TITAN PRODUCTS

Simplify the Complex®

IMMERSION TEMPERATURE SENSOR

TPIS FEATURES

- Compatible with most leading BMS systems
- Available for low temperature hot water systems
- Brass or high grade stainless steel pockets available
- Secure IP65 enclosure

The Titan Products Immersion Temperature Sensor is designed to measure temperature conditions in liquid flow lines. The sensor element is enclosed in a rigid stem which is mounted into a pocket with options for brass (standard) or stainless steel. The immersion pocket length is 125mm as standard with a shorter 65mm length also available. Other lengths are also available on request. Please contact the sales team for more information.

For chilled water applications the sensor stem, sensor element and terminal board are epoxy sealed to prevent the influence of condensation in low temperature conditions. The sensor is available with a range of temperature measurement elements.

The immersion sensors are supplied without a pocket as standard. If a pocket is required, please order separately.

SPECIFICATION

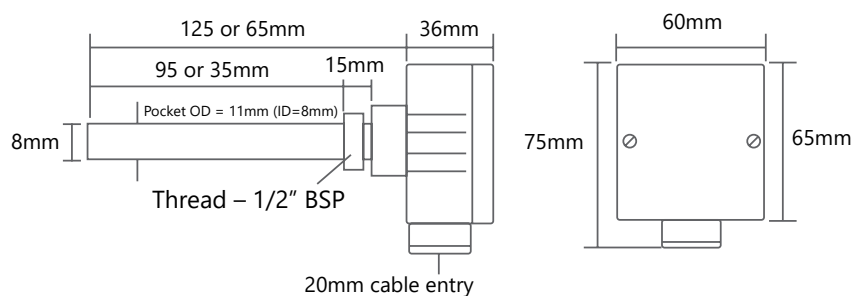|	
Material:	Body: Flame retardant polycarbonate Probe: Brass
Sensing Elements:	See table
Accuracy:	+/-0.2˚C @ 70˚C thermistor +/-0.4˚C (4-20mA) +/-0.5˚C (0-10V)
Operating Temperature:	-40 to +110˚C
Terminals:	1.0mm recommended 2.5mm max
Mounting Location:	Positioned to measure the controlled condition
Dimensions:	Probe: 125mm as standard Body: H60 x W65 x D36 20mm cable gland entry
Protection:	IP65
Country of Origin:	UK
Product Codes:	See table

UKCA CE

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THERMISTOR OPTIONS

Element Type	Product Codes for 125mm immersion Add /65 to code for 65mm immersion probe length		Accuracy
	Standard	Encapsulated	
10K3A1	TPTIS/NP	TPTIS/R/NP	+/- 0.2˚C
10K4A1	TPAIS/NP	TPAIS/R/NP	+/- 0.2˚C
20K6A1	TPHIS/NP	TPHIS/R/NP	+/- 0.2˚C
Ni1000	TPIS/Ni1000/NP	TPIS/Ni1000/R/NP	+/- 0.3˚C
PT1000	TPPT3IS/NP	TPPT3IS/R/NP	+/- 0.3˚C
4-20mA	TPIS/40/NP (-10 to +40˚C)*		+/- 0.4˚C
0-10V	TPVIS/40/NP (-10 -to +40˚C)*		+/- 0.5˚C

Other ranges available on request.

Other thermistor types available on request.
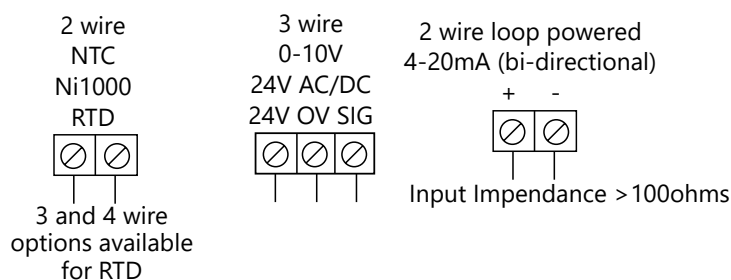*Contact Titan Products for details and options.*

The 10K3A1 range of environmental sensors can be used with all Titan BACnet controllers

DIMENSIONS

Sensor is supplied with cable entry gland fitted

CONNECTIONS

INSTALLATION AND MAINTENANCE

• The sensors should be installed by a qualified engineer.
• The sensor should be placed in a position to best represent the temperature.

For further install and setup information please contact technical@titanproducts.com