

# TEMPERATURE

## PLASTIC BOX TEMPERATURE THERMISTOR AND RTD SENSOR ACI PLASTIC BOX SERIES



### DESCRIPTION

The ACI Plastic Box Series Thermistor and RTD Sensors are designed specifically for HVAC system temperature control. The A/\*PB duct and immersion sensors come in thermistor and RTD sensor curves compatible with most BAS systems available today.

NEW!



A/\*-PB

### FEATURES

- 5 year warranty
- Selection of thermistors and RTDs
- Immersion and duct applications

### SPECIFICATIONS

<b>Accuracy</b>		<b>Measurement Range</b>	-40° to 302°F (-40° to 150°C)
<b>Thermistor</b>	±0.36°F (0.2°C)	<b>Enclosure Rating</b>	NEMA 3R, Plastic Box
<b>RTD</b>	±0.50°F (0.28°C)	<b>Wiring Terminations</b>	10" of 22 AWG wire
<b>Sensor Type</b>		<b>Probe</b>	Seamless Stainless steel tube, 1/4" (0.64 cm) O.D.
<b>Thermistor</b>	10 kΩ Type II & III, 20 kΩ	<b>Dimensions</b>	less probe 4.5"W x 2.3"H x 2.3"D (11.4 x 5.8 x 5.8 cm)
<b>RTD</b>	100Ω, 1000Ω 385 curve	<b>Weight</b>	
<b>Temperature Range</b>	-40° to 275°F (-40° to 135°C)	<b>Duct</b>	0.72 lb (0.32 Kg)
<b>Stability</b>		<b>Immersion</b>	1.0 lb (0.45 Kg)
<b>Thermistor</b>	0.24°F (0.13°C) over five years	<b>Approvals</b>	CE, RoHS
<b>RTD</b>	<±0.1°C drift	<b>Warranty</b>	5 years
<b>Heat Dissipation</b>	Thermistor, 3 mW/°C (power needed to raise the temperature by 1°C)		

### ORDERING INFORMATION

MODEL	DESCRIPTION
A/	Plastic box temperature sensor
	<b>Model</b> <b>Sensor</b>
	AN            10KΩ type 3 thermistor
	CP            10KΩ type 2 thermistor
	20K          20KΩ thermistor
	100-2W      100KΩ 385 curve
	1K-2W      1000KΩ 385 curve
	<b>Model</b> <b>Style</b>
	I4-PB        Immersion with 4" probe includes well
	D4-PB        Duct with 4" probe
	D8-PB        Duct with 8" probe
	D12-PB      Duct with 12" probe

**A/**      **AN**      **D4-PB**      **Example: A/AN-D4-PB** Plastic box temperature sensor for duct with 4" probe