# TEMPERATURE

## **BUTTON STYLE THERMISTOR AND RTD SENSORS**

ST-B\* SERIES

#### DESCRIPTION

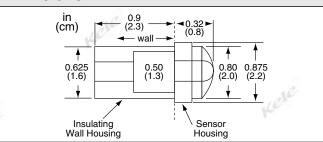
The Precon ST-B\* Series Button Style Flush-Mount Thermistor and RTD Sensors provide precision room temperature sensing for building automation systems. The active sensing element is made of a highly stable, precision thermistor material or platinum RTD. This design provides moisture/vapor resistance and is bonded to either brass, steel or aluminum button style housingeasily mountable into any wall. This sensor is intended for interior use only.

#### **FEATURES**

- Lifetime warranty
- ±0.36°F (±0.2°C) thermistor accuracy .
- ±0.27°F (±0.15°C) or ±0.54°F (±0.30°C) RTD accuracy
- Ultra high accuracy available
- Wide selection of thermistor and RTD curves
- Optional brass, steel, aluminum metal buttonstyle housing
- Small, nearly invisible footprint



#### DIMENSIONS



#### SPECIFICATIONS

RTD

111

Thermistor

Туре 63 Туре 71, 81

Type 85 Type 91

### Accuracy

Thermistor RTD	±0.36°F (0.2°C)
Type 63 Type 71 Type 81, 85 Type 91 Sensor Type	±0.72°F (0.40°C) ±0.054°F (0.03°C) ±0.27°F (0.15°C) ±0.54°F (0.30°C)

2.252 kΩ, 3 kΩ, 10 kΩ Type II, III & III w/11K shunt, 20 kΩ, 100 kΩ 1000Ω Nickel

100Ω Pt 385 Curve 1000Ω Pt 385 Curve 1000Ω Pt 375 Curve

Temperature Range Thermistor/RTD -40° to 221°F (-40° to 105°C) **Temperature Coefficient** 

RTD Temperature Stability Thermistor RTD Heat Dissipation

Thermistor

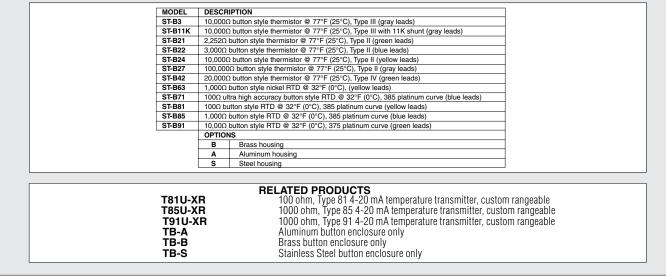
**Enclosure Rating** 

Mounting Wiring Terminations

Weight Approvals Warranty Negative temperature coefficient Positive temperature coefficient

0.24°F (0.13°C) over five years Max 0.04% after 1k hours @ 500 °C 2.7 mW°C (power needed to raise the temperature by 1°C) NEMA 1, Brass, aluminum,304 Stainless steel housing Directly to the wall 8' (2.4m) of 24 AWG pigtails with prestripped ends, type 71 & 81 have 18" leads 0.2 lb (0.1 Kg) CE Lifetime

#### **ORDERING INFORMATION**





877-826-9037 USA