connection Diagram



Ordering Information

- 09
- 10
- 22
- 23
- 42
- 49
- 77A
- 77B
- 96

Parameter	Code	Value
09 Electronics	09A	Integral
	09B	Remote
10 Remote Cable Length	10A	2 Meter
	10B	5 Meter
	10C	10 Meter
	10D	15 Meter
	10E	25 Meter
22 MOC Electronics Enclosure	22A	Die Cast Aluminium
	22B	SS316
23 Cable Entry	23A	M20 X 1.5
	23B	1/2" NPTF
	23X	Other
42 Type of Input	42A	RTD
	42B	Thermocouple
49 Output	49A	4 to 20 mA
	49B	4 to 20 mA with HART

Parameter	Code	Value
77A RTD Sensor Type	77AA	PT - 100
	77AB	PT - 200
77B Thermocouple Sensor Type	77BA	B
	77BB	E
	77BC	J
	77BD	K
	77BE	R
	77BF	S
	77BG	T
96 Transmitter Mounting Type	96A	DIN Rail
	96C	Direct Line Mount
	96D	Pipe Mount
	96E	Flush of the Panel

Note : • Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
 • Accuracy defined at Lab Conditions.
 • For other requirement please consult factory.

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC, Khandala, Dist.- Satara Pin: 412 801, Maharashtra, India.

Registered Office:

Plot No. 84, 85, 86, Tiny Industrial Estate, Kondhwa Budruk, Pune-411 048, Maharashtra, India.

USA Office:

IntelliComponents, Inc. 710 Dacula Rd., Ste 4A-200, Atlanta, GA 30019

+91-20-26931476/2039 ho@eepindia.com +91-20-26934122

(678)-720-3030 info@intellcomponentsinc.com