

STACK
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ST658

Type K 0 – 5V 1100°C
Single channel Thermocouple Interface

USER INFORMATION

(ST541113-001)

INSTALLATION

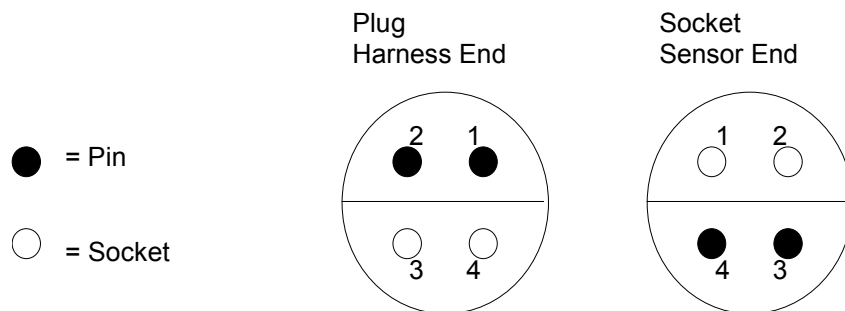
It is essential to ensure that this module is only connected to an isolated type K thermocouple.

Sensor Connections

The module connects into the system via a four way, ITT Cannon Mini Sure Seal (MSS) connector. Ensure the following when installing the sensor:

- . Bending loads are not applied to the mini-sure seal connectors.
- . The Sensor wires must not be routed over sharp edges.
- . Tight radius bends should be avoided.

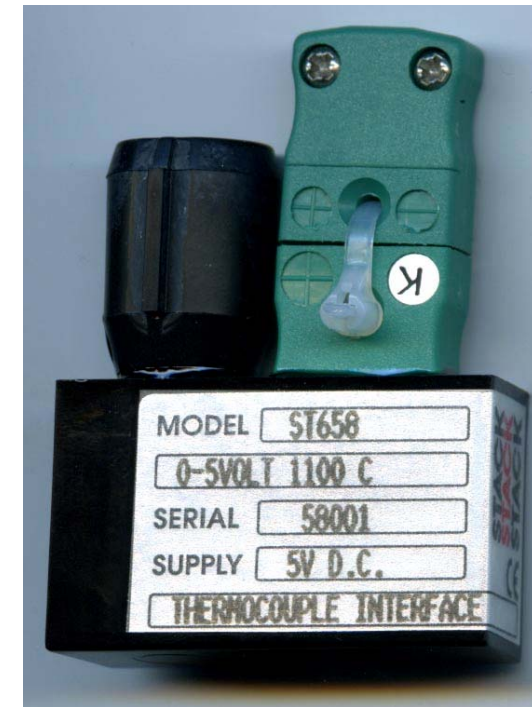
The following polarity is observed:



These terminals must be connected to the corresponding terminals of the selected input channel.

Pin Number	Signal Description
1	Signal from sensor
2	+5V Supply
3	No connection
4	0v

The thermocouple can be secured to the module by using a cable tie as shown below



TECHNICAL SPECIFICATION

	ST658
Range	0 to 1100°C
Over-range	+/- 16.5°C
Resolution	> 3°C
Accuracy	1%
Working Temp	-20 to +80 Deg C
Vibration	20G, 50 to 2000 Hz, 1 Octave / min, 12 Hours
Humidity	0 to 95% Non-condensing
Immersion	IP67
Dimensions (mm)	L39 x W12 x H48
Weight	30 Grams