



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 | ±0.2°C |
| 10K4A1 | Andover / Automatrix / York / Siebe | ±0.2°C |
| 20K6A1 | Honeywell | ±0.2°C |
| Ni1000 | Landis & Gyr | ±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 |

Button Sensor



Button with plate

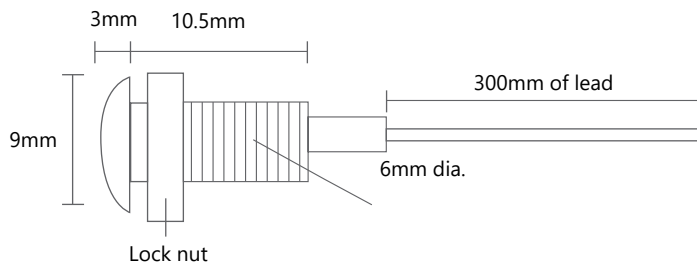


Anti-ligature plate

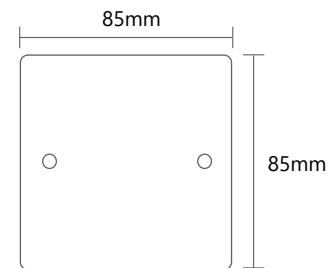


DIMENSIONS

Button



Plate

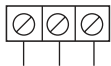


CONNECTIONS

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

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