



Temperature Sensors

Rev. 01/07/09

Ordering Information				Powers Style Room Unit - Temperature		List Price	Your Order														
BA/	Sensor Type Use the designator number (shown to the left in bold) to indicate the sensor																				
##	<p>THERMISTORS</p> <p>1.8K 1.8K Ω @ 25 °C 3K 3K Ω @ 25 °C 3.3K 3.3K Ω @ 25 °C 10K-2 10K Ω @ 25 °C 10K-3 10K Ω @ 25 °C 10K-3[11K] 5,238 Ω @ 25 °C 20K 20K Ω @ 25 °C 50K 50K Ω @ 25 °C 100K 100K Ω @ 25 °C</p> <p>RTDs</p> <p>100 100 Ω Platinum @ 0 °C, .385 Ω/°C temp. coeff. 100[3W] 3 Wire 100 Ω Plat. @ 0 °C, .385 Ω/°C temp. coeff. 1K[375] 1K Ω Platinum @ 0 °C, 3.75 Ω/°C temp. coeff. 1K[Ni] 1K Ω Nickel @ 21°C, 5 Ω/°C temp. coeff. 1K 1K Ω Platinum @ 0 °C, 3.85 Ω/°C temp. coeff. 2K 2K Ω Silicon @ 20 °C, 8 Ω/°C temp. coeff.</p> <p>SEMICONDUCTORS</p> <p>334 LM334 Semiconductor 592 AD592 Semiconductor, 273 μA @ 0 °C 592-10K AD592 Semicond. w/ 10 kΩ shunt resistor, 2.73 V @ 0 °C</p> <p>TEMPERATURE TRANSMITTERS</p> <p>T100[range] 100 Platinum RTD, 100 Ω @ 0 °C with 4 to 20 mA Output T100M[range] 100 Platinum RTD, 100 Ω @ 0 °C with MATCHED* 4 to 20 mA Output T1K[range] 1K Platinum RTD, 1,000 Ω @ 0 °C with 4 to 20 mA Output T1KM[range] 1K Platinum RTD, 1,000 Ω @ 0 °C with MATCHED* 4 to 20 mA Output T10K[range] 10K Thermister, 10,000 Ω @ 25 °C with 4 to 20 mA Output</p> <p>TEMPERATURE TRANSMITTER RANGES</p> <p>Custom temperature transmitter ranges are available. Common ranges are listed below</p> <table border="0"> <tr> <td>65 TO 80F</td> <td>18 TO 27C</td> <td>40 TO 90F</td> <td>4 TO 32C</td> </tr> <tr> <td>60 TO 80F</td> <td>15 TO 27C</td> <td>45 TO 96F</td> <td>7 TO 35C</td> </tr> <tr> <td>55 TO 85F</td> <td>13 TO 30C</td> <td>0 TO 100F</td> <td>-18 TO 38C</td> </tr> <tr> <td>50 TO 90F</td> <td>10 TO 32C</td> <td></td> <td></td> </tr> </table>	65 TO 80F	18 TO 27C	40 TO 90F	4 TO 32C	60 TO 80F	15 TO 27C	45 TO 96F	7 TO 35C	55 TO 85F	13 TO 30C	0 TO 100F	-18 TO 38C	50 TO 90F	10 TO 32C					<p>Thermistors \$18 Each</p> <p>RTD's \$25 Each or \$35 for 1K[Ni]</p> <p>Semi-conductors \$25 Each</p> <p>Temperature Transmitters \$90 for T100, T1K & T10K</p> <p>\$280 for T100M & T1KM</p>	<p>\$_____</p> <p>\$_____</p> <p>\$_____</p> <p>\$_____</p> <p>\$_____</p>
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Configuration																					
	-RSS	Powers Style Room Enclosure			\$30	\$_____															
Indicator Options																					
	-BM775	Bi-Metal Indicator: Brown 50 to 80 °F legend on a tan background			\$18	\$_____															
EXAMPLE																					
BA/	10K-2	-RSS	-BM775																		
Example Part Number: BA/10K-2-RSS-BM775						Total =	\$_____														
Your Part Number:																					

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

*Matched transmitters are certified at ambient temperature only. See certification pricing in "Terms & Conditions" for more information.

Rev. 01/07/09

Powers Style Enclosure
BA/1.8K-RSS



Powers Style Enclosure with Bi-metal Indicator
BA/1.8K-RSS-BM775



Example Part Numbers & Pricing for Powers Style Room Units

EXAMPLE PART NUMBERS

FOR THERMISTORS

<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/1.8K-RSS Powers Unit	\$48 (\$18+\$30)
BA/1.8K-RSS-BM775 Powers Unit with Indicator	\$66 (\$18+\$30+\$18 indicator)

EXAMPLE PART NUMBERS

FOR RTDS

<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/100-RSS Powers Unit	\$55 (\$25+\$30)
BA/100-RSS-BM775 Powers Unit with Indicator	\$73 (\$25+\$30+\$18 indicator)

EXAMPLE PART NUMBERS

FOR SEMICONDUCTORS

<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/334-RSS Powers Unit	\$55 (\$25+\$30)
BA/334-RSS-BM775 Powers Unit with Indicator	\$73 (\$25+\$30+\$18 indicator)

EXAMPLE PART NUMBERS

FOR TEMP. TRANSMITTER

<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/T100[65 TO 80F]-RSS Powers Unit	\$120 (\$90+\$30)
BA/T100[65 TO 80F]-RSS-BM775 Powers Unit with Indicator	\$138 (\$90+\$30+\$18 indicator)

Note: Higher accuracy thermistors (± 0.1 °C versus the standard ± 0.2 °C throughout the temperature range of 0 to 70 °C) are available for an additional charge. Please call BAPI for availability and price of the precision line of thermistors. Specify the higher accuracy thermistor in the part number by adding [XP] after the thermistor number. Example: BA/1.8K[XP]-RSS-BM775

Note: Higher accuracy RTDs are available for an additional charge. The Class A line has an interchangeability tolerance of ± 0.15 °C at 0 °C rather than the standard ± 0.3 °C at 0 °C. Please call BAPI for availability and price of the precision line of RTDs. Specify the higher accuracy RTD in the part number by adding [A] after the RTD number.

Example: BA/100[A]-RSS-BM775, BA/T100[A][65 TO 80F]-RSS-BM775