



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 .



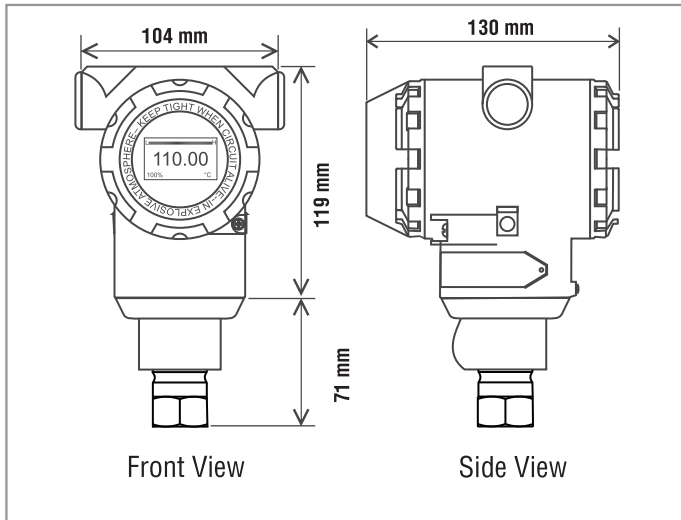
Technical Specifications

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
Calibration	Software calibration
Turn-on Time	Less than 5 seconds
Power Supply Effect	Less than ±0.005% of span per volt

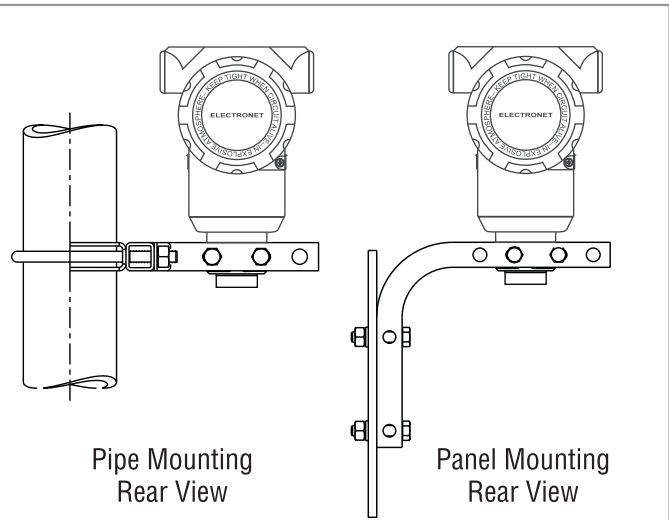
Range Table

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

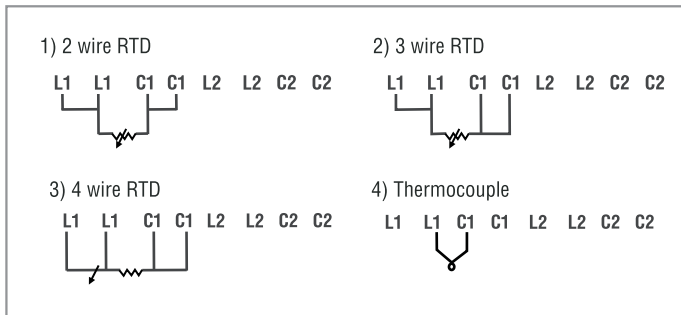
Dimensional Details



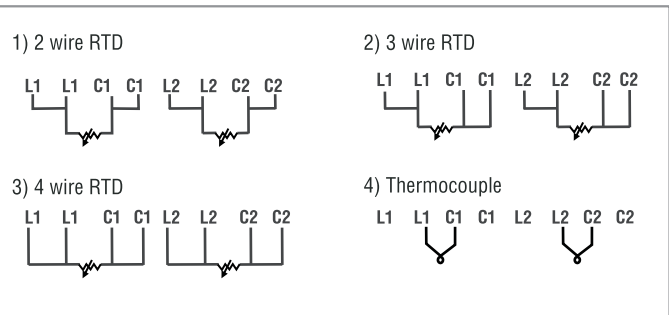
Mounting Details



Single Sensor Connection Diagram



Dual Sensor Connection Diagram



Ordering Information

Sample Order Code : 09A-10Z-22A-23B-42A-49B-77AA-77BZ-96D

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
	10Z	NA
22 MOC Electronics Enclosure	22A	Die Cast Aluminium
	22B	SS316
23 Cable Entry	23A	M20 X 1.5
	23B	1/2" NPTF
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
	77AZ	NA
77B Thermocouple Sensor Type	77BA	B
	77BB	E
	77BC	J
	77BD	K
	77BE	R
	77BF	S
	77BG	T
	77BZ	NA
96 Transmitter Mounting Type	96A	DIN Rail
	96C	Direct Line Mount
	96D	Pipe Mount

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.

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