

2026 METRIC CATALOG



TEST INSTRUMENTS



TEMPERATURE



HUMIDITY



PRESSURE



AIR QUALITY



WIRELESS



ACCESSORIES



Changing the way you think about sensors...

A global company serving 150+ countries



BAPI headquarters in Gays Mills, Wisconsin, U.S.A.



BAPI manufacturing facility in Poland

Global Support

In 2017, BAPI opened a European Distribution Centre in Aldershot, Hampshire, to support our customers in the UK and Europe. In 2025, BAPI opened a manufacturing facility in Poland, and in 2026 we opened a manufacturing facility in Vietnam.

From these facilities we are able to provide product assembly, product training, technical support and sales support. In addition, we have regional sales offices in Canada, Australia, the United Arab Emirates, and India.

About Us

Building Automation Products, Inc. (BAPI) is a premier sensor manufacturer for the HVAC/R industry specialising in test instruments and sensors for temperature, humidity, pressure, air quality and related accessories. Originating in Cross Plains, WI in 1993, BAPI's first facility was a small two-car garage. Today, BAPI serves customers around the globe from our manufacturing facilities in Gays Mills, Poland & Vietnam.

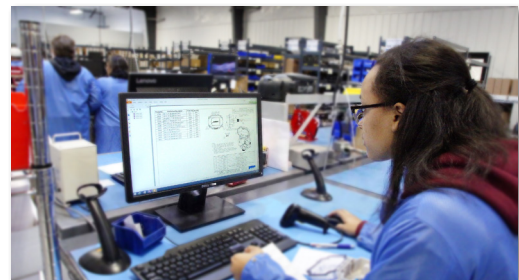
...it's in the details

BAPI continues the "...it's in the details" tradition by using the highest quality sensing elements paired with state-of-the-art manufacturing, meticulous testing and quality assurance to ensure a reliable product time after time. Since 1993, BAPI has forged a place in the marketplace by combining its expertise with customer feedback to find innovative ways to use advanced sensor technology on HVAC/R applications.



On-Site, Multi-Step Testing

Every product is tested at multiple steps in the manufacturing process to ensure quality and reliability.



Computer Aided Workstations

All of our workstations include a computer terminal with detailed prints and instructions to ensure accuracy.

THE BAPI DIFFERENCE



5-year Warranty Across Most Products

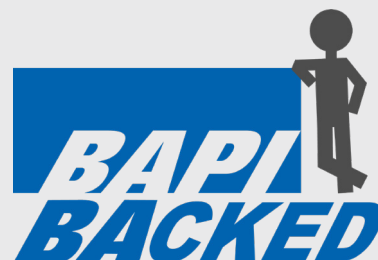
Our products are designed and manufactured to last. We back up that claim by offering a 5-year warranty across most of our products.

A lifetime limited warranty is also available on many of our single point, room and non-room temperature sensors.*

BAPI-Backed Product Credit

Most sensor manufacturers will replace their defective products, but only BAPI has the confidence to go beyond the industry standard.

BAPI-Backed means we stand behind everything we do. We are so confident in the quality of our products that if one fails within the warranty period, we will not only repair or replace it, but we'll provide a product credit to offset your incurred cost.*



0%

**RESTOCK FEE
FOR 30 DAYS**

0% Restock Fee on All Stock Products Within 30 days

New and unused received products that do not require repackaging or relabelling will not be charged for restocking if returned within 30 days.

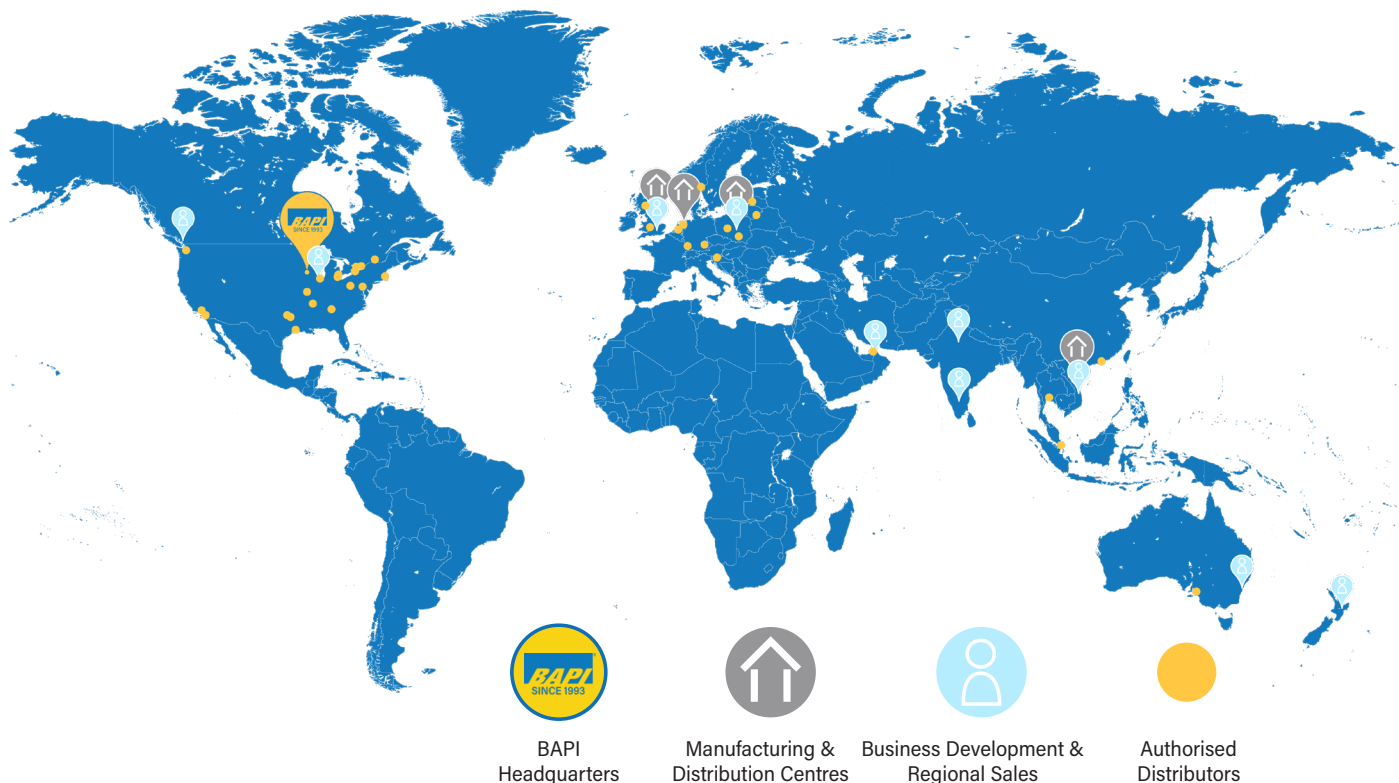
BAPI Original

BAPI Originals are unique products inspired by quality vendors, talented employees and valuable customers. These three ingredients combined create industry leading, original solutions.



*Terms and conditions apply. See www.bapihvac.com for details.

BAPI - A GLOBAL COMPANY



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CUSTOMER SUPPORT
customerservice@bapisensors.com



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sales representative
for your region

Catalog Table of Contents

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Ordering Information • Warranties • Certificates of Accuracy and Calibration



TEST INSTRUMENTS



Blu-Test is a suite of NIST-traceable test instruments with onboard data logging and Bluetooth communication with Android or iOS smart devices. The suite includes multiple probes for temperature, relative humidity and differential air pressure. The Blu-Test app is available from Google Play™ or the App Store® and features logging, trending and easy sharing of files.

NIST Traceable Test Instruments

Blü-Test - Wireless Test Instruments

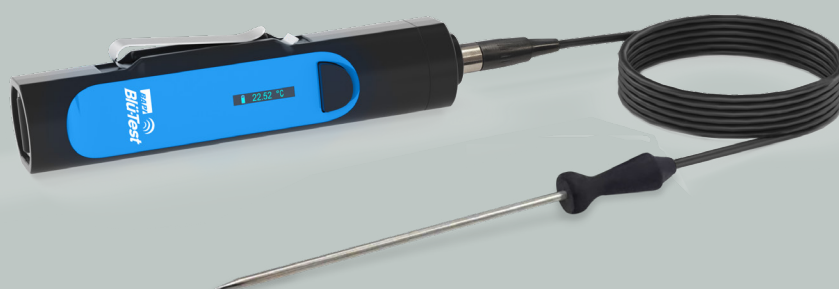
- NIST traceable test instruments for temperature, %RH and pressure
- Data logging and Bluetooth communication with Android and iOS devices
- Local display for immediate readings
- Each probe stores up to a million readings



pgs A2-A3



Blü-Test - Wireless Remote Temperature Piercing Tip



- NSF-certified unit with piercing tip probe, perfect for food safety and HACCP applications
- Data logging and Bluetooth communication with Android or iOS devices
- Local OLED display for immediate readings
- Logs are easily emailed
- Each probe body stores up to a million readings
- NIST-traceable calibration certificate included



pgs A4-A5



Features & Options

- NIST* traceable test instruments for temperature, relative humidity and differential pressure
- Data logging and Bluetooth communication with Android and iOS smart devices
- Local display for immediate readings
- Logs are easily emailed as a CSV
- Each probe stores up to a million readings



Blü-Test App Screens



Blü-Test Suite of Testing Probes

(3 probes on the right are shown with Duct Cone for measuring in a duct.)



Specifications

Power: 3.7V, 2,600 mAh Rechargeable Battery

Charging: Standard USB Charger, 1.5A or greater, Micro-USB cable included

Measurement Range:

Temperature: -40 to 85°C

%RH: 5 to 95% Non-condensing @ -40 to 70°C

Differential Pressure: Low Range: -250 to +250 Pa @ -20 to 70°C

Standard Range: -1,250 to +1,250 Pa @ -20 to 70°C

Accuracy - Temperature Only Probes: $\pm 0.1^\circ\text{C}$ from -25 to 75°C

Accuracy - Temp/Humidity Probes:

Temperature: ± 0.2 at 25°C

%RH: $\pm 1\%$ RH @ 25°C from 10 to 85% RH

Dew Point: ± 0.5 at 25°C

Accuracy - Differential Pressure Probes:

Low Range: $\pm 0.25\%$ of FS Span, -250 to +250 Pa @ 25°C

Standard Range: $\pm 0.25\%$ of FS Span, -1,250 to +1,250 Pa @ 25°C

Burst Pressure - Differential Pressure Probes:

Low Range: 103 kPa • Standard Range: 124 kPa

Communication: Bluetooth LE, Class 2 v4.2

Data Logging: 10 second intervals

Environmental Operating Range:

Blü-Test Body: -30 to 70°C

Temperature Probes: -40 to 85°C

%RH Probe: 5 to 95% Non-condensing @ -40 to 70°C

Pressure Probe: -20 to 70°C

FCC ID: Contains FCC ID 2AA9B04

Agency: CE EN 61326-1:2013 EMC, RoHS, NSF**



*NIST is the National Institute of Standards and Technology

**NSF is the National Sanitation Foundation



Blü-Test - Test Instrument Suite Ordering

A3

Temperature Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BLÜ-TEST PROBES

BA/BT-TP	Blü-Test Temperature, 100mm length piercing, 3.2mm diameter	\$600
BA/BT-TA	Blü-Test Temperature, 150mm length, 6.4mm diameter.....	\$600
BA/BT-TB	Blü-Test Temperature, 240mm length, 6.4mm diameter.....	\$600
BA/BT-TH	Blü-Test Temp/Humidity, 200mm length, 9.5mm diameter	\$675
BA/BT-DPLR	Blü-Test Differential Pressure, Low Range, -250 to +250 Pa	\$800
BA/BT-DPSR	Blü-Test Diff. Pressure, Standard Range, -1,250 to +1,250 Pa.....	\$800

BLÜ-TEST CASE

BA/BT-HVAC-CASE	Carrying case for Blü-Test probes, holds up to six probes	\$125
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BLÜ-TEST BUNDLE

BA/BT-HVAC-BUNDLE	One of each probe listed above in a carrying case	\$4,075
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BLÜ-TEST RECERTIFICATION

BA/BT-TP-RECERT	Recertification of Blü-Test Piercing Temperature.....	\$50 Net
BA/BT-TA-RECERT	Recertification of Blü-Test 150mm Temperature.....	\$50 Net
BA/BT-TB-RECERT	Recertification of Blü-Test 240mm Temperature.....	\$50 Net
BA/BT-TH-RECERT	Recertification of Blü-Test Temp/Humidity	\$100 Net
BA/BT-DPLR-RECERT	Recertification of Blü-Test Differential Pressure Low Range	\$100 Net
BA/BT-DPSR-RECERT	Recertification of Blü-Test Differential Pressure Standard Range	\$100 Net

BLÜ-TEST REFURBISHMENT

BA/BT-TP-REFURB	Refurbishment of Blü-Test Piercing Temperature	\$50 Net
BA/BT-TA-REFURB	Refurbishment of Blü-Test 150mm Temperature	\$50 Net
BA/BT-TB-REFURB	Refurbishment of Blü-Test 240mm Temperature	\$50 Net
BA/BT-TH-REFURB	Refurbishment of Blü-Test Temp/Humidity	\$100 Net
BA/BT-DPLR-REFURB	Refurbishment of Blü-Test Differential Pressure Low Range	\$100 Net
BA/BT-DPSR-REFURB	Refurbishment of Blü-Test Differential Pressure Standard Range	\$100 Net

(Refurbishment includes replacement of the battery on all units and the sensing element on Temperature and Temp/Humidity units.)

Gray shaded items follow the Buy and Resale Multiplier.

Blü-Test App Features

Free App

Android OS 5.1 or Apple iOS 10 or higher required

View live data from multiple probes

Review and email log files



The Blü-Test App is available for download at Google Play and the App Store.



Google Play and the Google Play logo are trademarks of Google LLC. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc.



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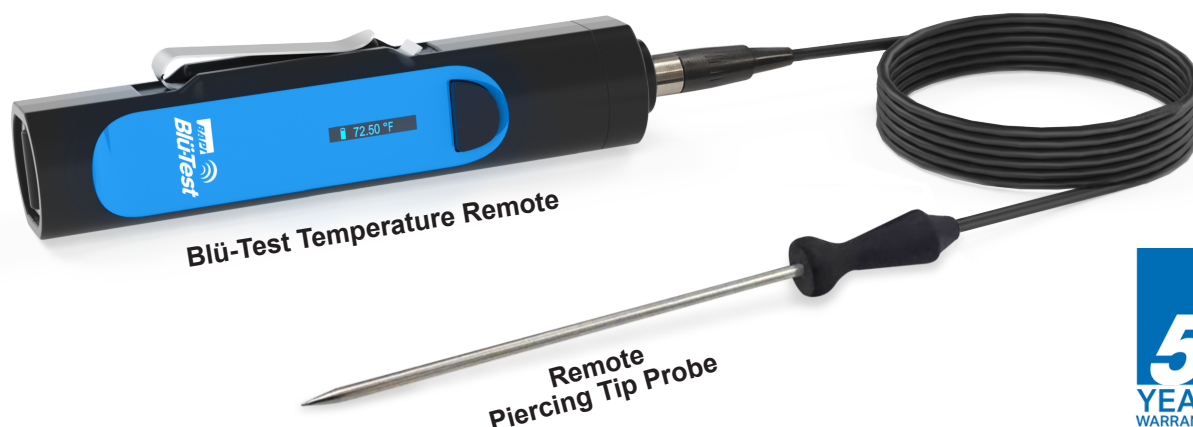


Features & Options

- Piercing tip probe
- NSF certified, perfect for food safety and HACCP applications
- Data logging and Bluetooth communication with Android or iOS smart devices
- User-friendly app with trending and other features
- Local OLED display for immediate readings
- Logs are easily emailed for use in commissioning, troubleshooting or comparing against the BAS
- Each probe body stores up to a million readings
- NIST-traceable calibration certificate included



Blü-Test App Screens



Specifications

Power: 3.7V, 2,600 mAh Rechargeable Battery

Charging:

Standard USB Charger, 1.5A or greater, Micro-USB cable included

Environmental Operating Range:

Probe Body: -30 to 70°C

Piercing Probe: -40 to 232°C

Testing Medium: 0 to 232°C

Entire Measurement Range: -40 to 600°C

Calibrated System Accuracy*:

±0.25°C @ -25 to 125°C*

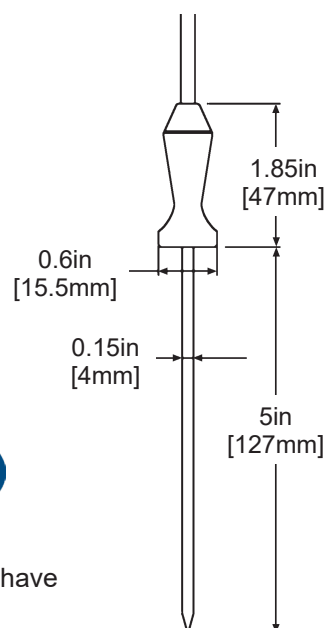
±0.5°C @ -75 to 175°C*

Communication: Bluetooth LE, Class 2 v4.2

Data Logging: 10 second intervals

Agency: CE EN 61326-1:2013 EMC, RoHS, NSF

FCC ID: Contains FCC ID 2AA9B04



*Calibrated accuracy only applies to piercing probe and remote body that have matching serial number labels.

