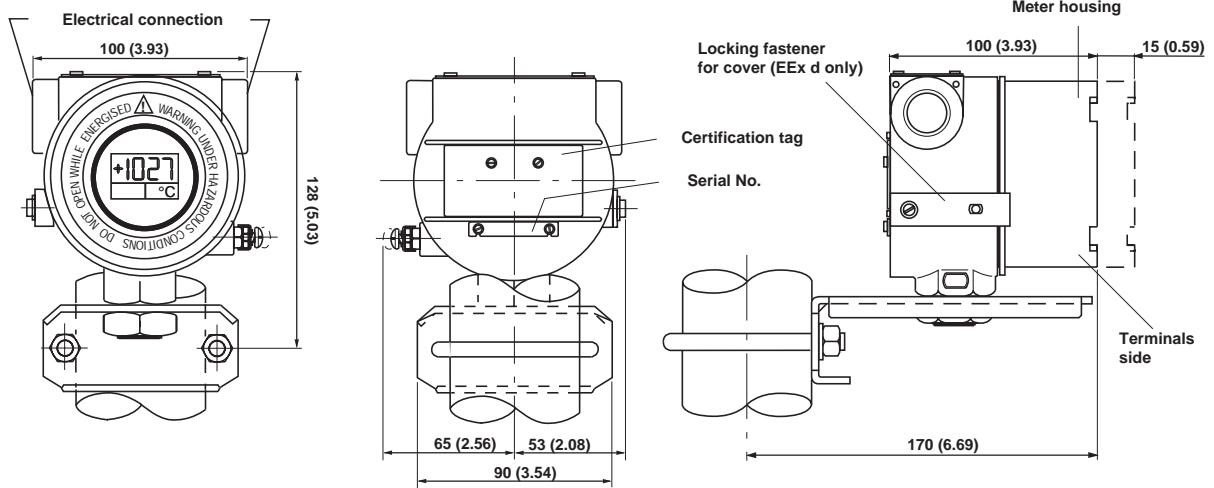


600T Series Transmitters

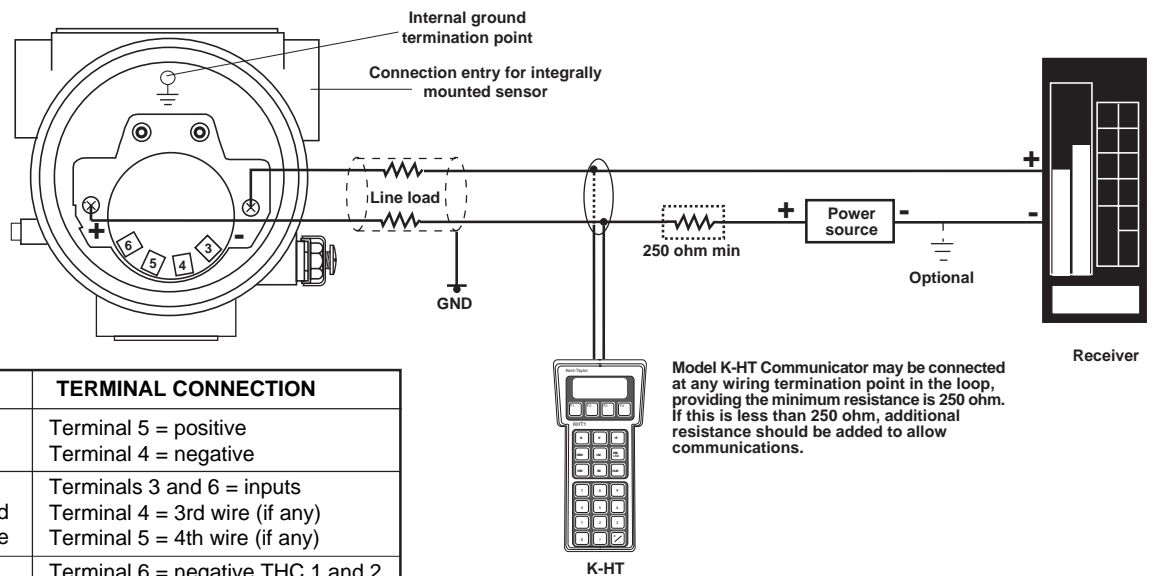
Model 653S

Electronic configurable temperature transmitter (HART®)

MOUNTING DIMENSIONS



ELECTRICAL CONNECTIONS



INPUT TYPE	TERMINAL CONNECTION
Thermocouple and voltage	Terminal 5 = positive Terminal 4 = negative
Resistance thermometer and Linear resistance	Terminals 3 and 6 = inputs Terminal 4 = 3rd wire (if any) Terminal 5 = 4th wire (if any)
Differential thermocouple	Terminal 6 = negative THC 1 and 2 Terminal 5 = positive THC 1 Terminal 4 = positive THC 2
Differential resist. thermometer	Terminals 5 and 6 = inputs RTD 1 Terminals 3 and 5 = inputs RTD 2

NOTES :

- Use terminals 3 and 6 for external CJC of thermocouple (if any by Pt 100)
- Differential measurement computes RTD1 - RTD2 (THC1 - THC2)

Electrical connections

Two 1/2 NPT or M20 x 1.5 or PG 13.5 or 1/2 GK threaded conduit entries, direct on housing, both available for output/supply signal when the sensor is mounted remotely. Alternatively, one 1/2 NPT threaded entry for integrally mounted sensor and one 1/2 NPT or M20 x 1.5 or PG 13.5 or 1/2 GK threaded entry for output/supply signal, direct on housing.

Terminal block

- two terminals for 4-20 mA output/supply signal wiring up to 2.5 mm² (14 AWG) and two jacks compatible with 3 mm dia miniature plugs.
- four terminal for input signal wiring up to 1.5 mm² (16 AWG)

Grounding : Internal and external 6 mm² (10 AWG) ground termination points are provided