Button & Plate Temperature Sensors

Key Features:

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

Product Overview:

The range offers discreet and robust solutions for internal room temperature monitoring, with options available in white or black plastic (button only), and brushed stainless steel finishes.

Button sensors can be supplied either pre-mounted to a plate or with a 300mm flying lead for flexible installation. The plate sensor features a hidden temperature element mounted behind the plate, ideal for anti-ligature and tamper-resistant applications.

Designed for compatibility, both sensor types support a wide selection of temperature sensing elements to suit all major BMS systems.

Technical Specifications:

Material:	Plastic or stainless steel
Sensing Elements:	See table
Accuracy:	±0.2ºC @ 70ºC thermistor ±0.3ºC 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	WTSTP	FM	N/A
Stainless Steel	SSTSTP	FM	SSTP
Black Plastic	BTSTP	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

3mm 10.5mm

9mm

300mm of lead

6mm dia.

Lock nut

Plate

85mm

85mm

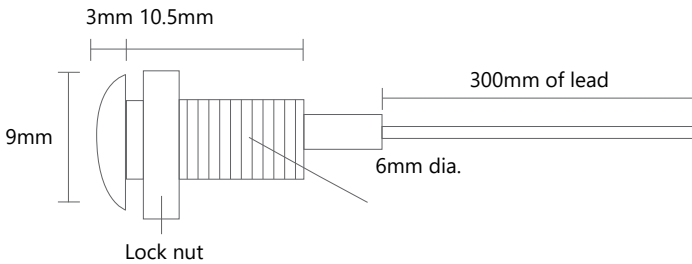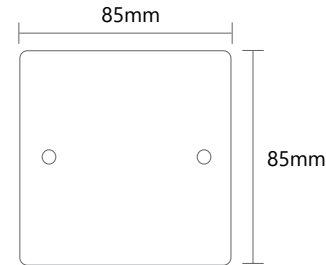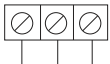## Connections:

2 wire
NTC
Ni1000
RTD

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

2 wire loop powered
4-20mA
(bidirectional)
-     +

Input impendance > 100ohms