NIST is the National Institute of Standards and Technology

NSF is the National Sanitation Foundation



Blü-Test - Remote Temperature Piercing Tip Ordering

Temperature Sensors

A5

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BLÜ-TEST PROBES

BA/BTR-TPR.....Blü-Test Temperature Remote and Remote Piercing Tip Probe.....\$800

BLÜ-TEST CASE

BA/BT-HVAC-CASECarrying case for Blü-Test probes, holds up to six probes..... \$125

BLÜ-TEST REFURBISHMENT

BA/BT-A-REFURB.....Refurbishment of Blü-Test Temperature Remote\$50 Net

(Refurbishment includes replacement of the battery on all units and the sensing element on Temperature and Temp/Humidity units.)

Gray shaded items follow the Buy and Resale Multiplier.

Blü-Test Bundle

A complete set of all six Blü-Test units and a handy carrying case is available as a bundle. The bundle includes:

- Blü-Test Temperature, 100mm length piercing, 3.2mm diameter
- Blü-Test Temperature, 150mm length, 6.4mm diameter
- Blü-Test Temperature, 240mm length, 6.4mm diameter
- Blü-Test Temp/Humidity, 200mm length, 9.5mm diameter
- Blü-Test Differential Pressure, Low Range, -250 to +250 Pa
- Blü-Test Differential Pressure, Standard Range, -1,250 to +1,250 Pa

See the Blü-Test Suite datasheet for more information.



Blü-Test App Features

Free App

Android OS 5.1 or Apple iOS 10 or higher required

View live data from multiple probes

Review and email log files



The Blü-Test App is available for download at Google Play and the App Store.



Google Play and the Google Play logo are trademarks of Google LLC. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc.



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SAVE TIME & MONEY!

Choose BAPI's Test and Balance Switch when ordering your next sensor!

BAPI's test and balance switch allows engineers and technicians to verify a sensor's location and operation within the BMS without physically accessing the probe.

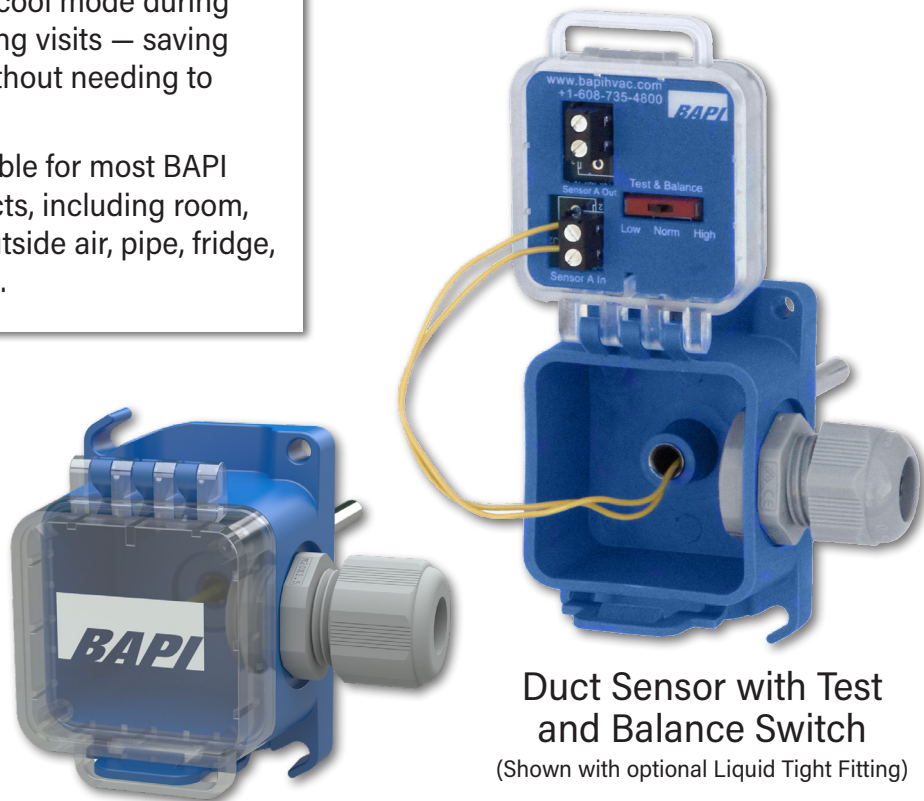
During installation, commissioning, and maintenance, the switch eliminates the hassle of reaching difficult probes by sending specific resistance values back to the BMS with a simple flick inside the sensor enclosure.

The resistance values also correspond to low and high temperature readings, letting technicians quickly place a zone into full heat or full cool mode during testing and balancing visits — saving time and money without needing to access the BMS.

The switch is available for most BAPI temperature products, including room, duct, immersion, outside air, pipe, fridge, and freezer sensors.



BAPI's Test & Balance Switch — Safe, Fast & Accurate —

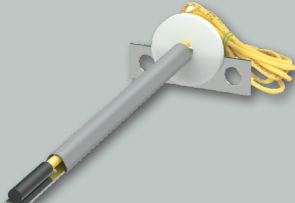
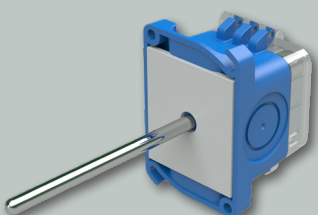
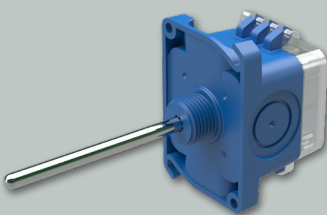
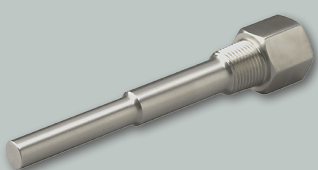
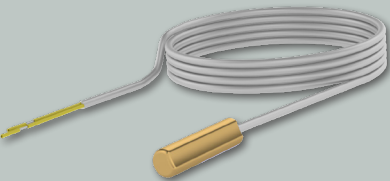
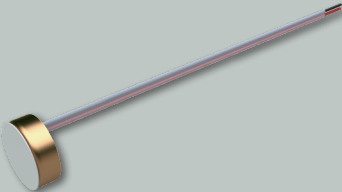


Duct Sensor with Test and Balance Switch

(Shown with optional Liquid Tight Fitting)

Any temperature sensor using the BAPI-Box Crossover enclosure can be ordered with a Test & Balance Switch by simply adding "-TB" to the end of the part number.



Temperature Sensors		
BAPI-Stat “Quantum”  pg B2	BAPI-Stat “Quantum” without Display  pg B4	BAPI-Stat “Quantum Prime”  pg B6
BAPI-Stat “Quantum Slim”  pg B8	Low Profile “Button” Sensor  pg B10	T-Stik Sensor  pg B11
Duct Sensor  pg B12	Averaging Sensors  Flexible - B14  Rigid - B16 pgs B14-17	Immersion Sensor  pg B18
Thermowells for Immersion Sensor  pg B20	Outside Air Sensor  pg B21	Clamp and Strap Sensors  pg B22
Remote Probe Sensor  pg B24	Thermobuffer Sensor  pg B26	Surface Sensor  pg B28



Features & Options

- BAPI-Stat "Quantum" Enclosure Style with Higher Contrast Display for Improved Clarity at Greater Distances
- Pushbutton Setpoint Adjustment and Override
- Large Display with Multiple Indicators and Icons
- 10 to 32°C or -3 to +3 Setpoint Range

The BAPI-Stat "Quantum" room temperature sensors feature a modern enclosure style with pushbutton setpoint adjustment and override. The LCD can display both temperature and room occupancy status. The display has been upgraded for higher contrast, providing improved clarity at greater distances.

The unit comes with a 10 to 32°C or -3 to +3 setpoint range and 0 to 10V setpoint output, as well as a pushbutton occupancy override. The optional 60mm mounting base fits European style junction boxes.



**BAPI-Stat
"Quantum"
with Standard
Mounting Base**



**BAPI-Stat
"Quantum"
with 60mm
Mounting Base**

Specifications

Power:

15 to 40 VDC (24 VDC nominal)

15 to 28 VAC (24 VAC nominal)

Note: AC power requires a separate pair of shielded wires.

Power Consumption:

13 mA max DC; 0.32 VA max AC

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Setpoint:

10 to 32°C or -3 to +3 range, 0 to 10V output

Occupancy Override:

A separate two-wire momentary switch closure

Wiring:

6 pair of 16 to 22AWG*

Mounting:

European junction box, drywall mount (screws provided) or U.S. junction box

Environmental Operating Range:

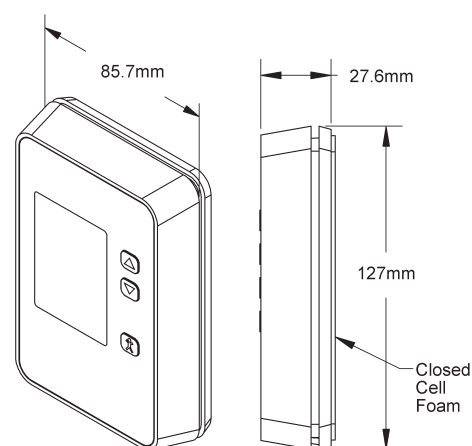
Temperature: 0 to 50°C

Humidity: 0 to 95%, non-condensing

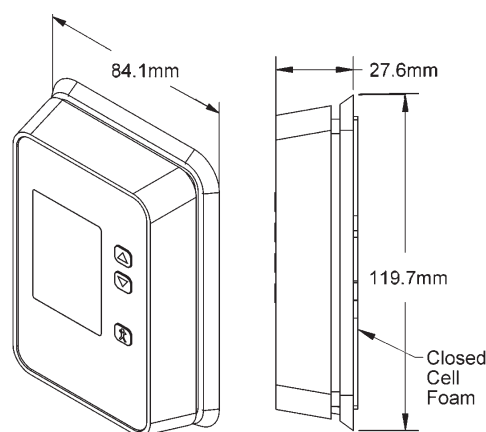
Enclosure Material: ABS plastic, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS

*BAPI recommends that you do not run wiring for the Room Units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils. Also, these units are not designed for line voltage applications.



Unit with Standard Mounting Base



Unit with 60mm Mounting Base



BAPI-Stat "Quantum" with Display Ordering

B3**Temperature Sensors**Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****UNITS WITH 10 TO 32°C SETPOINT RANGE & STANDARD MOUNTING BASE**

- BA/TQC-B-2-C10-J**....BAPI-Stat Quantum w/ Display, 10K-2 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-C-2-C10-J**....BAPI-Stat Quantum w/ Display, 10K-3 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-V-2-C10-J**....BAPI-Stat Quantum w/ Display, 10K-4 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-A-2-C10-J**....BAPI-Stat Quantum w/ Display, 1K Plat. RTD (385 Curve), 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125

UNITS WITH 10 TO 32°C SETPOINT RANGE & 60mm MOUNTING BASE

- BA/TQ60C-B-2-C10-J**..BAPI-Stat Quantum w/ Display, 10K-2 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-C-2-C10-J**..BAPI-Stat Quantum w/ Display, 10K-3 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-V-2-C10-J**..BAPI-Stat Quantum w/ Display, 10K-4 Thermistor, 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-A-2-C10-J**..BAPI-Stat Quantum w/ Display, 1K Plat. RTD (385 Curve), 10 to 32°C Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125

UNITS WITH -3 TO +3 SETPOINT RANGE & STANDARD MOUNTING BASE

- BA/TQC-B-2-A10-J**....BAPI-Stat Quantum w/ Display, 10K-2 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-C-2-A10-J**....BAPI-Stat Quantum w/ Display, 10K-3 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-V-2-A10-J**....BAPI-Stat Quantum w/ Display, 10K-4 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125
- BA/TQC-A-2-A10-J**....BAPI-Stat Quantum w/ Display, 1K Plat. RTD (385 Curve), -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, Standard Base\$125

UNITS WITH -3 TO +3 SETPOINT RANGE & 60mm MOUNTING BASE

- BA/TQ60C-B-2-A10-J**..BAPI-Stat Quantum w/ Display, 10K-2 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-C-2-A10-J**..BAPI-Stat Quantum w/ Display, 10K-3 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-V-2-A10-J**..BAPI-Stat Quantum w/ Display, 10K-4 Thermistor, -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125
- BA/TQ60C-A-2-A10-J**..BAPI-Stat Quantum w/ Display, 1K Plat. RTD (385 Curve), -3 to +3 Setpoint Range, 0 to 10 V Setpoint Output, Override as a Separate Output, 60mm Base.....\$125

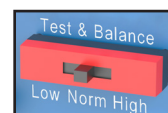
Add "-F" to the end of any part number to add a Test & Balance Switch to the circuit board.

Example: BA/TQ60C-B-2-A10-J-F

(\$7.50 additional list price for Test and Balance Switch).

**Test & Balance Switch**

The switch lets you easily verify a sensor's location and operation within the BMS with the flip of a switch. The switch can also place the zone into full heat or full cool mode for testing.





Features & Options

- BAPI-Stat “Quantum” Enclosure Style
- Optional Slider Setpoint Adjustment and Occupancy Override
- 0 to 20K Ohm Setpoint Output
- Standard or 60mm Mounting Base

The BAPI-Stat “Quantum” sensors without display feature a modern enclosure style with optional slider setpoint adjustment and override. The 60mm mounting base fits European style junction boxes.

The optional setpoint comes as a slider on the side with 0 to 20K Ohms output. The optional occupancy override comes as a momentary pushbutton on the side with a two-wire output. The optional 60mm mounting base fits European style junction boxes.



**BAPI-Stat
“Quantum”
with Standard
Mounting Base**

**BAPI-Stat
“Quantum”
with 60mm
Mounting Base**



Specifications

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Setpoint:

0 to 20K Ohms

Occupancy Override:

A separate two-wire momentary switch closure

Wiring:

1 to 3 pair of 16 to 22AWG

Mounting:

European junction box, drywall mount (screws provided)
or U.S. junction box

Environmental Operating Range:

Temperature: 0 to 50°C

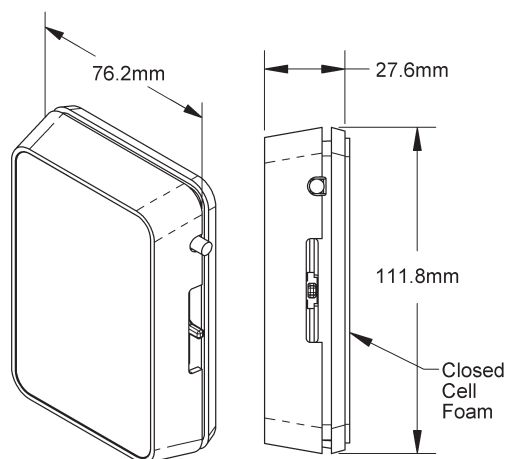
Humidity: 0 to 95%, non-condensing

Enclosure Material:

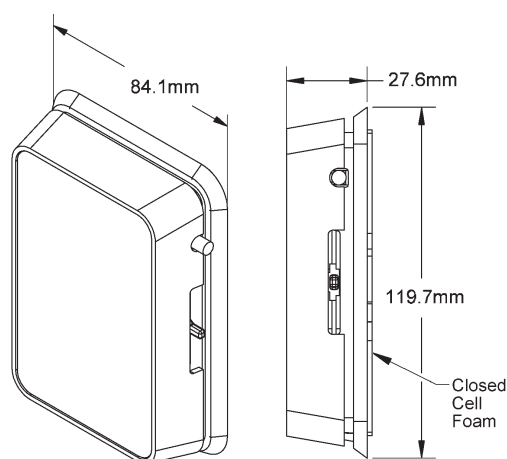
ABS plastic, UL94 V-0

Agency:

CE EN 61000-6-2 EMC, RoHS



Unit with Standard Mounting Base



Unit with 60mm Mounting Base



BAPI-Stat "Quantum" without Display Ordering

B5**Temperature Sensors**Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****UNITS WITH SETPOINT, OVERRIDE & STANDARD MOUNTING BASE**

BA/10K-2-BQ80L8-J-CG ...BAPI-Stat Quantum without Display, 10K-2 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, Standard Base.....	\$36
BA/10K-3-BQ80L8-J-CG ...BAPI-Stat Quantum without Display, 10K-3 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, Standard Base.....	\$36
BA/10K-4-BQ80L8-J-CG ...BAPI-Stat Quantum without Display, 10K-4 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, Standard Base.....	\$36
BA/1K-BQ80L8-J-CGBAPI-Stat Quantum without Display, 1K Plat. RTD (385 Curve), 0 to 20K Ω Setpoint, Override as a Separate Output, Standard Base	\$43

