

Features & Options

- Low Profile Delta Enclosure
- Optional Setpoint, Override or Bi-Metal Indicator
- Optional Communication Jack
- Optional Test and Balance Switch
- Wide Selection of Temperature Sensing Elements
- Limited Lifetime Warranty



Delta Style Enclosure

Setpoint & Legend

The optional Setpoint is a linear slidepot adjustment that comes in various ranges, and is available as Reverse or Direct Acting. An optional Setpoint Legend can be imprinted on the base of the enclosure. Common Legends include "Cool/Warm", "65 to 80" (°F), "55 to 85" (°F), and "5 to 30" (°C). (See ordering grid on opposite page for all Legend options.)

Override

The optional Override is a discreet momentary signal that can be configured to be compatible with any controller.

Communication Jack

Available with RJ11 (4 pin), RJ12 (6 pin), RJ45 (8 pin), RJ22 (4 pin) or a 3.5 mm phono plug style jack.

Bi-Metal Indicator

An optional Bi-Metal Indicator shows room temperature; accurate to ± 1 °F. The display is protected by an acrylic plate and comes with a 50 to 90 °F or 10 to 30 °C legend.

Test and Balance Switch

A three-position slider can be provided on the back of the unit to change the sensor output as follows—the "Low" setting is "Full Cool", "Normal" is the live sensor value, and "High" is "Full Heat".

For detailed specifications on the individual Sensors & Transmitters, turn to the Sensors section

* All Passive Thermistors 10K Ω and smaller are CE compliant.



Delta Style Enclosure with Setpoint, Override and Bi-Metal Indicator

The BAPI-Guard

- Prevents Tampering, Physical Damage and Unauthorized Adjustment
- Exceptional Airflow for Proper Thermostat Operation
- Two Sizes to Fit Most Thermostats

(See Accessories for more info.)



BAPI-Guard Mounted Over a Thermostat

Specifications

Environmental Operation Range:

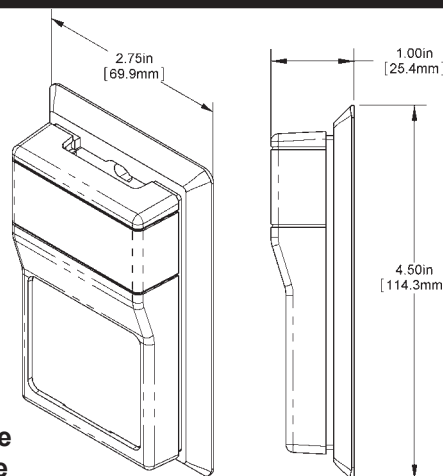
Temperature: 32 to 122 °F (0 to 50 °C)
Humidity: 0 to 95%, non-condensing

Material:

ABS Plastic

Material Rating:

UL 94, V-0



Delta Style Enclosure



Delta Style Room Units **A19**

Temperature Sensors

Rev. 11/24/10

Ordering Information		Delta Style Room Units - Temperature					
BA/							
Sensor Type	Must select one	Use the designator number (shown to the left in bold) to indicate the sensor					
#	THERMISTORS		RTDs				
	1.8K	1.8K Ω @ 25 °C	100	100 Ω Platinum @ 0 °C, .385 Ω /°C temp. coeff.			
	3K	3K Ω @ 25 °C	100[3W]	3 Wire 100 Ω Platinum @ 0 °C, .385 Ω /°C temp. coeff.			
	3.25K	3.25K Ω @ 25 °C (T30 type)	1K[375]	1K Ω Platinum @ 0 °C, 3.75 Ω /°C temp. coeff.			
	3.3K	3.3K Ω @ 25 °C	1K[Ni]	1K Ω Nickel @ 21°C, 5 Ω /°C temp. coeff.			
	10K-2	10K Ω @ 25 °C	1K	1K Ω Platinum @ 0 °C, 3.85 Ω /°C temp. coeff.			
	10K-3	10K Ω @ 25 °C	2K	2K Ω Silicon @ 20 °C, 8 Ω /°C temp. coeff.			
	10K-3[11K]	5,238 Ω @ 25 °C	SEMICONDUCTORS				
	20K	20K Ω @ 25 °C	334	LM334 Semiconductor			
	50K	50K Ω @ 25 °C	592	AD592 Semiconductor, 273 μ A @ 0 °C			
100K	100K Ω @ 25 °C	592-10K	AD592 Semicond. w/ 10 k Ω shunt resistor, 2.73 V @ 0 °C				
Enclosure Style		Required selection					
-R	Delta Style Room Enclosure						
Optional Setpoint		If setpoint is required, must select Range and Legend					
##	SETPOINT OUTPUT VALUE RANGE (insert Designator #)						
	Desired Range	Designator	Desired Range	Designator			
	800 to 1200 Ω	25	15 to 5 k Ω	61			
	909 to 1309 Ω	26	0 to 20 k Ω	80			
	1800 to 2200 Ω	27	4.75 to 24.75 k Ω	81			
	0 to 1 k Ω	40	6.19 to 26.19 k Ω	82			
	500 to 1500 Ω	41	7.87 to 27.87 k Ω	83			
	2 to 3 k Ω	42	10 to 30 k Ω	84			
	0 to 10 k Ω	60	See App. Notes pg. I2 for other Setpoint Ranges				
	SETPOINT LEGEND (insert Designator #)						
Legend Range	Designator	Legend Range	Designator				
5-30 C	L1	68-70-72	L5				
55-85 F	L2	COOL/WARM	L6				
60-85 F	L3	WARM/COOL	L7				
65-80 F	L4	No Legend	L0				
Override Configuration		Must select one					
-J	Override as a Separate Input (Not available with transmitter)						
-N	Override in Parallel (//) with Sensor						
-P	Override in Parallel (//) with Setpoint (Only available with Resistive Setpoint)						
-Z	No Override						
Optional Communication Jack		Skip if not required					
-C35	3.5 mm Phono Style Jack						
-C11*	RJ11 (4 pin) Style Jack (Not available with Bi-Metal Indicator)						
-C12*	RJ12 (6 pin) Style Jack (Not available with Bi-Metal Indicator)						
-C45*	RJ45 (8 pin) Style Jack (Not available with Bi-Metal Indicator)						
-C22*	RJ22 (4 pin) Style Jack (Not available with Bi-Metal Indicator)						
Optional Indicator		Skip if not required					
-BM5090	Bi-Metal Indicator: 50 to 90 °F legend						
-BM1030	Bi-Metal Indicator: 10 to 30 °C legend						
Optional Test & Balance		Skip if not required					
-TB	Three Position Switch - "Low" & "High" values vary, "Normal" is live sensor value. Call for details.						
Connection Configuration		Must select one					
-CG	Common Ground (Required with Voltage Setpoint Units)						
-DF	Differential Inputs						
Optional Copla White Enclosure (Warm White is Standard)							
-CPW	Copla White Enclosure Color						
EXAMPLE							
BA/	10K-2	-R	25L1	-J	-C35	-BM5090	-CG
Example Part Number: BA/10K-2-R25L1-J-C35-BM5090-CG							
Your Part Number:							

*Not available with Voltage Setpoint.

Call BAPI if you have questions about the above ordering/pricing grid or the configuration of the product you are ordering.