



TEMPERATURE

BULLET/BUTTON TEMPERATURE SENSORS

ACI BULLET/BUTTON SERIES

DESCRIPTION

The **ACI Bullet/Button Series Thermistor and RTD Sensors** are designed specifically for HVAC system temperature control. The button and bullet style sensors come in thermistor or RTD sensor curves.

The **A/*BP Stainless Steel Thermistor and RTD Sensor** is for under-insulation mounting and direct contact to the pipe. Clean off any insulation or rust to promote solid contact, and secure with tie wraps so the probe is parallel to the pipe.

FEATURES

- **Five-year warranty**
- **Stainless steel casing (BP)**
- **Small footprint for hidden applications (BBS, SBS)**
- **Brass or stainless button casing (BBS, SBS)**
- **Available in thermistor or RTD**

SPECIFICATIONS

Accuracy	
Thermistor	±0.36°F (0.2°C)
RTD	±0.50°F (0.28°C)
Sensor Type	
Thermistor	10 kΩ Type II & III, 20 kΩ, 100 kΩ
RTD	100Ω, 1000Ω 385 curve
Temperature Range	-40° to 302°F (-40° to 150°C)
Stability	
Thermistor	0.24°F (0.13°C) over five years
RTD	≤±0.1°C drift
Heat Dissipation	Thermistor, 3 mW/°C (power needed to raise the temperature by 1°C)
Enclosure Rating	
Button	NEMA 1, Brass, Stainless
Bullet	NEMA 4, Stainless
Flush	NEMA 1, Stainless
Mounting	
Button, Surface mount	Directly to wall
Bullet	Strap on to pipe
Flush	Directly to wall
Wiring Terminations	10" of 22 AWG wire or terminal strip
Weight	
Button	0.12 lb (0.05 Kg)
Bullet	0.04 lb (0.02 Kg)
Surface mount	0.2 lb (0.09 Kg)
Approvals	CE, RoHS
Warranty	5 years



ACI Flush Mount Sensor



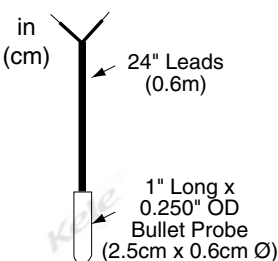
ACI Bullet Sensor



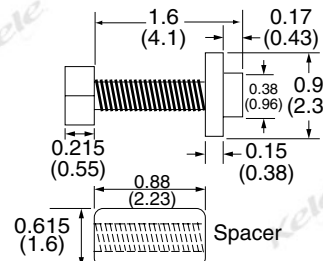
ACI Button Sensor



DIMENSIONS



A/*-BP
Stainless Steel Probe



A/*BBS, SBS
Button Sensor

ORDERING INFORMATION

MODEL	DESCRIPTION (choose one)
A/AN	10,000Ω thermistor @ 77°F (25°C), Type 3
A/CP	10,000Ω thermistor @ 77°F (25°C), Type 2
A/20K	20,000Ω thermistor @ 77°F (25°C), Type 42
A/100K	100kΩ thermistor @ 77°F (25°C), Type 27
A/100-2W	100Ω RTD @ 32°F (0°C), two-wire 385 curve
A/1K-2W	1000Ω RTD @ 32°F (0°C), two-wire 385 curve
MOUNTING CONFIGURATION (choose one)	
BP	Stainless steel bullet probe
BBS	Brass button sensor
SBS	Stainless steel button sensor
SP	Flush mount sensor

A/AN

BP

Example: A/AN-BP ACI bullet 10,000Ω thermistor sensor

RELATED PRODUCTS

T81U-XR
T85U-XR
TCC-111
TCC-12
UR

100 ohm, Type 81 4-20 mA temperature transmitter, custom rangeable
1000 ohm, Type 85 4-20 mA temperature transmitter, custom rangeable
Thermal conductive compound 111 ml tub
Thermal conductive compound tube, 12 ml
Moisture-resistant three-wire butt splice