

PAINTABLE BUTTON STYLE FLUSH MOUNT WALL SENSOR ST-BP* SERIES



DESCRIPTION

The Precon ST-BP* Series Paintable Button Style Flush-Mount Thermistor and RTD Wall Sensors provide precision room temperature sensing for building automation systems. The ST-BP Series drastically decreases the footprint of the traditional box sensor so that it becomes virtually invisible once it is painted to match the decor. The active sensing element is made of a highly stable, precision thermistor material or platinum RTD. This design is intended for interior use only is bonded to a plastic paintable housing.



ST-BP*

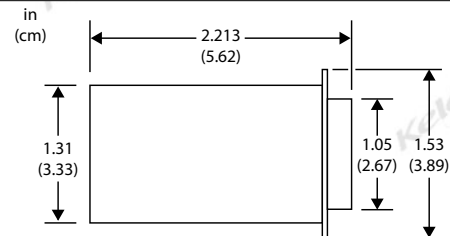
Precon



FEATURES

- Lifetime sensor warranty
- Paintable housing
- Flush mount
- Installs in drywall
- No back box required
- Virtually undetectable when painted

DIMENSIONS



SPECIFICATIONS

Accuracy		Temperature Coefficient	
Thermistor	±0.36°F (0.2°C)	Thermistor	Negative temperature coefficient
RTD		RTD	Positive temperature coefficient
Type 63	±0.72°F (0.40°C)	Temperature Stability	
Type 71	±0.0774°F (0.043°C)	Thermistor	0.24°F (0.13°C) over five years
Type 81, 85	±0.27°F (0.15°C)	RTD	Max 0.04% after 1k hours @ 500 °C
Type 91	±0.54°F (0.30°C)	Heat Dissipation	2.7 mW/°C (power needed to raise the temperature by 1°C)
Sensor Type		Mounting	Directly to wall
Thermistor	2.252 kΩ, 3 kΩ, 10 kΩ Type II, III & III w/11K shunt, 20 kΩ, 100 kΩ	Wiring Terminations	
RTD		All Others	8' (2.4m) of 24 AWG prestripped pigtails, Type 71 & 81 sensors have 18" leads
Type 63	1000Ω Nickel	Enclosure Rating	NEMA 1, White plastic
Type 71, 81	100Ω, Pt 385 Curve	Weight	0.1 lb (0.05 Kg)
Type 85	1000Ω, Pt 385 Curve	Approvals	CE
Type 91	1000Ω, Pt 375 Curve	Warranty	Lifetime
Temperature Range			
Thermistor/RTD	-40° to 221°F (-40 to 105°C)		

ORDERING INFORMATION

MODEL	DESCRIPTION
ST-BP3	10,000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type III (gray leads)
ST-BP11K	10,000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type III with 11K shunt (gray leads)
ST-BP21	2252Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type II (green leads)
ST-BP22	3000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type II (blue leads)
ST-BP24	10,000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type II (yellow leads)
ST-BP27	100,000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type II (gray leads)
ST-BP42	20,000Ω paintable flush-mount button style thermistor @ 77°F (25°C), Type IV (green leads)
ST-BP63	1000Ω paintable flush-mount button style nickel RTD @ 32°F (0°C), (yellow leads)
ST-BP71	100Ω paintable flush-mount ultra high accuracy button style RTD @ 32°F (0°C), 385 platinum curve (blue leads)
ST-BP81	100Ω paintable flush-mount button style RTD @ 32°F (0°C), 385 platinum curve (yellow leads)
ST-BP85	1000Ω paintable flush-mount button style RTD @ 32°F (0°C), 385 platinum curve (blue leads)
ST-BP91	1000Ω paintable flush-mount button style RTD @ 32°F (0°C), 375 platinum curve (green leads)

RELATED PRODUCTS

T85U-XR	1000 ohm, Type 85 4-20 mA temperature transmitter, custom rangeable
T81U-XR	100 ohm, Type 81 4-20 mA temperature transmitter, custom rangeable
T91U-XR	1000 ohm, Type 91 4-20 mA temperature transmitter, custom rangeable