UNITS WITH SETPOINT, OVERRIDE & 60mm MOUNTING BASE

BA/10K-2-BQEU80L8-J-CG ..BAPI-Stat Quantum without Display, 10K-2 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, 60mm Base	\$36
BA/10K-3-BQEU80L8-J-CG ...BAPI-Stat Quantum without Display, 10K-3 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, 60mm Base	\$36
BA/10K-4-BQEU80L8-J-CG ..BAPI-Stat Quantum without Display, 10K-4 Thermistor, 0 to 20K Ω Setpoint, Override as a Separate Output, 60mm Base	\$36
BA/1K-BQEU80L8-J-CGBAPI-Stat Quantum without Display, 1K Plat. RTD (385 Curve), 0 to 20K Ω Setpoint, Override as a Separate Output, 60mm Base	\$43

UNITS WITH NO SETPOINT OR OVERRIDE & STANDARD MOUNTING BASE

BA/10K-2-BQ-Z-CGBAPI-Stat Quantum without Display, 10K-2 Thermistor, No Setpoint or Override, Standard Base.....	\$25
BA/10K-3-BQ-Z-CGBAPI-Stat Quantum without Display, 10K-3 Thermistor, 0 to 20K Ω Setpoint, No Setpoint or Override, Standard Base.....	\$25
BA/10K-4-BQ-Z-CGBAPI-Stat Quantum without Display, 10K-4 Thermistor, 0 to 20K Ω Setpoint, No Setpoint or Override, Standard Base.....	\$25
BA/1K-BQ-Z-CGBAPI-Stat Quantum without Display, 1K Plat. RTD (385 Curve), No Setpoint or Override, Standard Base.....	\$32

UNITS WITH NO SETPOINT OR OVERRIDE & 60mm MOUNTING BASE

BA/10K-2-BQEU-Z-CGBAPI-Stat Quantum without Display, 10K-2 Thermistor, No Setpoint or Override, 60mm Base	\$25
BA/10K-3-BQEU-Z-CGBAPI-Stat Quantum without Display, 10K-3 Thermistor, 0 to 20K Ω Setpoint, No Setpoint or Override, 60mm Base	\$25
BA/10K-4-BQEU-Z-CGBAPI-Stat Quantum without Display, 10K-4 Thermistor, 0 to 20K Ω Setpoint, No Setpoint or Override, 60mm Base	\$25
BA/1K-BQEU-Z-CGBAPI-Stat Quantum without Display, 1K Plat. RTD (385 Curve), No Setpoint or Override, 60mm Base	\$32

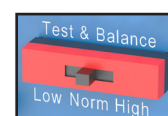
Add "-F" to the end of any part number to add a Test & Balance Switch to the circuit board.

Example: BA/10K-2-BQEU-Z-CG-F

(\$7.50 additional list price for Test and Balance Switch).

Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS with the flip of a switch. The switch can also place the zone into full heat or full cool mode for testing.





Features & Options

- BAPI-Stat "Quantum Prime" Enclosure Style
- Membrane Keypad for Wipedown Cleaning
- Temperature and Humidity Setpoint Adjustment
- Standard or 60mm Mounting Base

The BAPI-Stat "Quantum Prime" is designed for operating rooms, clean rooms and elder care facilities. It features a large display and membrane keypad for wipedown cleaning. It is available with temperature and humidity measurement, temperature and humidity setpoint and occupant override.

The unit includes a number of field adjustments including °F or °C display, temperature and humidity offset and setpoint lockout. The display can also be set to show a large temperature and small %RH reading or a large %RH and a small temperature reading. The 60mm mounting base fits European style junction boxes.



**BAPI-Stat
"Quantum
Prime"**

(Bottom image shown with 60mm mounting base)

Specifications

Power Supply:

15 to 40 VDC (15 to 24 VDC Recommended) or 15 to 28 VAC (Requires a separate pair of shielded wires)

Power Consumption:

75 mA max DC (6mA typical) or 1.9 VA max AC (0.2VA typical)

Voltage Output:

0 to 10 VDC, Impedance >10KΩ

Override Relay Output:

N.O., 500 mA @ 24 VDC max

Override Confirmation Input:

5 VDC or 24 VDC/VAC

Temperature Sensing Elements:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Temperature Sensing Elements:

Capacitive Polymer, $\pm 2\%\text{RH}$

Mounting:

European junction box, drywall or U.S. junction box

Environmental Operating Range:

Temperature: 0 to 50°C

Humidity: 0 to 95%, non-condensing

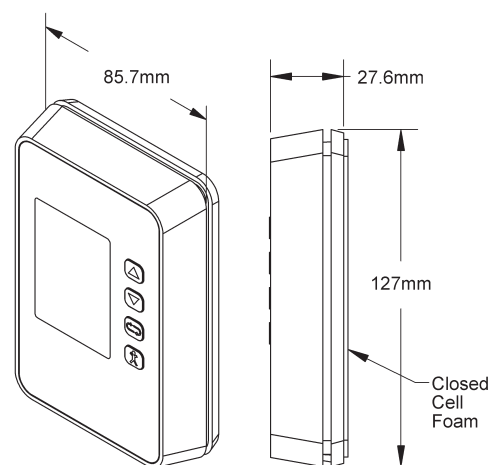
Storage: 0 to 85°C

Wiring: 2 to 6 pair of 16 to 22 AWG*

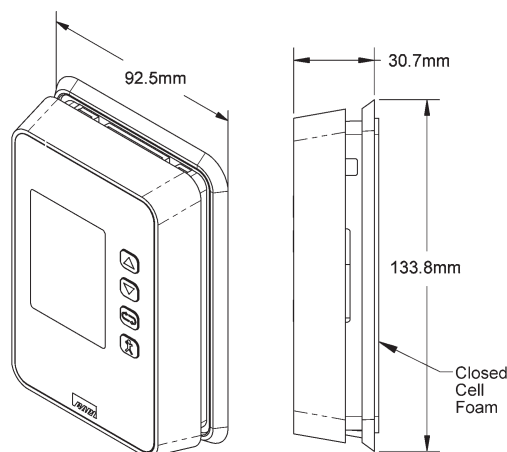
Enclosure Material: ABS Plastic, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS

*BAPI recommends that you do not run wiring for room units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils.



Unit with Standard Mounting Base



Unit with 60mm Mounting Base

**Part Number****USD LIST****UNITS WITHOUT %RH SETPOINT ADJUSTMENT****BA/HQP60C2-7C-16M-X-60CG-B**

BAPI-Stat "Quantum Prime", 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-C

BAPI-Stat "Quantum Prime", 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-V

BAPI-Stat "Quantum Prime", 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-A

BAPI-Stat "Quantum Prime", 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$405

BA/HQP60C2-6C-16M-25C10CG-60CG-X

BAPI-Stat "Quantum Prime", 0 to 10 V Temp. Output with 10 to 32°C Range, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base .. \$430

UNITS WITH %RH SETPOINT ADJUSTMENT**BA/HQP60C2-8M-16M-25C10CG-60CG-B**

BAPI-Stat "Quantum Prime", 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-C

BAPI-Stat "Quantum Prime", 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-V

BAPI-Stat "Quantum Prime", 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-A

BAPI-Stat "Quantum Prime", 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10V Output, Override as a Separate Output, 60mm Base\$455

BA/HQP60C2-6C-16M-25C10CG-47M10CG-61CG-X

BAPI-Stat "Quantum Prime", 0 to 10 V Temperature Output with 10 to 32°C Range, 10 to 32°C Setpoint Range with 0 to 10V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override in Parallel with the %RH Setpoint, 60mm Base\$480

Remove the "60" after HQP in the part number for a standard base instead of the 60mm base.

Example: BA/HQPC2-8M-16M-25C10CG-60CG-B





Features & Options

- BAPI-Stat “Quantum Slim” Enclosure Style
- White or Black Color Option
- Four Temperature Sensing Element Options

The BAPI-Stat “Quantum Slim” temperature sensor is designed for applications where a temperature output is required with a sleek, low profile room enclosure.

The unit is available with a 10K-2, 10K-3 or 10K-4 thermistor or a 1K Platinum RTD temperature sensor. Ideal for locations where aesthetics are as important as the temperature measurement.



**BAPI-Stat
“Quantum Slim”
Sensors**



Specifications

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Setpoint:

0 to 20K Ohms

Occupancy Override:

A separate two-wire momentary output

Wiring:

1 to 3 pair of 16 to 22AWG

Mounting:

European junction box, drywall mount (screws provided)
or U.S. junction box

Environmental Operating Range:

Temperature: 0 to 50°C

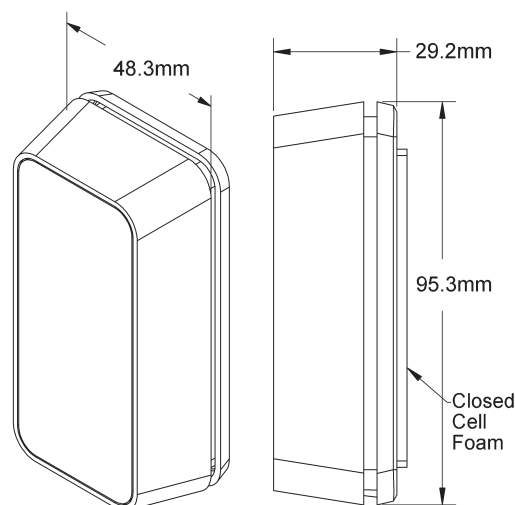
Humidity: 0 to 95%, non-condensing

Enclosure Material:

ABS plastic, UL94 V-0

Agency:

CE, RoHS





BAPI-Stat "Quantum Slim" Ordering

Temperature Sensors

B9

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

WHITE UNITS

BA/QS-W-B	White BAPI-Stat "Quantum Slim" with 10K-2 Thermistor	\$25
BA/QS-W-C	White BAPI-Stat "Quantum Slim" with 10K-3 Thermistor	\$25
BA/QS-W-V	White BAPI-Stat "Quantum Slim" with 10K-4 Thermistor	\$25
BA/QS-W-A	White BAPI-Stat "Quantum Slim" with 1K Platinum RTD (385 curve)	\$32

BLACK UNITS

BA/QS-B-B	Black BAPI-Stat "Quantum Slim" with 10K-2 Thermistor	\$30
BA/QS-B-C	Black BAPI-Stat "Quantum Slim" with 10K-3 Thermistor	\$30
BA/QS-B-V	Black BAPI-Stat "Quantum Slim" with 10K-4 Thermistor	\$30
BA/QS-B-A	Black BAPI-Stat "Quantum Slim" with 1K Platinum RTD (385 curve)	\$37





Features & Options

- Small Flush Sensor Mounting
- Accurate Direct Air Measurement
- Paintable with Latex or Oil Base
- White or Black Color Option
- Four Temperature Sensing Element Options

The Low Profile "Button" Sensor is ideal for locations where aesthetics are as important as the temperature measurement. The inconspicuous wall sensor mounts easily by pushing through a 13mm hole and secured with a peel-off insulating adhesive ring. The only visible portion is a flush 22mm dot on the wall.

The Low Profile "Button" Sensor is available in white or black color with a 10K-2, 10K-3 or 10K-4 thermistor or a 1K Platinum RTD temperature sensor.



Ordering

Part Number

USD LIST

WHITE UNITS

BA/10K-2-LPW	White Low Profile "Button" Sensor with 10K-2 Thermistor	\$25
BA/10K-3-LPW	White Low Profile "Button" Sensor with 10K-3 Thermistor	\$25
BA/10K-4-LPW	White Low Profile "Button" Sensor with 10K-4 Thermistor	\$25
BA/1K-LPW	White Low Profile "Button" Sensor with 1K Platinum RTD (385 curve)	\$32

BLACK UNITS

BA/10K-2-LPB	Black Low Profile "Button" Sensor with 10K-2 Thermistor	\$30
BA/10K-3-LPB	Black Low Profile "Button" Sensor with 10K-3 Thermistor	\$30
BA/10K-4-LPB	Black Low Profile "Button" Sensor with 10K-4 Thermistor	\$30
BA/1K-LPB	Black Low Profile "Button" Sensor with 1K Platinum RTD (385 curve)	\$37

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Lead Wires: 15mm etched Teflon leads

Mounting:

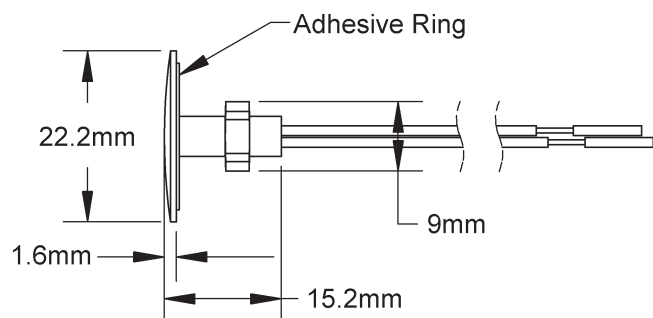
13mm hole, push-in plastic sheath with peel-off insulating adhesive ring.

Environmental Operating Range:

-40 to 85°C
 0 to 100%RH, Non-condensing

Enclosure Material: ABS plastic, UL94 V-0

Agency: CE, RoHS



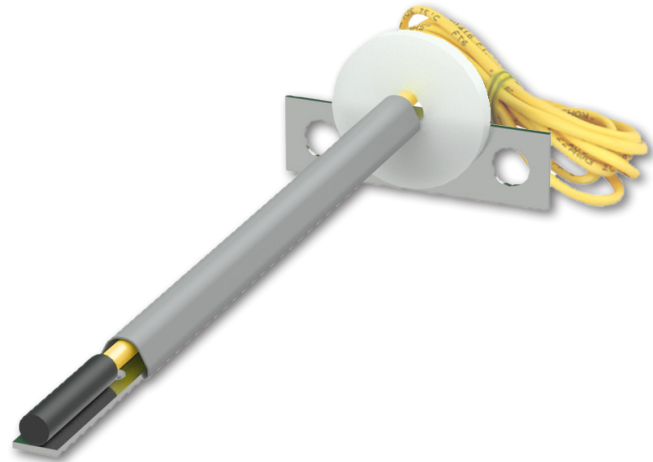


Features & Options

- Mounting tabs for easy installation
- 128mm probe length
- 2.0m plenum-rated cable leads
- Four Temperature Sensing Element Options

The T-Stik is good for Unitary Supply Air Temperature sensing due to its quicker response time over a duct probe.

The unit includes an encapsulated sensor attached to a 128mm metal bracket. The foam backing provides a seal for the probe insertion hole and absorbs vibration. It also includes mounting tabs for easy installation.



Ordering

Part Number	Description	USD LIST
BA/10K-2-TK-2.0m	T-Stik Sensor with 10K-2 Thermistor, 2.0m plenum-rated cable	\$25
BA/10K-3-TK-2.0m	T-Stik Sensor with 10K-3 Thermistor, 2.0m plenum-rated cable	\$25
BA/10K-4-TK-2.0m	T-Stik Sensor with 10K-4 Thermistor, 2.0m plenum-rated cable	\$25
BA/1K-TK-2.0m	T-Stik Sensor with 1K Platinum RTD (385 curve), 2.0m plenum-rated cable	\$32

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Environmental Operating Range:

Temperature: -40 to 100°C

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Mounting:

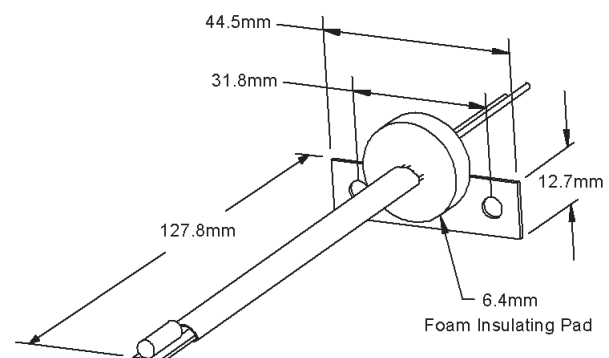
Extension tabs

Probe:

Encapsulated sensor attached to a 128mm metal bracket

Cable:

2.0m plenum-rated cable





Features & Options

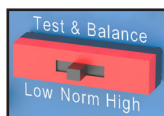
- Series 304 Stainless Steel Probes: 100 to 450mm
- Double Encapsulated Sensors & Etched Teflon Leads
- J-Box, No Box or the BAPI-Box Crossover Enclosure

Duct Units feature closed cell foam to seal the probe insertion hole and to absorb vibration, and mounting tabs for easy installation directly to the wall of the duct. All Duct Units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can perform under real world conditions.

