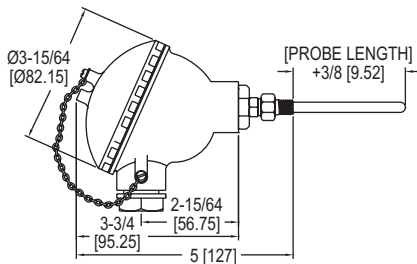


**Dwyer**

SERIES TTW

# WEATHERPROOF IMMERSION TEMPERATURE TRANSMITTER

Pt100 RTD, PC Programmable Transmitter



The **Series TTW Weatherproof Immersion Temperature Transmitter** offers a field adjustable temperature transmitter pre-assembled with an RTD sensor and weatherproof enclosure.

**FEATURES/BENEFITS**

- Preset to 32 to 212°F (0 to 100°C) output range
- USB port for easy output scale adjustment in the field

**APPLICATIONS**

- Immersion temperature sensing in HVAC systems

**MODEL CHART**

Model	Probe Length
TTW-104	4"
TTW-106	6"
TTW-108	8"
TTW-112	12"
TTW-118	18"

**THERMOWELLS - MACHINED**

Model	Material	Length	Connection (Internal/External) (NPT)
TE-TNS-N044N-14	304 SS	4"	1/4" / 1/2"
TE-TNS-N064N-14	304 SS	6"	1/4" / 1/2"
TE-TNS-N094N-14	304 SS	9"	1/4" / 1/2"
TE-TNS-N124N-14	304 SS	12"	1/4" / 1/2"

**SPECIFICATIONS****TEMPERATURE SENSOR**

**Accuracy:**  $\pm 3^{\circ}\text{F}$  ( $\pm 1.7^{\circ}\text{C}$ ).

**Temperature Limits:** Operating: -40 to 302°F (-40 to 150°C).

**Sensor Curves:** Pt100 RTD (TE Series Curve D).

**TEMPERATURE TRANSMITTER**

**Input Range:** -328 to 986°F (-200 to 530°C).

**Output:** Two-wire 4-20 mA.

**Output Impedance:** 600  $\Omega$  @ 24 VDC.

**Power Requirements:** 12-35 VDC.

**Accuracy:**  $\pm 0.2\%$  FS.

**Temperature Limits:** -40 to 185°F (-40 to 85°C).

**Response Time:** <100 ms.

**ENCLOSURE**

**Temperature Limits:** -40 to 212°F (-40 to 100°C).

**Rating:** NEMA 4X (IP65).

**Material:** Painted aluminum housing.

FREE software download: See page 134 (Series TBU-00)



Machined thermowell

Technical Specifications and Additional Thermowell Models: See page 147 (Series TE-TNS)