



## BUTTON TEMPERATURE SENSOR & ANTI-LIGATURE PLATE TEMPERATURE SENSOR

- Attractive aesthetics
- Discreet options
- Compatible with most leading BMS controls
- Special finishes available on request

The button and plate sensors from Titan Products are designed to monitor internal room temperature conditions and are available in white plastic, black plastic (button only) and brushed stainless steel.

The button sensors can be supplied fitted to a plate or with a 300mm flying lead, while the plate sensor is supplied with the temperature sensor mounted behind the plate for anti-ligature applications.

Both the button and plate sensors are available with a wide range of temperature measurement elements to match all major BMS systems.

### SPECIFICATION

Material:	Plastic or stainless steel
Sensing Elements:	See table
Accuracy:	±0.2°C @ 70°C thermistor ±0.3°C RTD elements
Operating Temperature:	-10 to +70°C
Terminals:	1.0mm recommended 2.5mm max
Location:	Positioned to measure the controlled condition
Dimensions:	Plate - 85H x 85W Sensor - 9H x 9W x 3D Thread 10.5
Protection:	IP20
Country of Origin:	UK
Product Codes:	See table

## PRODUCT CODES

Material	State Element Type		
	Button Product Code (no plate)	Button Product Code (with plate)	Anti-ligature Plate Product Code
White Plastic	TPWBS	TPWBS/P	N/A
Stainless Steel	TPSSBS	TPSSBS/P	TPSSPS
Black Plastic	TPBS	N/A	N/A

Element Type	System Compatibility	Accuracy
10K3A1	Trend / Jel / Honeywell / Aquatrol 2000 / Ambiflex / Next / Smart / York	$\pm 0.2^{\circ}\text{C}$
10K4A1	Andover / Automatrix / York / Siebe	$\pm 0.2^{\circ}\text{C}$
20K6A1	Honeywell	$\pm 0.2^{\circ}\text{C}$
Ni1000	Landis & Gyr	$\pm 0.3^{\circ}\text{C}$
PT1000	PT1000	$\pm 0.3^{\circ}\text{C}$
4-20mA	2 Wire Loop Powered	$\pm 0.5^{\circ}\text{C}$
0-10V	3 Wire 24V Supply	$\pm 0.5^{\circ}\text{C}$

**Button Sensor**



**Button with plate**

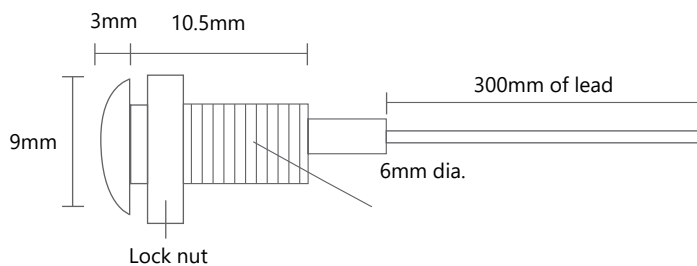


**Anti-ligature plate**



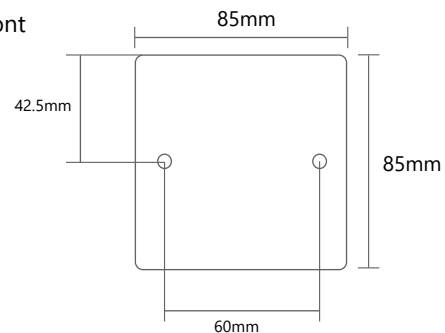
## DIMENSIONS

**Button**



**Plate**

Front

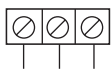


## CONNECTIONS

2 wire  
NTC  
Ni1000  
RTD



3 wire  
0-10V  
24V AC/DC  
24V OV/SIG



2 wire loop powered  
4-20mA (bi-directional)  
+ -



Input impedance > 100ohms

**Plate**

Side

If button is fitted then this will protrude 3mm from the front of the plate



For further install and setup information please contact [technical@titanproducts.com](mailto:technical@titanproducts.com)

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Ref: SKU 150/151 V3