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INSTALLATION INSTRUCTIONS TEMPERATURE TRANSDUCERS TT SERIES

General Instructions:

Please check the model designation of the temperature transducer to ensure it is being used within its designed range. While the transducer is capable of withstanding shock and vibration, it is recommended to mount it in a vibration free location if possible. Please read all instructions prior to installation.

Mechanical Installation:

Install seals or apply thread sealants to the process connection as required. Install the unit using a 1 1/8" wrench and tighten to the required torque for the application. A list of recommended torque values is shown in table 1. The required installation torque will vary depending on the material and type of seal and/or sealant used.

Table 1. Installation Torque

Process Connection	Installation Torque Nm	Installation Torque ft lbs	Notes
1/2" NPT male	2 - 3 T.F.F.T	2 - 3 T.F.F.T *	Sealant Required
G 1/2 male	58 Nm	43 ft lbs	Viton Seal

Note! * T.F.F.T Turns from finger tight.

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Electrical Installation

The transducer should be wired in accordance with the information in tables 2a and 2b. It is recommended to use a shielded cable whenever possible and to ground the drain wire at the input side.

Table 2a. Electrical Pin Out

Connector	4 - 20mA	
	Supply +	Supply -
HC	1	2

Table 2b. Electrical Supply Voltage

Electrical Output	Supply Voltage	Notes
4-20 mA	8 - 32VDC	Vmin = 8V + (0.02 x RLoop)