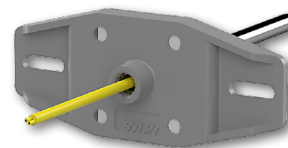
Duct units come standard with a steel J-Box but are also available with No Box, or the BAPI-Box Crossover.

Test & Balance Switch

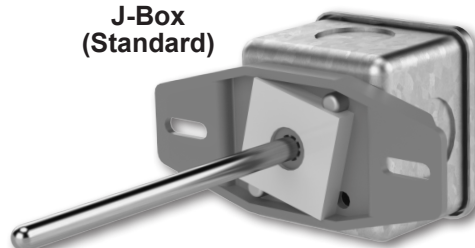
The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.



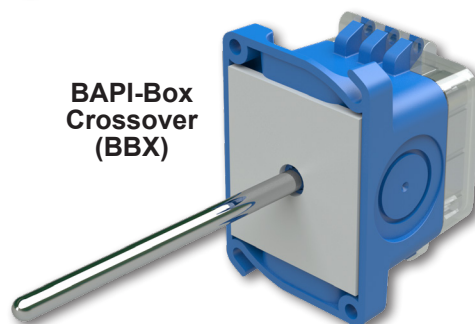
No Box
(NB)



J-Box
(Standard)



BAPI-Box
Crossover
(BBX)



Specifications

Environmental Operating Range:

Temperature:

BBX: -40 to 85°C

J-Box: -40 to 105°C

No Box: -20 to 75°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Probe Material:

Stainless Steel, 6.4mm diameter

Enclosure Material:

J-Box: Galvanized Steel

BBX: Polycarbonate (UL94 V-0)
and Nylon (UL94 HB)

No Box Lead Wires:

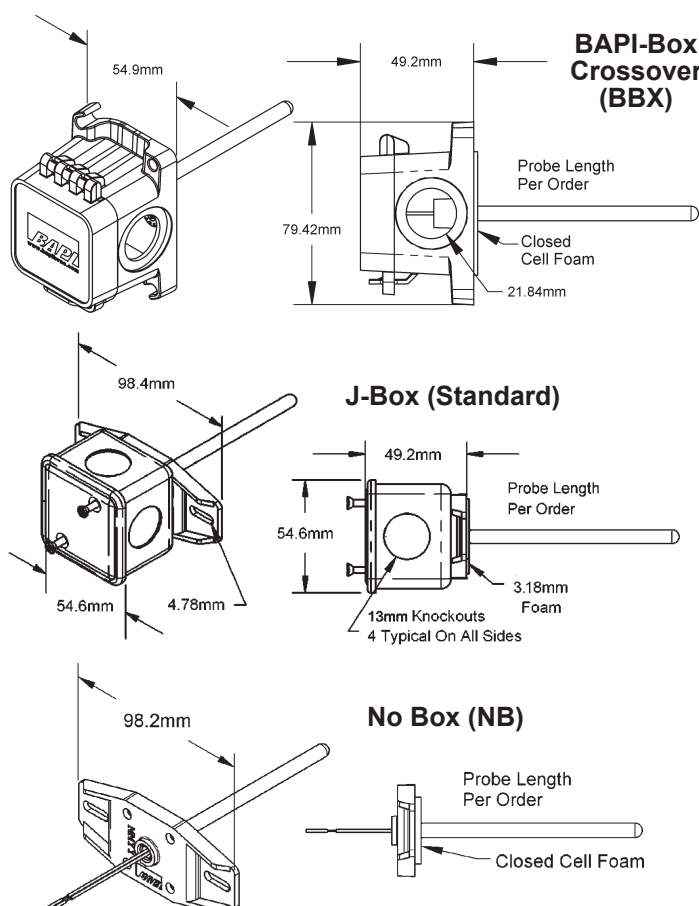
450mm Etched Teflon Leads

Enclosure Rating:

J-Box: IP20, NEMA 1

BBX: IP10, NEMA 1

(IP44 with knockout plug)





Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

J-BOX UNITS

BA/10K-2-D-100mm	Duct Unit, 10K-2 Thermistor, 100mm Probe, Steel J-Box	\$25
BA/10K-2-D-200mm	Duct Unit, 10K-2 Thermistor, 200mm Probe, Steel J-Box	\$25
BA/10K-2-D-300mm	Duct Unit, 10K-2 Thermistor, 300mm Probe, Steel J-Box	\$25
BA/10K-2-D-450mm	Duct Unit, 10K-2 Thermistor, 450mm Probe, Steel J-Box	\$25
BA/10K-3-D-100mm	Duct Unit, 10K-3 Thermistor, 100mm Probe, Steel J-Box	\$25
BA/10K-3-D-200mm	Duct Unit, 10K-3 Thermistor, 200mm Probe, Steel J-Box	\$25
BA/10K-3-D-300mm	Duct Unit, 10K-3 Thermistor, 300mm Probe, Steel J-Box	\$25
BA/10K-3-D-450mm	Duct Unit, 10K-3 Thermistor, 450mm Probe, Steel J-Box	\$25
BA/10K-4-D-100mm	Duct Unit, 10K-4 Thermistor, 100mm Probe, Steel J-Box	\$25
BA/10K-4-D-200mm	Duct Unit, 10K-4 Thermistor, 200mm Probe, Steel J-Box	\$25
BA/10K-4-D-300mm	Duct Unit, 10K-4 Thermistor, 300mm Probe, Steel J-Box	\$25
BA/10K-4-D-450mm	Duct Unit, 10K-4 Thermistor, 450mm Probe, Steel J-Box	\$25
BA/1K-D-100mm	Duct Unit, 1K Platinum RTD (385 Curve), 100mm Probe, Steel J-Box	\$32
BA/1K-D-200mm	Duct Unit, 1K Platinum RTD (385 Curve), 200mm Probe, Steel J-Box	\$32
BA/1K-D-300mm	Duct Unit, 1K Platinum RTD (385 Curve), 300mm Probe, Steel J-Box	\$32
BA/1K-D-450mm	Duct Unit, 1K Platinum RTD (385 Curve), 450mm Probe, Steel J-Box	\$32

NO BOX UNITS

BA/10K-2-D-100mm-NB-18	Duct Unit, 10K-2 Thermistor, 100mm Probe, No Box	\$25
BA/10K-2-D-200mm-NB-18	Duct Unit, 10K-2 Thermistor, 200mm Probe, No Box	\$25
BA/10K-2-D-300mm-NB-18	Duct Unit, 10K-2 Thermistor, 300mm Probe, No Box	\$25
BA/10K-2-D-450mm-NB-18	Duct Unit, 10K-2 Thermistor, 450mm Probe, No Box	\$25
BA/10K-3-D-100mm-NB-18	Duct Unit, 10K-3 Thermistor, 100mm Probe, No Box	\$25
BA/10K-3-D-200mm-NB-18	Duct Unit, 10K-3 Thermistor, 200mm Probe, No Box	\$25
BA/10K-3-D-300mm-NB-18	Duct Unit, 10K-3 Thermistor, 300mm Probe, No Box	\$25
BA/10K-3-D-450mm-NB-18	Duct Unit, 10K-3 Thermistor, 450mm Probe, No Box	\$25
BA/10K-4-D-100mm-NB-18	Duct Unit, 10K-4 Thermistor, 100mm Probe, No Box	\$25
BA/10K-4-D-200mm-NB-18	Duct Unit, 10K-4 Thermistor, 200mm Probe, No Box	\$25
BA/10K-4-D-300mm-NB-18	Duct Unit, 10K-4 Thermistor, 300mm Probe, No Box	\$25
BA/10K-4-D-450mm-NB-18	Duct Unit, 10K-4 Thermistor, 450mm Probe, No Box	\$25
BA/1K-D-100mm-NB-18	Duct Unit, 1K Platinum RTD (385 Curve), 100mm Probe, No Box	\$32
BA/1K-D-200mm-NB-18	Duct Unit, 1K Platinum RTD (385 Curve), 200mm Probe, No Box	\$32
BA/1K-D-300mm-NB-18	Duct Unit, 1K Platinum RTD (385 Curve), 300mm Probe, No Box	\$32
BA/1K-D-450mm-NB-18	Duct Unit, 1K Platinum RTD (385 Curve), 450mm Probe, No Box	\$32

BAPI-BOX CROSSOVER UNITS

BA/10K-2-D-100mm-BBX	Duct Unit, 10K-2 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-2-D-200mm-BBX	Duct Unit, 10K-2 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/10K-2-D-300mm-BBX	Duct Unit, 10K-2 Thermistor, 300mm Probe, BAPI-Box Crossover	\$25
BA/10K-2-D-450mm-BBX	Duct Unit, 10K-2 Thermistor, 450mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-D-100mm-BBX	Duct Unit, 10K-3 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-D-200mm-BBX	Duct Unit, 10K-3 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-D-300mm-BBX	Duct Unit, 10K-3 Thermistor, 300mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-D-450mm-BBX	Duct Unit, 10K-3 Thermistor, 450mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-D-100mm-BBX	Duct Unit, 10K-4 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-D-200mm-BBX	Duct Unit, 10K-4 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-D-300mm-BBX	Duct Unit, 10K-4 Thermistor, 300mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-D-450mm-BBX	Duct Unit, 10K-4 Thermistor, 450mm Probe, BAPI-Box Crossover	\$25
BA/1K-D-100mm-BBX	Duct Unit, 1K Plat. RTD (385 Curve), 100mm Probe, BAPI-Box Crossover	\$32
BA/1K-D-200mm-BBX	Duct Unit, 1K Plat. RTD (385 Curve), 200mm Probe, BAPI-Box Crossover	\$32
BA/1K-D-300mm-BBX	Duct Unit, 1K Plat. RTD (385 Curve), 300mm Probe, BAPI-Box Crossover	\$32
BA/1K-D-450mm-BBX	Duct Unit, 1K Plat. RTD (385 Curve), 450mm Probe, BAPI-Box Crossover	\$32

Add "-TB" to the end of the part number for a **BAPI-Box Crossover Enclosure with a Test & Balance**

Example: **BA/10K-2-D-100mm-BBX-TB**

Switch (\$7.50 additional list price for the **Test & Balance Switch**).





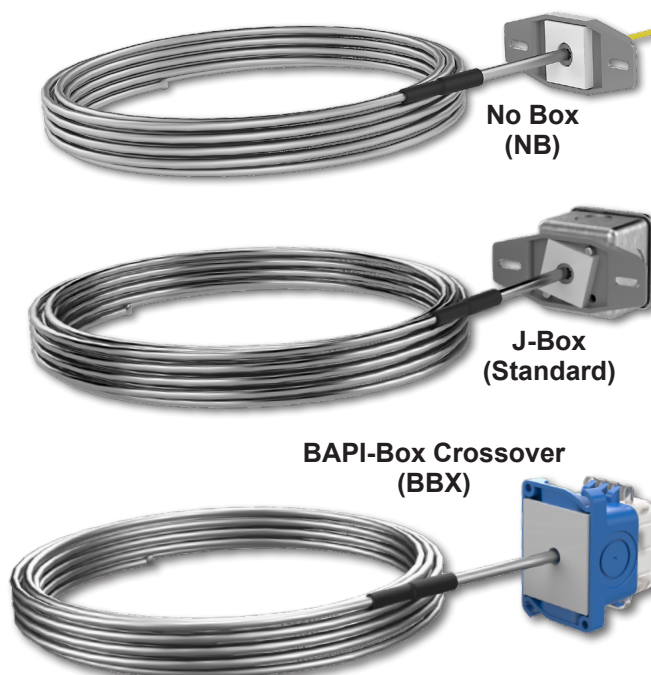
Features & Options

- Averaging Lengths: 2.4 to 7.3m
- J-Box, No Box or the BAPI-Box Crossover

Duct Averaging Units feature closed cell foam to seal the probe insertion hole and absorb vibration, and mounting tabs for easy installation to the duct. All units have etched Teflon leadwires and encapsulated sensors to create a watertight package that can perform under real world conditions.

Averaging probes should be used wherever there is a chance for stratified layers of hot and cold air. Averaging probes are made of bendable aluminum tubing and measure temperature along their entire length. Nylon tie straps are provided for mounting.

Duct Averaging Units come standard with a steel J-Box but are also available with No Box, or the BAPI-Box Crossover.



Flexible Probe Bracket

The Flexible Probe Bracket (FPB) simplifies the mounting of averaging sensors. The bracket is used to reverse the direction of the probe with a smooth arc to eliminate the risk of kinking. (See the Accessories Section for more info.)



Specifications

Environmental Operating Range:

Temperature:

BBX: -40 to 85°C

J-Box: -40 to 100°C

No Box: -20 to 75°C

Humidity: 0 to 95%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Plat. RTD: $\pm 0.12\%$ at 0°C (385 curve)

Probe Material:

Bendable Aluminum, 4.8mm diameter

Enclosure Material:

J-Box: Galvanized Steel

BBX: Polycarbonate (UL94 V-0)
and Nylon (UL94 HB)

No Box Lead Wires:

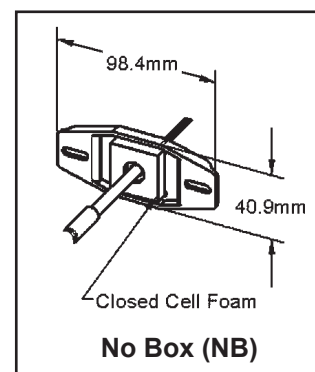
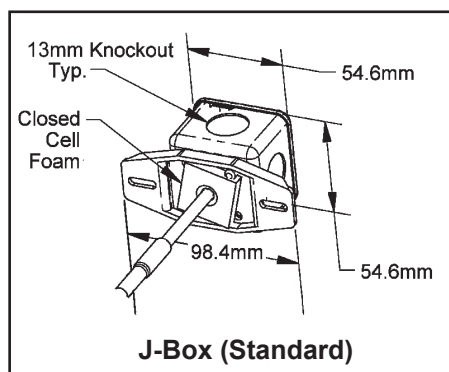
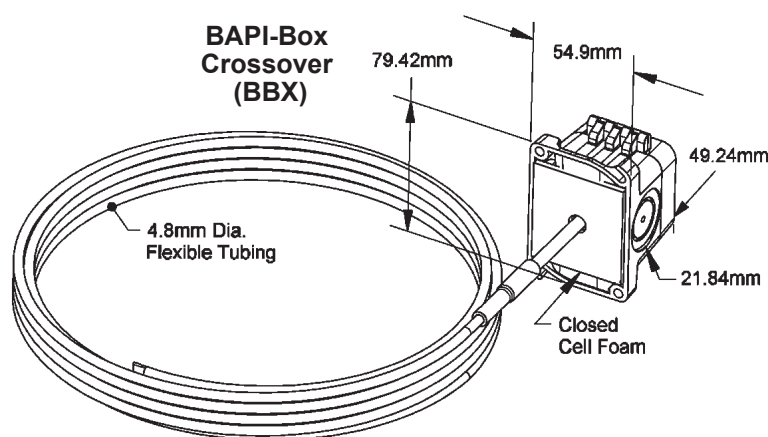
450mm Etched Teflon Leads

Enclosure Rating:

J-Box: IP20, NEMA 1

BBX: IP10, NEMA 1

(IP44 with knockout plug)





Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

J-BOX UNITS

BA/10K-2-A-2.4m	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, Steel J-Box Enclosure
BA/10K-2-A-3.7m	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, Steel J-Box Enclosure
BA/10K-2-A-7.3m	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, Steel J-Box Enclosure
BA/10K-3-A-2.4m	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, Steel J-Box Enclosure
BA/10K-3-A-3.7m	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, Steel J-Box Enclosure
BA/10K-3-A-7.3m	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, Steel J-Box Enclosure
BA/10K-4-A-2.4m	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, Steel J-Box Enclosure
BA/10K-4-A-3.7m	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, Steel J-Box Enclosure
BA/10K-4-A-7.3m	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, Steel J-Box Enclosure
BA/1K-A-2.4m	Duct Averaging, 1K Plat. RTD (385 Curve), 2.4m Probe, Steel J-Box Enclosure
BA/1K-A-3.7m	Duct Averaging, 1K Plat. RTD (385 Curve), 3.7m Probe, Steel J-Box Enclosure
BA/1K-A-7.3m	Duct Averaging, 1K Plat. RTD (385 Curve), 7.3m Probe, Steel J-Box Enclosure

NO BOX UNITS

BA/10K-2-A-2.4m-NB ...	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, No Box
BA/10K-2-A-3.7m-NB ...	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, No Box
BA/10K-2-A-7.3m-NB ...	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, No Box
BA/10K-3-A-2.4m-NB ...	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, No Box
BA/10K-3-A-3.7m-NB ...	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, No Box
BA/10K-3-A-7.3m-NB ...	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, No Box
BA/10K-4-A-2.4m-NB ...	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, No Box
BA/10K-4-A-3.7m-NB ...	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, No Box
BA/10K-4-A-7.3m-NB ...	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, No Box
BA/1K-A-2.4m-NB	Duct Averaging, 1K Plat. RTD (385 Curve), 2.4m Probe, No Box
BA/1K-A-3.7m-NB	Duct Averaging, 1K Plat. RTD (385 Curve), 3.7m Probe, No Box
BA/1K-A-7.3m-NB	Duct Averaging, 1K Plat. RTD (385 Curve), 7.3m Probe, No Box

**Call
for
price.**

BAPI-BOX CROSSOVER UNITS

BA/10K-2-A-2.4m-BBX ..	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, BAPI-Box Crossover
BA/10K-2-A-3.7m-BBX ..	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, BAPI-Box Crossover
BA/10K-2-A-7.3m-BBX ..	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, BAPI-Box Crossover
BA/10K-3-A-2.4m-BBX ..	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, BAPI-Box Crossover
BA/10K-3-A-3.7m-BBX ..	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, BAPI-Box Crossover
BA/10K-3-A-7.3m-BBX ..	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, BAPI-Box Crossover
BA/10K-4-A-2.4m-BBX ..	Duct Averaging, 10K-2 Thermistor, 2.4m Probe, BAPI-Box Crossover
BA/10K-4-A-3.7m-BBX ..	Duct Averaging, 10K-2 Thermistor, 3.7m Probe, BAPI-Box Crossover
BA/10K-4-A-7.3m-BBX ..	Duct Averaging, 10K-2 Thermistor, 7.3m Probe, BAPI-Box Crossover
BA/1K-A-2.4m-BBX	Duct Averaging, 1K Platinum RTD (385 Curve), 2.4m Probe, BAPI-Box Crossover
BA/1K-A-3.7m-BBX	Duct Averaging, 1K Platinum RTD (385 Curve), 3.7m Probe, BAPI-Box Crossover
BA/1K-A-7.3m-BBX	Duct Averaging, 1K Platinum RTD (385 Curve), 7.3m Probe, BAPI-Box Crossover

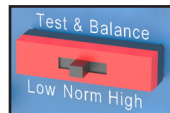
Add “-TB” to the end of the part number for a BAPI-Box Crossover Enclosure with a Test & Balance

Example: BA/10K-2-A-2.4m-BBX-TB

Switch (\$7.50 additional list price for the Test & Balance Switch).

Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.





Features & Options

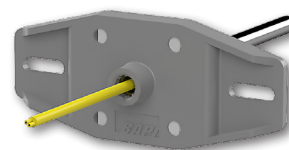
- Series 304 Stainless Steel Probes: 300 or 600mm
- Double Encapsulated Sensors & Etched Teflon Leads
- J-Box, No Box or the BAPI-Box Crossover Enclosure

BAPI Rigid Averaging Units feature closed cell foam to seal the probe insertion hole and absorb vibration. Mounting tabs allow for easy installation directly to the wall of the duct. All units have etched Teflon leadwires and encapsulated sensors to create a watertight package that can perform under real world conditions.

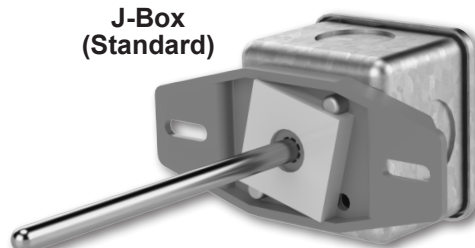
Averaging probes should be used whenever there is a chance for stratified layers of hot and cold air. Averaging probes are made of 6.4mm diameter stainless steel tubing.

Rigid Averaging units come standard with a steel J-Box but are also available with No Box, or the BAPI-Box Crossover.

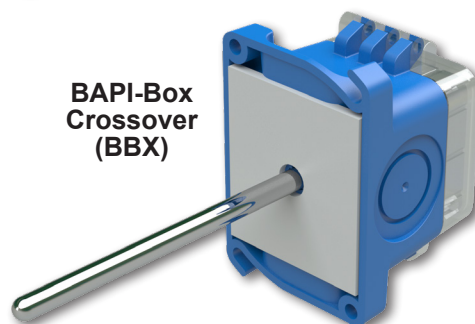
No Box
(NB)



J-Box
(Standard)



BAPI-Box
Crossover
(BBX)



Specifications

Environmental Operating Range:

Temperature:

BBX: -40 to 85°C

J-Box: -40 to 100°C

No Box: -20 to 75°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Probe Material:

Stainless Steel, 6.4mm diameter

Enclosure Material:

J-Box: Galvanized Steel

BBX: Polycarbonate (UL94 V-0)
and Nylon (UL94 HB)

No Box Lead Wires:

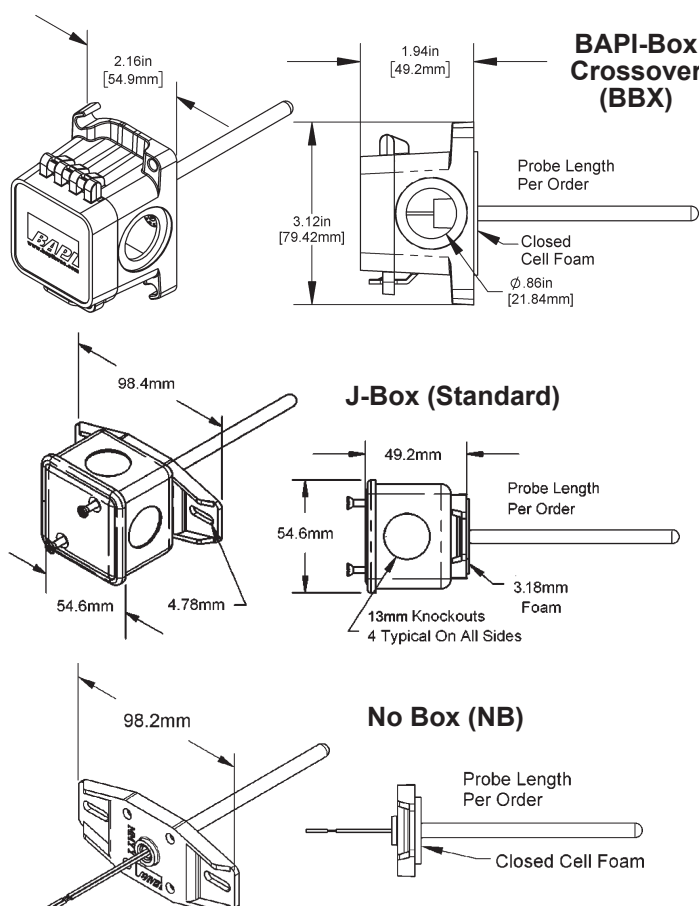
450mm Etched Teflon Leads

Enclosure Rating:

J-Box: IP20, NEMA 1

BBX: IP10, NEMA 1

(IP44 with knockout plug)





Rigid Averaging Units Ordering

B17*Temperature Sensors*Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****J-BOX UNITS**

BA/10K-2-RA-300mm	Rigid Averaging, 10K-2 Thermistor, 300mm Probe, Steel J-Box	\$86
BA/10K-2-RA-600mm	Rigid Averaging, 10K-2 Thermistor, 600mm Probe, Steel J-Box	\$86
BA/10K-3-RA-300mm	Rigid Averaging, 10K-3 Thermistor, 300mm Probe, Steel J-Box	\$86
BA/10K-3-RA-600mm	Rigid Averaging, 10K-3 Thermistor, 600mm Probe, Steel J-Box	\$86
BA/10K-4-RA-300mm	Rigid Averaging, 10K-4 Thermistor, 300mm Probe, Steel J-Box	\$86
BA/10K-4-RA-600mm	Rigid Averaging, 10K-4 Thermistor, 600mm Probe, Steel J-Box	\$86
BA/1K-RA-300mm	Rigid Averaging, 1K Platinum RTD (385 Curve), 300mm Probe, Steel J-Box	\$93
BA/1K-RA-600mm	Rigid Averaging, 1K Platinum RTD (385 Curve), 600mm Probe, Steel J-Box	\$93

NO BOX UNITS

BA/10K-2-RA-300mm-NB	Rigid Averaging, 10K-2 Thermistor, 300mm Probe, No Box	\$86
BA/10K-2-RA-600mm-NB	Rigid Averaging, 10K-2 Thermistor, 600mm Probe, No Box	\$86
BA/10K-3-RA-300mm-NB	Rigid Averaging, 10K-3 Thermistor, 300mm Probe, No Box	\$86
BA/10K-3-RA-600mm-NB	Rigid Averaging, 10K-3 Thermistor, 600mm Probe, No Box	\$86
BA/10K-4-RA-300mm-NB	Rigid Averaging, 10K-4 Thermistor, 300mm Probe, No Box	\$86
BA/10K-4-RA-600mm-NB	Rigid Averaging, 10K-4 Thermistor, 600mm Probe, No Box	\$86
BA/1K-RA-300mm-NB	Rigid Averaging, 1K Platinum RTD (385 Curve), 300mm Probe, No Box	\$93
BA/1K-RA-600mm-NB	Rigid Averaging, 1K Platinum RTD (385 Curve), 600mm Probe, No Box	\$93

BAPI-BOX CROSSOVER UNITS

BA/10K-2-RA-300mm-BBX ..	Rigid Averaging, 10K-2 Thermistor, 300mm Probe, BAPI-Box Crossover	\$86
BA/10K-2-RA-600mm-BBX ..	Rigid Averaging, 10K-2 Thermistor, 600mm Probe, BAPI-Box Crossover	\$86
BA/10K-3-RA-300mm-BBX ..	Rigid Averaging, 10K-3 Thermistor, 300mm Probe, BAPI-Box Crossover	\$86
BA/10K-3-RA-600mm-BBX ..	Rigid Averaging, 10K-3 Thermistor, 600mm Probe, BAPI-Box Crossover	\$86
BA/10K-4-RA-300mm-BBX ..	Rigid Averaging, 10K-4 Thermistor, 300mm Probe, BAPI-Box Crossover	\$86
BA/10K-4-RA-600mm-BBX ..	Rigid Averaging, 10K-4 Thermistor, 600mm Probe, BAPI-Box Crossover	\$86
BA/1K-RA-300mm-BBX	Rigid Avging, 1K Plat. RTD (385 Curve), 300mm Probe, BAPI-Box Crossover...	\$93
BA/1K-RA-600mm-BBX	Rigid Avging, 1K Plat. RTD (385 Curve), 600mm Probe, BAPI-Box Crossover...	\$93

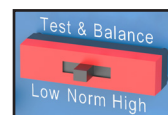
Add “-TB” to the end of the part number for a **BAPI-Box Crossover Enclosure with a Test & Balance**

Example: **BA/10K-2-RA-300mm-BBX-TB**

Switch (\$7.50 additional list price for the Test & Balance Switch).

Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.





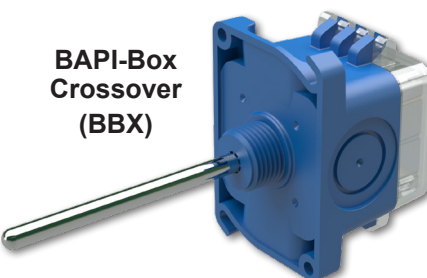
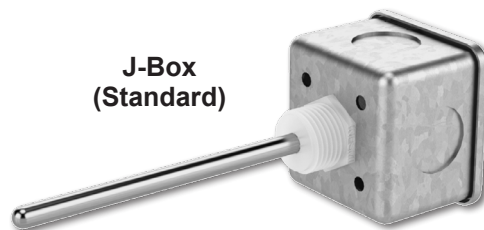
Features & Options

- Probe Lengths: 50 to 200mm (fit standard BAPI Thermowell lengths)
- Double Encapsulated Sensors & Etched Teflon Leads
- J-Box or BAPI-Box Crossover Enclosure

Immersion Units are available in 50 to 200mm probe lengths. The sensor is potted inside a 6.4mm stainless steel probe with thermally conductive compound.

All Immersion Units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation.

Duct units come standard with a steel J-Box but are also available with No Box, or the BAPI-Box Crossover.



BAPI Thermowells

Immersion Unit Probes are designed to be inserted into a Thermowell. For more info on Thermowells, see page B20.



Specifications

Environmental Operating Range:

Temperature:

BBX: -40 to 85°C

J-Box: -40 to 100°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Probe Material:

Stainless Steel, 6.4mm diameter

Nylon Threads, 13mm NPSM

Enclosure Material:

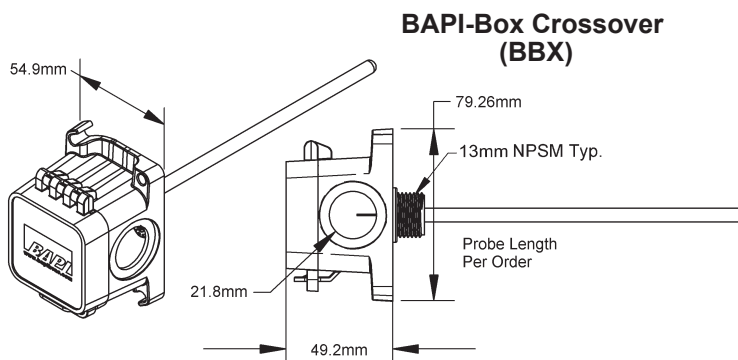
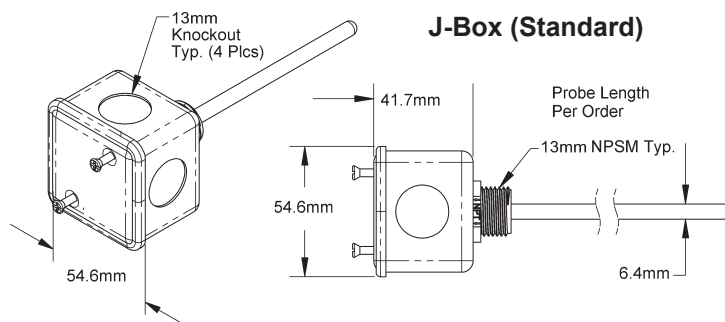
J-Box: Galvanized Steel

BBX: Polycarbonate (UL94 V-0)
and Nylon (UL94 HB)

Enclosure Rating:

J-Box: IP20, NEMA 1

BBX: IP10, NEMA 1
(IP44 with knockout plug)





Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

J-BOX UNITS

BA/10K-2-I-50mm	Immersion Unit, 10K-2 Thermistor, 50mm Probe, Steel J-Box Enclosure	\$25
BA/10K-2-I-100mm	Immersion Unit, 10K-2 Thermistor, 100mm Probe, Steel J-Box Enclosure	\$25
BA/10K-2-I-200mm	Immersion Unit, 10K-2 Thermistor, 200mm Probe, Steel J-Box Enclosure	\$25
BA/10K-3-I-50mm	Immersion Unit, 10K-3 Thermistor, 50mm Probe, Steel J-Box Enclosure	\$25
BA/10K-3-I-100mm	Immersion Unit, 10K-3 Thermistor, 100mm Probe, Steel J-Box Enclosure	\$25
BA/10K-3-I-200mm	Immersion Unit, 10K-3 Thermistor, 200mm Probe, Steel J-Box Enclosure	\$25
BA/10K-4-I-50mm	Immersion Unit, 10K-4 Thermistor, 50mm Probe, Steel J-Box Enclosure	\$25
BA/10K-4-I-100mm	Immersion Unit, 10K-4 Thermistor, 100mm Probe, Steel J-Box Enclosure	\$25
BA/10K-4-I-200mm	Immersion Unit, 10K-4 Thermistor, 200mm Probe, Steel J-Box Enclosure	\$25
BA/1K-I-50mm	Immersion Unit, 1K Plat. RTD (385 Curve), 50mm Probe, Steel J-Box Encl.	\$32
BA/1K-I-100mm	Immersion Unit, 1K Plat. RTD (385 Curve), 100mm Probe, Steel J-Box Encl.	\$32
BA/1K-I-200mm	Immersion Unit, 1K Plat. RTD (385 Curve), 200mm Probe, Steel J-Box Encl.	\$32

BAPI-BOX CROSSOVER UNITS

BA/10K-2-I-50mm-BBX	Immersion Unit, 10K-2 Thermistor, 50mm Probe, BAPI-Box Crossover	\$25
BA/10K-2-I-100mm-BBX	Immersion Unit, 10K-2 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-2-I-200mm-BBX	Immersion Unit, 10K-2 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-I-50mm-BBX	Immersion Unit, 10K-3 Thermistor, 50mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-I-100mm-BBX	Immersion Unit, 10K-3 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-3-I-200mm-BBX	Immersion Unit, 10K-3 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-I-50mm-BBX	Immersion Unit, 10K-4 Thermistor, 50mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-I-100mm-BBX	Immersion Unit, 10K-4 Thermistor, 100mm Probe, BAPI-Box Crossover	\$25
BA/10K-4-I-200mm-BBX	Immersion Unit, 10K-4 Thermistor, 200mm Probe, BAPI-Box Crossover	\$25
BA/1K-I-50mm-BBX	Immersion Unit, 1K Plat. RTD (385 Curve), 50mm Probe, BAPI-Box Crossover	\$32
BA/1K-I-100mm-BBX	Immersion Unit, 1K Plat. RTD (385 Curve), 100mm Probe, BAPI-Box Crossover	\$32
BA/1K-I-200mm-BBX	Immersion Unit, 1K Plat. RTD (385 Curve), 200mm Probe, BAPI-Box Crossover	\$32

Add **“-TB”** to the end of the part number for a **BAPI-Box Crossover Enclosure with a Test & Balance**

Example: **BA/10K-2-I-50mm-BBX-TB**

Switch (\$7.50 additional list price for the Test & Balance Switch).

Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.



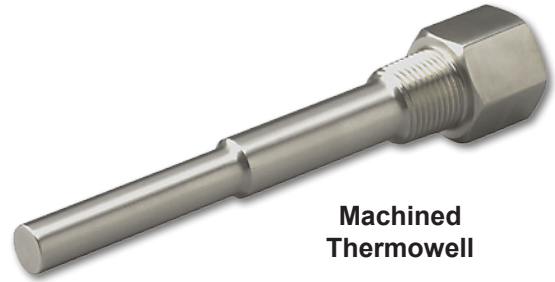


Features & Options

- Three Lengths: 50, 100 and 200mm (Fit standard Immersion Unit lengths)
- 304 or 316 Series Stainless Steel

BAPI's machined Thermowells are available in 304 or 316 series stainless steel. They come in lengths of 50, 100 and 200mm lengths to match BAPI's immersion sensors with 13mm NPT external and 13mm NPSM internal threads.

The machined stainless steel wells all come with a mirror polish to provide maximum corrosion resistance.



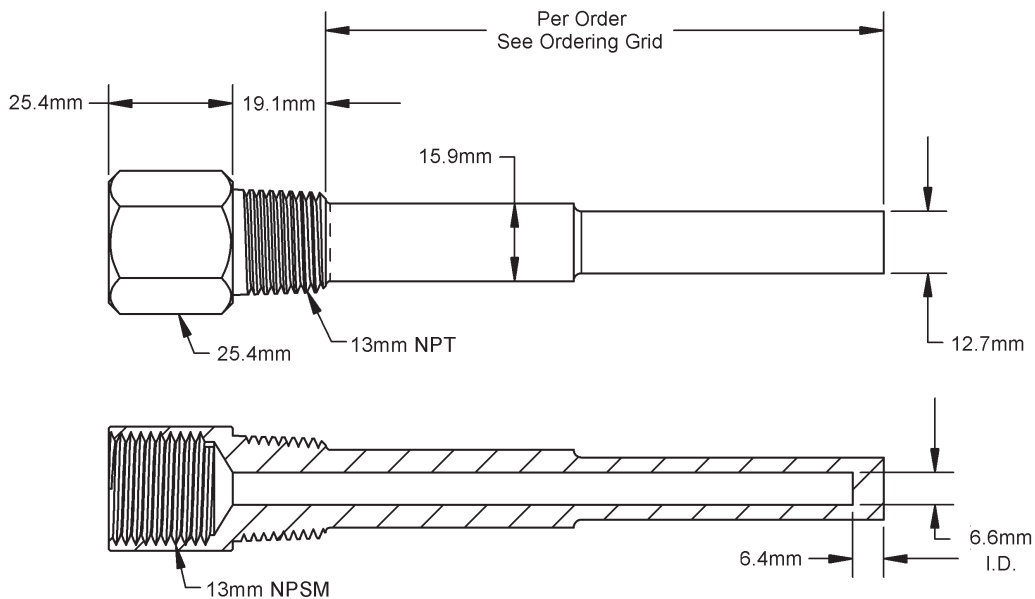
Machined Thermowell

Ordering

Part Number	Description	USD LIST
BA/50mm304BSPT	Thermowell, 304 Stainless Steel 50mm, 1/2" BSPT Outer Threads	\$22
BA/50mm316BSPT	Thermowell, 316 Stainless Steel 50mm, 1/2" BSPT Outer Threads	\$44
BA/100mm304BSPT	Thermowell, 304 Stainless Steel 100mm, 1/2" BSPT Outer Threads	\$26
BA/100mm316BSPT	Thermowell, 316 Stainless Steel 100mm, 1/2" BSPT Outer Threads	\$50
BA/200mm304BSPT	Thermowell, 304 Stainless Steel 200mm, 1/2" BSPT Outer Threads	\$36
BA/200mm316BSPT	Thermowell, 316 Stainless Steel 200mm, 1/2" BSPT Outer Threads	\$80

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications



NPT = National Pipe Taper
NPSM = National Pipe Straight Mechanical (not tapered)



Features & Options

- Quick-Response Sensor
- IP66/NEMA 4 BAPI-Box 2 Enclosure Style
- Well-Vented Sensor Guard
- Four Temperature Sensing Element Options

Outside Air Units are designed to be mounted outdoors. The UV-resistant plastic shield keeps the sensor out of the sunlight and allows for excellent air circulation. The units are available in a BAPI-Box 2 polycarbonate enclosure with an IP66/NEMA 4 rating.

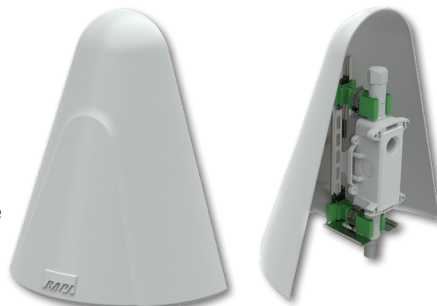
All Outside Air Units have etched Teflon leadwires and can withstand high humidity and condensation and perform under real world conditions. This is especially important in an outside air application which can be exposed to rain, snow and large temperature swings.



Weather Shade

External temperature and humidity sensors can be affected by solar heat gain. The BAPI Weather Shade effectively blocks the solar heat gain, improving the accuracy of the sensor.

(See Accessories for more info.)



Ordering

Part Number	Description	USD LIST
BA/10K-2-O-BB2	Outside Air Sensor, 10K-2 Thermistor, BAPI-Box 2 Enclosure	\$30
BA/10K-3-O-BB2	Outside Air Sensor, 10K-3 Thermistor, BAPI-Box 2 Enclosure	\$30
BA/10K-4-O-BB2	Outside Air Sensor, 10K-4 Thermistor, BAPI-Box 2 Enclosure	\$30
BA/1K-O-BB2	Outside Air Sensor, 1K Platinum RTD (385 curve), BAPI-Box 2 Enclosure.....	\$37

Add “-TB” to the end of the part number for a BAPI-Box Crossover Enclosure with a Test & Balance

Example: BA/10K-2-O-BB2-TB

Switch (\$7.50 additional list price for the Test & Balance Switch).

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Environmental Operating Range:

Temperature Sensor: -40 to 85°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

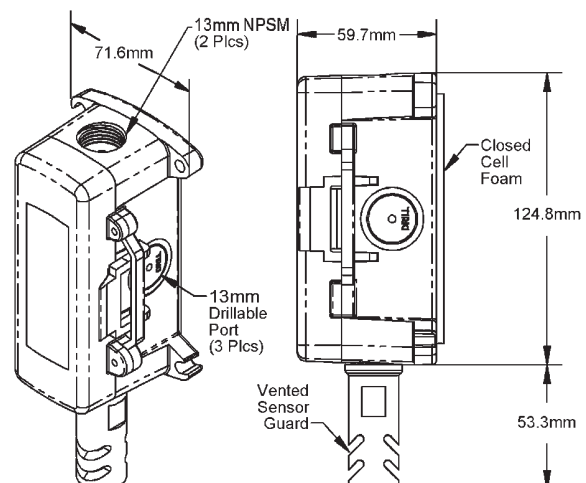
1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Enclosure Rating:

IP66, NEMA 4

Enclosure Material:

UV-resistant polycarbonate, UL94 V-0





Features & Options

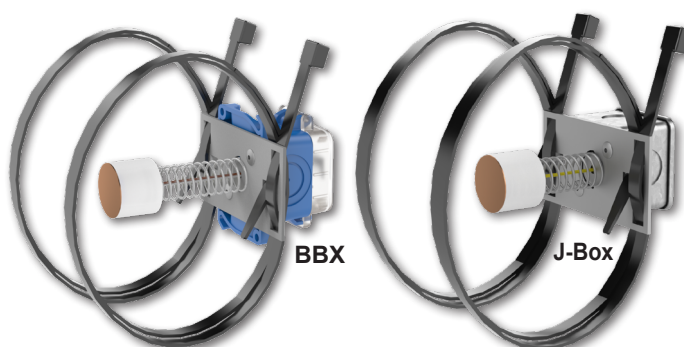
- Clamp-On or Spring-Loaded Units
- J-Box or BAPI-Box Crossover Enclosure

Strap units are designed to monitor water temperature in retrofit or filled pipe applications. They strap directly onto the pipe and measure the water temperature by sensing the surface temperature of the pipe. They come standard with a J-Box enclosure but are also available with a BAPI-Box Crossover (BBX).

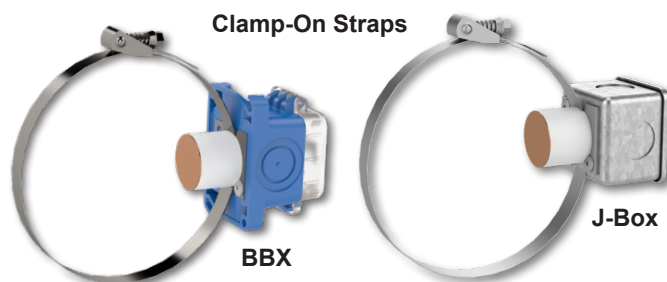
Clamp-On Strap – This unit has a bendable copper sensing plate which forms to the curvature of the pipe. An adjustable hose clamp holds the unit in place around the pipes from 50 to 114mm in diameter.

Spring-Loaded Strap – Instead of removing the pipe insulation, the spring loaded sensing pad is held against the pipe through a hole cut in the insulation. It can be used with 130 to 37mm dia. pipes with up to 50mm of insulation.

Spring-Loaded Straps



Clamp-On Straps



Specifications

Environmental Operating Range:

Temperature:

Clamp On: -40 to 85°C,

Spring Loaded: -40 to 85°C

Humidity: 0 to 95%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Plat. RTD: $\pm 0.12\%$ at 0°C (385 curve)

Enclosure Material:

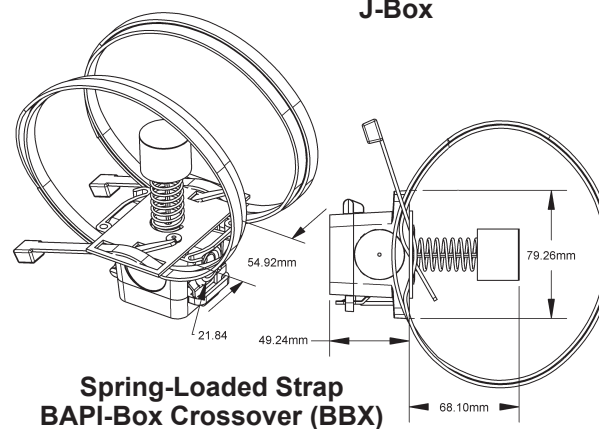
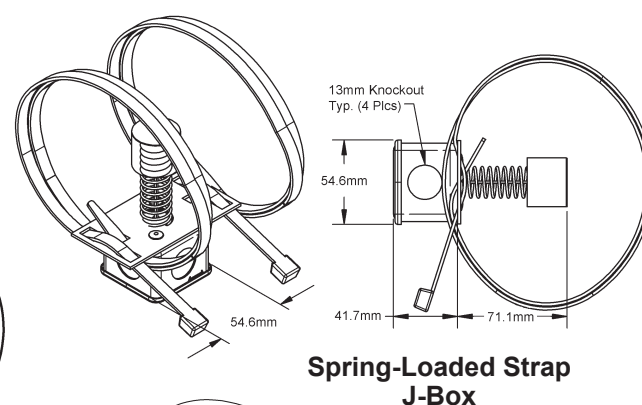
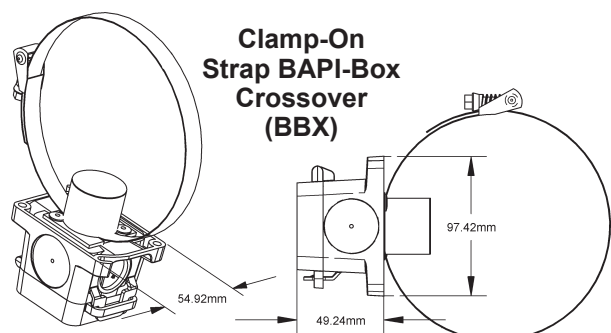
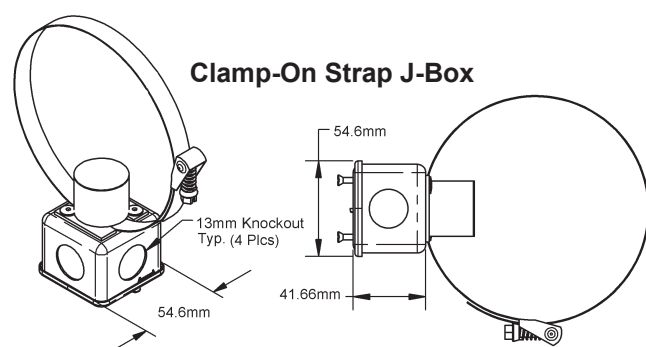
J-Box: Galvanized Steel

BBX: Polycarbonate (UL94 V-0) and Nylon (UL94 HB)

Enclosure Rating:

J-Box: IP20, NEMA 1

BBX: IP10, NEMA 1 (IP44 with knockout plug)





Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number**USD LIST****CLAMP-ON STRAP: J-BOX UNITS**

BA/10K-2-S	10K-2 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/10K-3-S	10K-3 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/10K-4-S	10K-4 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/1K-S	1K Plat. RTD (385 Curve), Clamp-On Strap, BAPI-Box Crossover	\$35

CLAMP-ON STRAP: BAPI-BOX CROSSOVER UNITS

BA/10K-2-S-BBX	10K-2 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/10K-3-S-BBX	10K-3 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/10K-4-S-BBX	10K-4 Thermistor, Clamp-On Strap, BAPI-Box Crossover	\$28
BA/1K-S-BBX	1K Plat. RTD (385 Curve), Clamp-On Strap, BAPI-Box Crossover	\$35

CLAMP-ON STRAP: BAPI-BOX CROSSOVER WITH TEST & BALANCE

BA/10K-2-S-BBX-TB	10K-2 Thermistor, Clamp-On Strap, BAPI-Box Crossover, T&B Switch	\$35.50
BA/10K-3-S-BBX-TB	10K-3 Thermistor, Clamp-On Strap, BAPI-Box Crossover, T&B Switch	\$35.50
BA/10K-4-S-BBX-TB	10K-4 Thermistor, Clamp-On Strap, BAPI-Box Crossover, T&B Switch	\$35.50
BA/1K-S-BBX-TB	1K Plat. RTD (385 Curve), Clamp-On Strap, BAPI-Box Crossover, T&B Switch	\$42.50

SPRING-LOADED STRAP: J-BOX UNITS

BA/10K-2-STP	10K-2 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/10K-3-STP	10K-3 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/10K-4-STP	10K-4 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/1K-STP	1K Plat. RTD (385 Curve), Spring-Loaded Strap, BAPI-Box Crossover	\$50

SPRING-LOADED STRAP: BAPI-BOX CROSSOVER UNITS

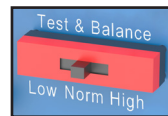
BA/10K-2-STP-BBX	10K-2 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/10K-3-STP-BBX	10K-3 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/10K-4-STP-BBX	10K-4 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover	\$43
BA/1K-STP-BBX	1K Plat. RTD (385 Curve), Spring-Loaded Strap, BAPI-Box Crossover	\$50

SPRING-LOADED STRAP: BAPI-BOX CROSSOVER WITH TEST & BALANCE

BA/10K-2-STP-BBX-TB	10K-2 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover, T&B Switch	\$50.50
BA/10K-3-STP-BBX-TB	10K-3 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover, T&B Switch	\$50.50
BA/10K-4-STP-BBX-TB	10K-4 Thermistor, Spring-Loaded Strap, BAPI-Box Crossover, T&B Switch	\$50.50
BA/1K-STP-BBX-TB	1K Plat. RTD (385 Curve), Spring-Loaded Strap, BAPI-Box Crossover, T&B	\$57.50

Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.





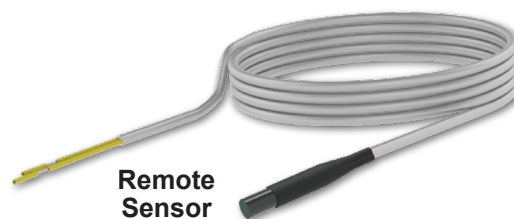
Features & Options

- Remote Sensor, Remote Probe or Concave Remote Probe
- 1.2m to 10m Cable Lengths

Remote Sensors feature a 19mm long encapsulation shell. They are perfect for very tight locations and come with plenum-rated cable in lengths from 1.2 to 10 meters.

