REOTEMP
INSTRUMENTS
USER MANUAL

Pressure Transmitters
Series TE
Explosion Proof

(Factory Mutual and Canadian
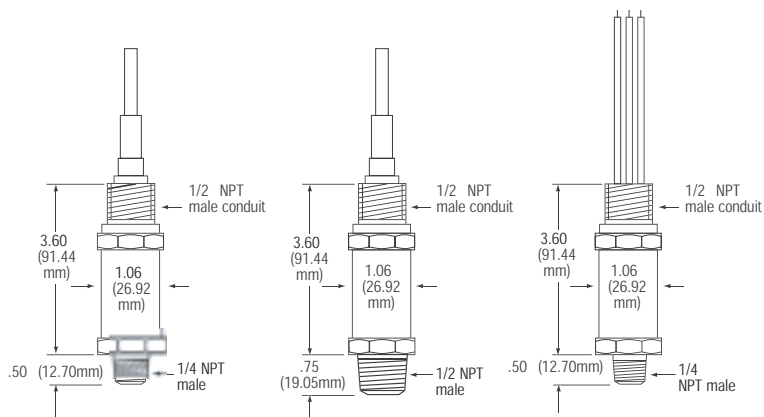Standars Association Approved)

Hazardous approvals

Factory Mutual approved
Explosion-proof with entity approve for: Class I, Division 1,
Groups A, B, C and D
Dust Ignition-proof with entity approval for class II/III, Division 1,
Groups E, F and G
Maximum electrical ratings 30V, 20 mA
FM standards according to FMRC 3600, 3615 and 3810.

These transmitters must be installed and operated according to NEC
and local codes. Improper installation or modifications to the electrical
connection will void the hazardous approval rating.

Outline Dimensions

Installation and commisioning

REOTEMP series TE transmitters are supplied with a 1/2" NPT male conduit connection with either a 6 ft jacketed cable or 6 ft free leads. For transmitters supplied with a jacketed cable, a conduit seal is required. The free leaded version is factory sealed with epoxy and does not require a conduit seal when installed to NEC requirements.

Series TE has threaded process connections (1/4" NPT, 1/2" NPT, or 7/16-20 UNF). Refer to the catalog for complete specifications. Do not torque the process connector with a force greater than 37 foot pounds. Dust tight conduit seals must be used when installed in Class II and Class III installations.

For the 4 mA to 20 mA output version, install the power supply, transmitter and receiving instrument in a series circuit to form a 2 wire loop. The transmitter regulates the current in the loop.

The transmitter is classified for over-voltage category II and the pollution degree 1. For the voltage output version, the 3 wire system uses separate leads for the power supply and output signal. The 3rd lead is a common minus. Use a NEC Class 02 power supply, low voltage and low current maxium 100 VA even under fault conditions.

REOTEMP series TE explosion-proof pressure transmitters require no maintenance. They are calibrated at the factory using pressure standards traceable to N.I.S.T. There are no user available adjustments.

4 mA to 20 mA 2-wire	WIRE	COLOR
	+Supply	RED
	+Output	BLACK

Voltage Output 3-wire	WIRE	COLOR
	+Supply	RED
	Common	BLACK
	+Output	BROWN