Button Temperature Sensor & Anti-ligature Plate Temperature Sensor

The button and plate sensors from Titan Products are designed to monitor internal room temperature conditions and are available in white plastic (button sensor only), brushed stainless and brass finishes as standard.

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.
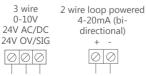
Specification

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

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
Brass	TPBBS	TPBBS/P	TPBPS
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	±0.2°C
10K4A1	Andover / Automatrix / York / Siebe	±0.2°C
1.8K7	TAC	±0.2°C
2.2K3A1	Johnsons / Ambiflex	±0.2°C
3K3A1	Alerton	±0.2°C
20K6A1	Honeywell	±0.2°C
30K6A1	Drayton	±0.2°C
100K6A1	York (> +40°C)	±0.2°C
Satchwell	Satchwell T Range	±0.2°C
Ni1000	Landis & Gyr	±0.3°C
PT100	PT100	±0.3°C
PT1000	PT1000	±0.3°C
4-20mA	2 Wire Loop Powered	±0.5°C
0-10V	3 Wire 24V Supply	±0.5°C

Anti-ligature plate

Button with plate

Button Sensor

Wiring

2 wire
NTC
Ni1000
RTD

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

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

Input impendance > 100ohms

3mm   10.5mm
9mm
300mm of lead
6mm dia.
Lock nut

TITAN Products Ltd.