**VERIS INDUSTRIES** ™

TID

TIG

TIW

TIH

TI Series
Immersion Temperature Sensors

Product Overview

TI Series immersion temperature sensors are encased in a corrosion-resistant stainless steel housing with three installation choices: service entry body (TIG), threaded NPT (TIH), or indoor junction box (TIW, TID). A variety of probe lengths and RTD/thermistor options offer application flexibility. All TI Series sensors are warranted for a period of five years.

Product Identification

T I _Enclosure_

D = Duct
G = Service Entry Body
H = Threaded NPT Only
W = Water resistant housing

Immersion Probe Length "L"

A = 3 ½" (89 mm)
B = 5" (127 mm)
C = 7" (178 mm)
E = 13" (330 mm)

Thermowell

0 = None
1 = Add Thermowell

Sensor Type

B = 100R platinum, RTD
C = 1k platinum, RTD
D = 10k T2, Thermistor
E = 2.2k, Thermistor
F = 3k, Thermistor
H = 10k T3, Thermistor
I = 1k Balco (Nickel-iron) RTD
J = 10k Dale, Thermistor
K = 10k w/11k shunt, Thermistor
M = 20k NTC, Thermistor
N = 1800 ohm, Thermistor
T = 100k, Thermistor
W = 10k T2 high accuracy, Thermistor
Y = 10k T3 high accuracy, Thermistor

Thermowell Sizing

	Probe Length	Thermowell Length
A	3½" (89 mm)	2 ½" (64 mm)
B	5" (127 mm)	4" (102 mm)
C	7" (178 mm)	6" (152 mm)
E	13" (330 mm)	12" (305 mm)

Options

Cal Certificate

0 = None
2 = 3-point NIST calibration

Threads

Blank = NPT

Specifications

Wiring	22 AWG; 2-wire RTD/Thermistor
Probe	Stainless Steel
Test Pressure	200 psi
Operating Temperature	-25 to 105 °C (-13 to 221 °F)*
WARRANTY	
Limited Warranty	5 years

*Room temperature offset documented on each unit.

Dimensions

TID Model

4"
(102 mm)

2.2"
(56 mm)

0.5" nom.
(13 mm)

L

0.25" dia"
(6.3mm)

TIW Model

4.5"
(114 mm)

2.8"
(71 mm)

1.5"
(38 mm)

1/2" NPT
Standard

L

0.25" dia"
(6 mm)

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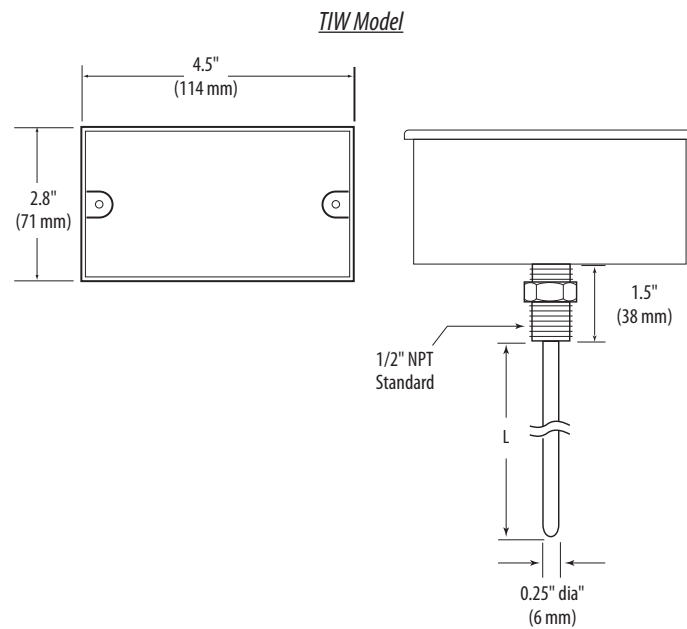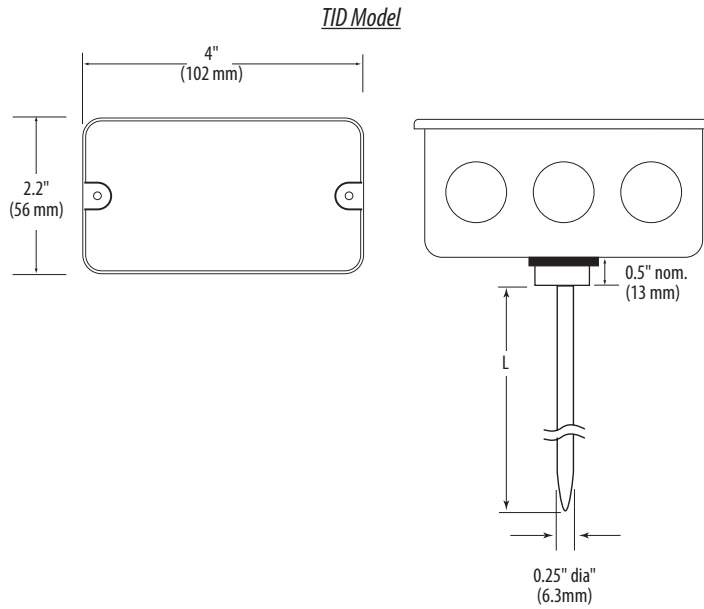
Dimensions (cont.)

TIG Model

1.5"
(38 mm)

0.25"Dia.
(6 mm)

1/2" NPT
Standard

L

TIH Model

Immersion Probes

0.25" dia.
(6.3mm)

L

Overall: "L" + 2" (50.8mm)

Thermowells

0.375" dia.
(10mm)

L

Overall: "L" + 1.75" (45mm)
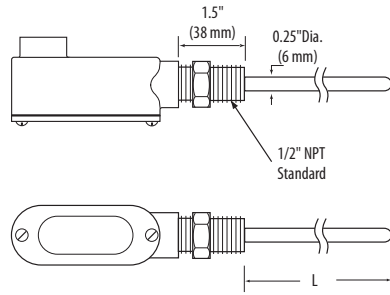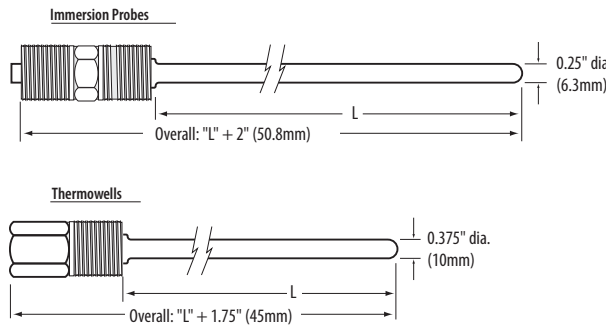
Installation

1. Thread the assembly into a pipe fitting.

2. Wire as shown.

Thermistor
RTD

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