Remote Probes feature a 44mm long stainless steel probe. They are commonly used in refrigerated case or strap-on applications. They are ideal for hard-to-access areas or spaces where the usual immersion or duct sensors do not fit well. They come with plenum-rated cable in lengths from 1.2 to 10 meters.

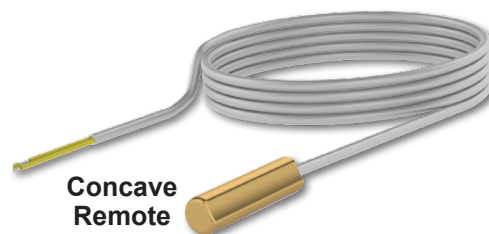
Concave Probes feature a 34mm long brass encapsulation shell with a concave indentation so that they fit on the outside of pipes such as condenser lines. They come with FEP-jacketed cable in lengths from 1.2 to 10 meters.



Remote Sensor



Remote Probe



Concave Remote Probe

Specifications

Environmental Operating Range:

Temperature: -20 to 75°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Probe Material:

Remote Sensors: Plastic Encapsulation Shell

Remote Probes: Stainless Steel

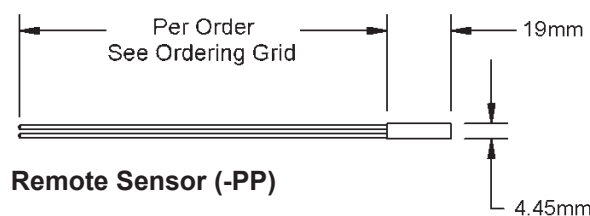
Concave Remote Probes: Brass

Cable Material:

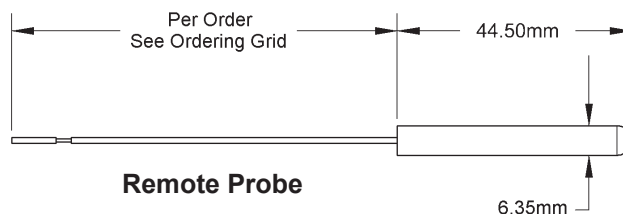
Remote Sensors: Plenum-Rated Cable

Remote Probes: Plenum-Rated Cable

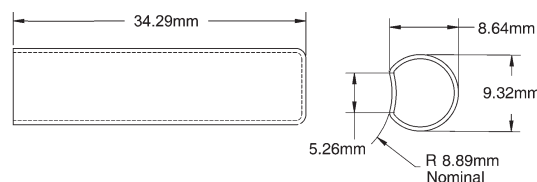
Concave Remote Probes: FEP-Jacketed Cable



Remote Sensor (-PP)



Remote Probe



Concave Probe



Remote Probes and Sensors Ordering

B25

Temperature Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

REMOTE SENSORS

BA/10K-2-PP-1.2m	Remote Sensor, 10K-2 Thermistor, 1.2m Plenum-Rated Cable	\$15.69
BA/10K-2-PP-2.0m	Remote Sensor, 10K-2 Thermistor, 2m Plenum-Rated Cable	\$16.81
BA/10K-2-PP-5.0m	Remote Sensor, 10K-2 Thermistor, 5m Plenum-Rated Cable	\$20.81
BA/10K-2-PP-10.0m	Remote Sensor, 10K-2 Thermistor, 10m Plenum-Rated Cable	\$26.81
BA/10K-3-PP-1.2m	Remote Sensor, 10K-3 Thermistor, 1.2m Plenum-Rated Cable	\$15.69
BA/10K-3-PP-2.0m	Remote Sensor, 10K-3 Thermistor, 2m Plenum-Rated Cable	\$16.81
BA/10K-3-PP-5.0m	Remote Sensor, 10K-3 Thermistor, 5m Plenum-Rated Cable	\$20.81
BA/10K-3-PP-10.0m	Remote Sensor, 10K-3 Thermistor, 10m Plenum-Rated Cable	\$26.81
BA/10K-4-PP-1.2m	Remote Sensor, 10K-4 Thermistor, 1.2m Plenum-Rated Cable	\$15.69
BA/10K-4-PP-2.0m	Remote Sensor, 10K-4 Thermistor, 2m Plenum-Rated Cable	\$16.81
BA/10K-4-PP-5.0m	Remote Sensor, 10K-4 Thermistor, 5m Plenum-Rated Cable	\$20.81
BA/10K-4-PP-10.0m	Remote Sensor, 10K-4 Thermistor, 10m Plenum-Rated Cable	\$26.81
BA/1K-PP-1.2m	Remote Sensor, 1K Plat. RTD (385 Curve), 1.2m Plenum-Rated Cable	\$22.69
BA/1K-PP-2.0m	Remote Sensor, 1K Plat. RTD (385 Curve), 2m Plenum-Rated Cable	\$23.81
BA/1K-PP-5.0m	Remote Sensor, 1K Plat. RTD (385 Curve), 5m Plenum-Rated Cable	\$27.81
BA/1K-PP-10.0m	Remote Sensor, 1K Plat. RTD (385 Curve), 10m Plenum-Rated Cable	\$33.81

REMOTE PROBES

BA/10K-2-RPP-1.2m	Remote Probe, 10K-2 Thermistor, 1.2m Plenum-Rated Cable	\$19.60
BA/10K-2-RPP-2.0m	Remote Probe, 10K-2 Thermistor, 2m Plenum-Rated Cable	\$20.80
BA/10K-2-RPP-5.0m	Remote Probe, 10K-2 Thermistor, 5m Plenum-Rated Cable	\$24.80
BA/10K-2-RPP-10.0m	Remote Probe, 10K-2 Thermistor, 10m Plenum-Rated Cable	\$30.81
BA/10K-3-RPP-1.2m	Remote Probe, 10K-3 Thermistor, 1.2m Plenum-Rated Cable	\$19.60
BA/10K-3-RPP-2.0m	Remote Probe, 10K-3 Thermistor, 2m Plenum-Rated Cable	\$20.80
BA/10K-3-RPP-5.0m	Remote Probe, 10K-3 Thermistor, 5m Plenum-Rated Cable	\$24.80
BA/10K-3-RPP-10.0m	Remote Probe, 10K-3 Thermistor, 10m Plenum-Rated Cable	\$30.81
BA/10K-4-RPP-1.2m	Remote Probe, 10K-4 Thermistor, 1.2m Plenum-Rated Cable	\$19.60
BA/10K-4-RPP-2.0m	Remote Probe, 10K-4 Thermistor, 2m Plenum-Rated Cable	\$20.80
BA/10K-4-RPP-5.0m	Remote Probe, 10K-4 Thermistor, 5m Plenum-Rated Cable	\$24.80
BA/10K-4-RPP-10.0m	Remote Probe, 10K-4 Thermistor, 10m Plenum-Rated Cable	\$30.81
BA/1K-RPP-1.2m	Remote Probe, 1K Plat. RTD (385 Curve), 1.2m Plenum-Rated Cable	\$27.80
BA/1K-RPP-2.0m	Remote Probe, 1K Plat. RTD (385 Curve), 2m Plenum-Rated Cable	\$27.80
BA/1K-RPP-5.0m	Remote Probe, 1K Plat. RTD (385 Curve), 5m Plenum-Rated Cable	\$31.80
BA/1K-RPP-10.0m	Remote Probe, 1K Plat. RTD (385 Curve), 10m Plenum-Rated Cable	\$37.81

CONCAVE REMOTE PROBES

BA/10K-2-CPP-1.2m	Remote Concave Probe, 10K-2 Thermistor, 1.2m FEP-Jacketed Cable	\$23.63
BA/10K-2-CPP-2.0m	Remote Concave Probe, 10K-2 Thermistor, 2m FEP-Jacketed Cable	\$24.81
BA/10K-2-CPP-5.0m	Remote Concave Probe, 10K-2 Thermistor, 5m FEP-Jacketed Cable	\$28.81
BA/10K-2-CPP-10.0m	Remote Concave Probe, 10K-2 Thermistor, 10m FEP-Jacketed Cable	\$34.82
BA/10K-3-CPP-1.2m	Remote Concave Probe, 10K-3 Thermistor, 1.2m FEP-Jacketed Cable	\$23.63
BA/10K-3-CPP-2.0m	Remote Concave Probe, 10K-3 Thermistor, 2m FEP-Jacketed Cable	\$24.81
BA/10K-3-CPP-5.0m	Remote Concave Probe, 10K-3 Thermistor, 5m FEP-Jacketed Cable	\$28.81
BA/10K-3-CPP-10.0m	Remote Concave Probe, 10K-3 Thermistor, 10m FEP-Jacketed Cable	\$34.82
BA/10K-4-CPP-1.2m	Remote Concave Probe, 10K-4 Thermistor, 1.2m FEP-Jacketed Cable	\$23.63
BA/10K-4-CPP-2.0m	Remote Concave Probe, 10K-4 Thermistor, 2m FEP-Jacketed Cable	\$24.81
BA/10K-4-CPP-5.0m	Remote Concave Probe, 10K-4 Thermistor, 5m FEP-Jacketed Cable	\$28.81
BA/10K-4-CPP-10.0m	Remote Concave Probe, 10K-4 Thermistor, 10m FEP-Jacketed Cable	\$34.82
BA/1K-CPP-1.2m	Remote Concave Probe, 1K Plat. RTD (385 Curve), 1.2m FEP-Jacketed Cable	\$30.65
BA/1K-CPP-2.0m	Remote Concave Probe, 1K Plat. RTD (385 Curve), 2m FEP-Jacketed Cable	\$31.81
BA/1K-CPP-5.0m	Remote Concave Probe, 1K Plat. RTD (385 Curve), 5m FEP-Jacketed Cable	\$38.80
BA/1K-CPP-10.0m	Remote Concave Probe, 1K Plat. RTD (385 Curve), 10m FEP-Jacketed Cable	\$44.81





Features & Options

- Fluid-Filled Chamber Tracks Temperature of Freezer or Cooler Contents, Not Air Temperature, Decreasing False Alarms
- BAPI-Box Crossover Enclosure
- 25 or 100mm Fluid-filled Buffer Chamber

The BAPI Thermobuffer Temperature Sensor is used to simulate the refrigerator contents rather than the refrigerator air temperature. The fluid-filled chamber allows for slower reaction to abrupt temperature changes, yet still maintains long-term accuracy if the change remains permanent. It eliminates the temperature spikes due to frequent refrigerator or freezer door opening and decreases false alarms.

The sensors sits inside a 25 or 100mm buffer chamber made of machined 304 Stainless Steel which is filled with customer-supplied food grade glycol.



Thermobuffer with 25mm Buffer Chamber

Specifications

Environmental Operating Range:

Temperature: -40 to 85°C

Humidity: 0 to 100%, non-condensing

Sensing Element:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Chamber Fluid:

Customer Supplied Food Grade Glycol

25mm Chamber: ~5 ml of Fluid

25mm Chamber: ~5 ml of Fluid

Buffer Chamber Construction:

M304: Bar stock 304 stainless steel

Enclosure Material:

Cover: Polycarbonate, UL94 V-0

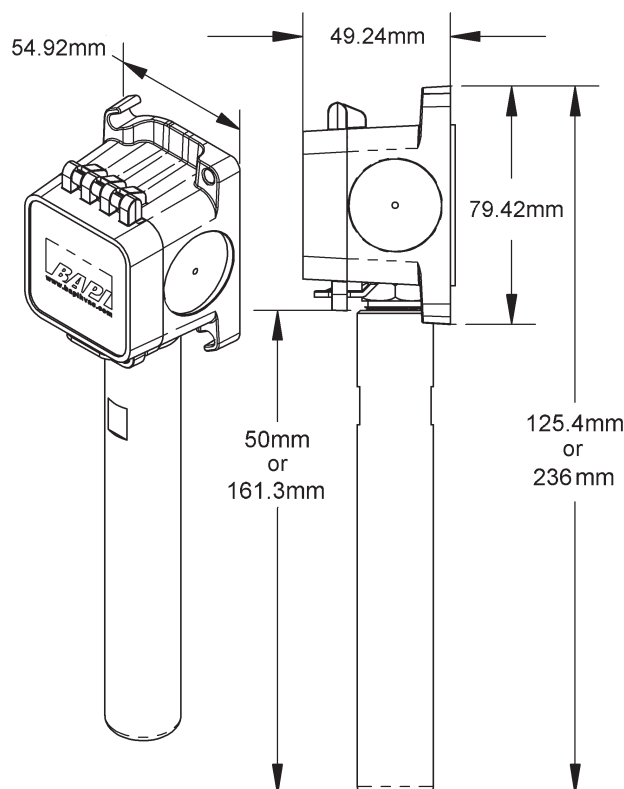
Base: Nylon, UL94 HB

Enclosure Rating:

IP10, NEMA 1

Agency:

CE, RoHS



Note: Unit requires customer-supplied food grade glycol antifreeze for proper operation.



Thermobuffer Temperature Sensors Ordering

B27

Temperature Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

UNITS WITH 25MM BUFFER CHAMBER

BA/10K-2-TB-M304-1-BBX ...Thermobuffer, 10K-2 Thermistor, BAPI-Box Crossover, 25mm Chamber	\$98
BA/10K-3-TB-M304-1-BBX ...Thermobuffer, 10K-3 Thermistor, BAPI-Box Crossover, 25mm Chamber	\$98
BA/10K-4-TB-M304-1-BBX ...Thermobuffer, 10K-4 Thermistor, BAPI-Box Crossover, 25mm Chamber	\$98
BA/1K-TB-M304-1-BBXThermobuffer, 1K Plat. RTD (385 Curve), BAPI-Box Crossover, 25mm Chamber ..	\$105

UNITS WITH 100MM BUFFER CHAMBER

BA/10K-2-TB-M304-4-BBX ...Thermobuffer, 10K-2 Thermistor, BAPI-Box Crossover, 100mm Chamber	\$210
BA/10K-3-TB-M304-4-BBX ...Thermobuffer, 10K-3 Thermistor, BAPI-Box Crossover, 100mm Chamber	\$210
BA/10K-4-TB-M304-4-BBX ...Thermobuffer, 10K-4 Thermistor, BAPI-Box Crossover, 100mm Chamber	\$210
BA/1K-TB-M304-4-BBXThermobuffer, 1K Plat. RTD (385 Curve), BAPI-Box Crossover, 100mm Chamber ..	\$217

Add “-TB” to the end of the part number for a BAPI-Box Crossover Enclosure with a Test & Balance

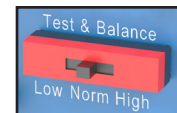
Example: BA/10K-2-TB-M304-4-BBX-TB

Switch (\$7.50 additional list price for the Test & Balance Switch).



Test & Balance Switch

The switch lets you easily verify a sensor's location and operation within the BMS without having to physically access the probe. The switch can also place the zone into full heat or full cool mode for testing. It's available for most of BAPI's temperature sensors with a BAPI-Box Crossover Enclosure.





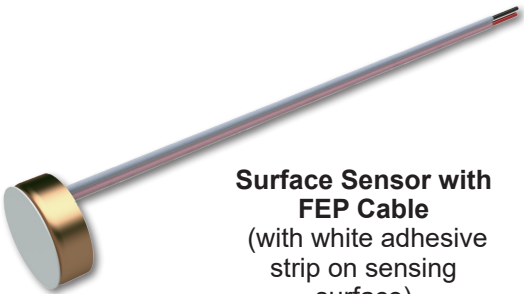
Features & Options

- Copper Encapsulation Shell and Thermal Adhesive for Increased Temperature Transfer
- Easy to Install on Flat Surfaces
- 1.2m or 2.0m FEP-Jacketed Cable
- Four Temperature Sensing Element Options

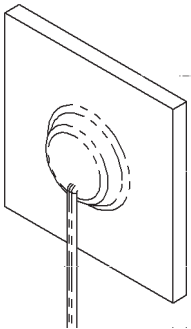
The Surface Sensor features a 19mm diameter copper encapsulation shell with a thermally adhesive tape to mount on flat surfaces.

Surface Sensors are commonly used on glass windows and doors, solar panel modules, and other hard-to-access areas where a remote probe may be difficult to mount.

Unit includes a square closed-cell foam cover to isolate the sensor from the ambient air.



Surface Sensor with FEP Cable
(with white adhesive strip on sensing surface)



Includes square foam cover to insulate sensor from ambient air

Ordering

Part Number

USD LIST

UNITS WITH 1.2M CABLE

BA/10K-2-SMFEP-1.2m ... Surface Sensor, 10K-2 Thermistor, 1.2m FEP Cable	\$37
BA/10K-3-SMFEP-1.2m ... Surface Sensor, 10K-3 Thermistor, 1.2m FEP Cable	\$37
BA/10K-4-SMFEP-1.2m ... Surface Sensor, 10K-4 Thermistor, 1.2m FEP Cable	\$37
BA/1K-SMFEP-1.2m Surface Sensor, 1K Platinum RTD (385 Curve), 1.2m FEP Cable	\$44

UNITS WITH 2M CABLE

BA/10K-2-SMFEP-2.0m ... Surface Sensor, 10K-2 Thermistor, 2.0m FEP Cable	\$39
BA/10K-3-SMFEP-2.0m ... Surface Sensor, 10K-3 Thermistor, 2.0m FEP Cable	\$39
BA/10K-4-SMFEP-2.0m ... Surface Sensor, 10K-4 Thermistor, 2.0m FEP Cable	\$39
BA/1K-SMFEP-2.0m Surface Sensor, 1K Platinum RTD (385 Curve), 2.0m FEP Cable	\$46

Submittal sheets without List Prices are available on our website at www.bapihvac.com

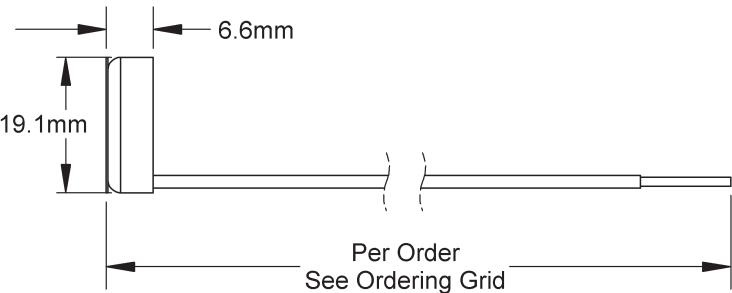
Specifications

Environmental Operating Range:
Temperature Sensor: -40 to 105°C
Humidity: 0 to 100%, non-condensing

Sensing Element:
10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Surface Sensor Material: Copper 110

Cable: FEP-Jacketed Cable



Humidity or Temperature/Humidity Sensors

BAPI-Stat "Quantum Prime"

- BAPI-Stat "Quantum Prime" Enclosure Style
- Membrane Keypad for Wipedown Cleaning
- Temperature and Humidity Setpoint Adjustment
- Standard or 60mm Mounting Base



pg C2

BAPI-Stat "Quantum"

- BAPI-Stat "Quantum" Enclosure Style
- Optional Slider Setpoint Adjustment and Override
- Optional Display with Multiple Indicators and Icons
- Standard or 60mm Mounting Base



pg C4

Outside Air Sensor

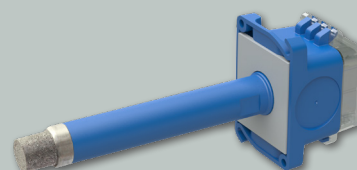
- Quick-Response Sensor
- IP66/NEMA 4 BAPI-Box 2 Enclosure Style
- Well-Vented Sensor Guard
- Four Temperature Sensing Element Options



pg C6

Duct Sensor

- 10 Points of Calibration from 10 to 90%RH
- Humidity Only or Temp./Humidity Combination
- Replaceable Stainless Steel Filter
- Green Power Indication LE



pg C8

Pendant Sensor

- Perfect for Data Center Hot and Cold Aisle Monitoring
- 4 to 20 mA Temperature and Humidity Output
- NIST Certified Temperature and Humidity
- Sensor Hangs from 3.7 meters of PVC-Jacketed Cable



pg C10





Features & Options

- BAPI-Stat "Quantum Prime" Enclosure Style
- Membrane Keypad for Wipedown Cleaning
- Temperature and Humidity Setpoint Adjustment
- Standard or 60mm Mounting Base

The BAPI-Stat "Quantum Prime" is designed for operating rooms, clean rooms and elder care facilities. It features a large display and membrane keypad for wipedown cleaning. It is available with temperature and humidity measurement, temperature and humidity setpoint and occupant override.

The unit includes a number of field adjustments including °F or °C display, temperature and humidity offset and setpoint lockout. The display can also be set to show a large temperature and small %RH reading or a large %RH and a small temperature reading. The 60mm mounting base fits European style junction boxes.



**BAPI-Stat
"Quantum
Prime"**

(Bottom image shown with 60mm mounting base)

Specifications

Power Supply:

15 to 40 VDC (15 to 24 VDC Recommended) or 15 to 28 VAC (Requires a separate pair of shielded wires)

Power Consumption:

75 mA max DC (6mA typical) or 1.9 VA max AC (0.2VA typical)

Voltage Output:

0 to 10VDC, Impedance >10KΩ

Override Relay Output:

N.O., 500 mA @ 24 VDC max

Override Confirmation Input:

5 VDC or 24 VDC/VAC

Temperature Sensing Elements:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Temperature Sensing Elements:

Capacitive Polymer, $\pm 2\%$ RH

Mounting:

European junction box, drywall or U.S. junction box

Environmental Ambient:

Temperature: 0 to 50°C

Humidity: 0 to 95%, non-condensing

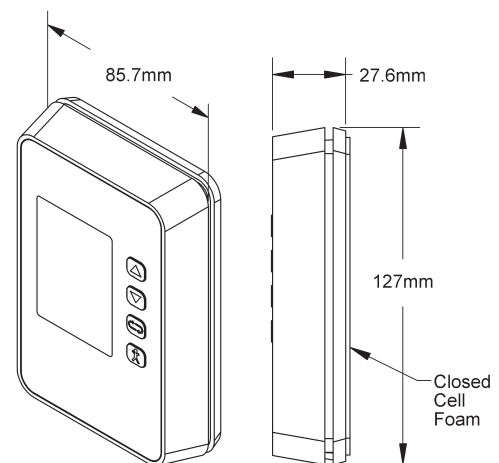
Storage: 0 to 85°C

Wiring: 2 to 6 pair of 16 to 22 AWG*

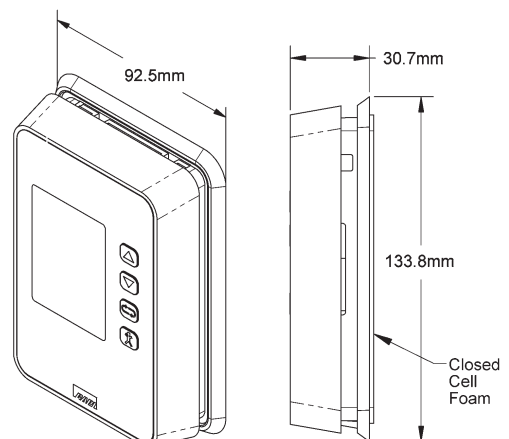
Enclosure Material: ABS Plastic, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS

*BAPI recommends that you do not run wiring for room units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils.



Unit with Standard Mounting Base



Unit with 60mm Mounting Base



BAPI-Stat "Quantum Prime" Ordering

C3

Humidity or Temp/Humidity Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

UNITS WITHOUT %RH SETPOINT ADJUSTMENT

BA/HQP60C2-7C-16M-X-60CG-B

BAPI-Stat "Quantum Prime", 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-C

BAPI-Stat "Quantum Prime", 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-V

BAPI-Stat "Quantum Prime", 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base.....\$398

BA/HQP60C2-7C-16M-X-60CG-A

BAPI-Stat "Quantum Prime", 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$405

BA/HQP60C2-6C-16M-25C10CG-60CG-X

BAPI-Stat "Quantum Prime", 0 to 10 V Temp. Output with 10 to 32°C Range, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10V Output, Override as a Separate Output, 60mm Base\$430

UNITS WITH %RH SETPOINT ADJUSTMENT

BA/HQP60C2-8M-16M-25C10CG-60CG-B

BAPI-Stat "Quantum Prime", 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-C

BAPI-Stat "Quantum Prime", 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-V

BAPI-Stat "Quantum Prime", 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$448

BA/HQP60C2-8M-16M-25C10CG-60CG-A

BAPI-Stat "Quantum Prime", 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$455

BA/HQP60C2-6C-16M-25C10CG-47M10CG-61CG-X

BAPI-Stat "Quantum Prime", 0 to 10 V Temperature Output with 10 to 32°C Range, 10 to 32°C Setpoint Range with 0 to 10 V Output, $\pm 2\%$ RH Measurement with 0 to 10 V Output, 0 to 100%RH Setpoint Range with 0 to 10V Output, Override in Parallel with the %RH Setpoint, 60mm Base\$480

Remove the "60" after HQP in the part number for a standard base instead of the 60mm base.

Example: BA/HQPC2-8M-16M-25C10CG-60CG-B





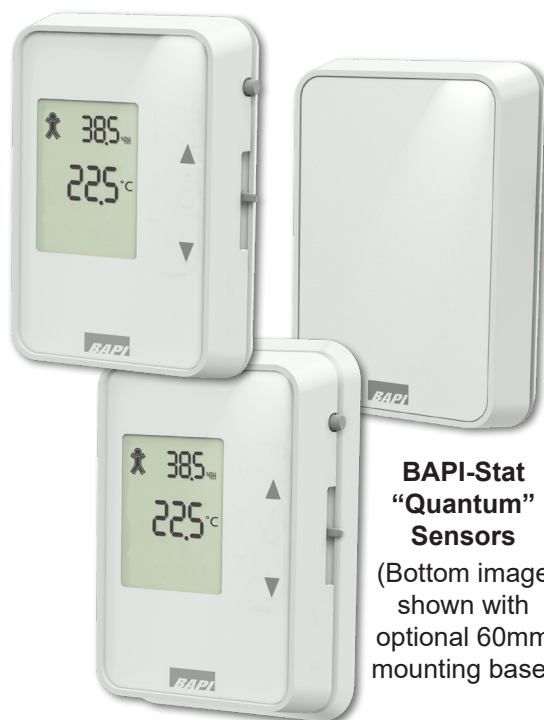
Features & Options

- BAPI-Stat “Quantum” Enclosure Style
- Optional Slider Setpoint Adjustment and Override
- Optional Display with Multiple Indicators and Icons
- 10 to 32°C or -3 to +3 Setpoint Range

The BAPI-Stat “Quantum” room sensors feature a modern enclosure style with optional display, temperature setpoint adjustment and occupancy override. The LCD can display temperature, humidity and room occupancy status. The display has been upgraded for higher contrast, providing improved clarity at greater distances.

The temperature setpoint adjustment is available with a 10 to 32°C or -3 to +3 range and 0 to 10V output. The optional override is available as a separate two-wire output.

The optional 60mm mounting base fits European style junction boxes.



BAPI-Stat “Quantum” Sensors
(Bottom image shown with optional 60mm mounting base)

Specifications

Power:

15 to 40 VDC (24 VDC nominal) or 15 to 28 VAC (24 VAC nominal)

Note: AC power requires a separate pair of shielded wires.

Power Consumption: 13 mA max DC; 0.32 VA max AC

Temperature Sensor:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

%RH Sensor:

Capacitive Polymer, $\pm 2\%\text{RH}$ @ 25°C, 20 to 80%RH

Temperature Setpoint:

10 to 32°C or -3 to +3 range, 0 to 10 V output

Occupancy Override:

A separate two-wire momentary switch closure

Wiring: 2 to 5 pair of 16 to 22AWG*

Mounting:

European junction box, drywall mount (screws provided) or U.S. junction box

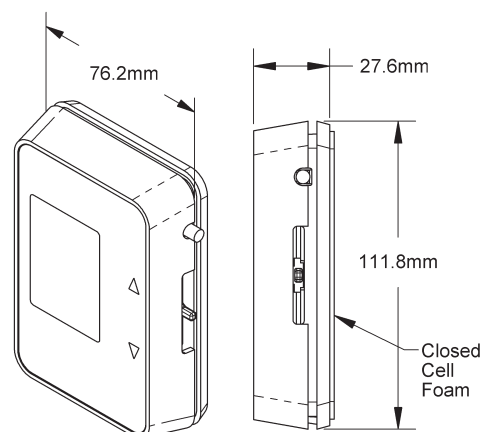
Environmental Operating Range:

0 to 50°C | 0 to 95%, non-condensing

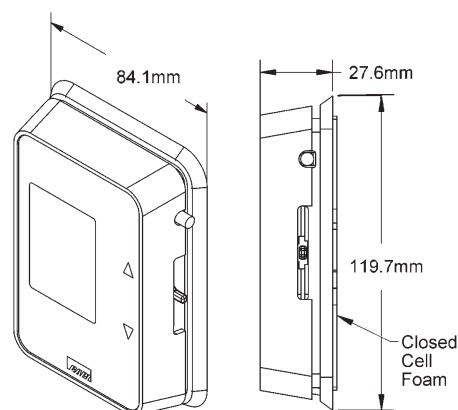
Enclosure Material: ABS plastic, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS

*BAPI recommends that you do not run wiring for the Room Units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils. Also, these units are not designed for line voltage applications.



Unit with Standard Mounting Base



Unit with 60mm Mounting Base



BAPI-Stat “Quantum” with Display Ordering

Humidity or Temp/Humidity Sensors

C5

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

UNITS WITH 10 TO 32°C SETPOINT RANGE & 60MM MOUNTING BASE

BA/HQ60C-B-C-1-C10-J

BAPI-Stat Quantum with Display, 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10V Output, %RH with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-C-C-1-C10-J

BAPI-Stat Quantum with Display, 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10V Output, %RH with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-V-C-1-C10-J

BAPI-Stat Quantum with Display, 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10V Output, %RH with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-A-C-1-C10-J

BAPI-Stat Quantum with Display, 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10V Output, %RH with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$331

UNITS WITH -3 TO +3 SETPOINT RANGE & 60MM MOUNTING BASE

BA/HQ60C-B-C-1-A10-J

BAPI-Stat Quantum with Display, 10K-2 Thermistor, -3 to +3 Setpoint Range with 0 to 10V Output, %RH with 0 to 10V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-C-C-1-A10-J

BAPI-Stat Quantum with Display, 10K-3 Thermistor, -3 to +3 Setpoint Range with 0 to 10V Output, %RH with 0 to 10V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-V-C-1-A10-J

BAPI-Stat Quantum with Display, 10K-4 Thermistor, -3 to +3 Setpoint Range with 0 to 10V Output, %RH with 0 to 10V Output, Override as a Separate Output, 60mm Base\$324

BA/HQ60C-A-C-1-A10-J

BAPI-Stat Quantum with Display, 1K Platinum RTD (385 Curve), -3 to +3 Setpoint Range with 0 to 10V Output, %RH with 0 to 10V Output, Override as a Separate Output, 60mm Base\$331

UNITS WITHOUT DISPLAY, SETPOINT OR OVERRIDE & 60MM BASE

BA/HQ60X-B-C-X-XX-X

BAPI-Stat Quantum without Display, 10K-2 Thermistor, %RH w/ 0 to 10 V Output, No Setpoint or Override ...\$278

BA/HQ60X-C-C-X-XX-X

BAPI-Stat Quantum without Display, 10K-3 Thermistor, %RH w/ 0 to 10 V Output, No Setpoint or Override ...\$278

BA/HQ60X-V-C-X-XX-X

BAPI-Stat Quantum without Display, 10K-4 Thermistor, %RH w/ 0 to 10 V Output, No Setpoint or Override ...\$278

BA/HQ60X-A-C-X-XX-X

BAPI-Stat Quantum without Display, 1K Platinum RTD (385 Curve), %RH with 0 to 10V Output, No Setpoint or Override\$285

Remove the “60” after HQP in the part number for a standard base instead of the 60mm base.

Example: BA/HQC-B-C-1-A10-J





Features & Options

- Quick-Response Sensor
- IP66/NEMA 4 BAPI-Box 2 Enclosure Style
- Well-Vented Sensor Guard
- Four Temperature Sensing Element Options

Outside Air Units are designed to be mounted outdoors. The UV-resistant plastic shield keeps the sensor out of the sunlight and allows for excellent air circulation. The units are available in a BAPI-Box 2 polycarbonate enclosure with an IP66/NEMA 4 rating.

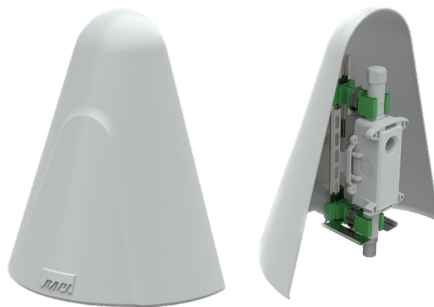
All Outside Air Units have etched Teflon leadwires and can withstand high humidity and condensation and perform under real world conditions. This is especially important in an outside air application which can be exposed to rain, snow and large temperature swings.



Weather Shade

External temperature and humidity sensors can be affected by solar heat gain. The BAPI Weather Shade effectively blocks the solar heat gain, improving the accuracy of the sensor.

(See Accessories for more info.)



Specifications

Power:

10 to 35 VDC, 22 mA max For units with 0 to 5 Humidity Output
 15 to 35 VDC, 6 mA max For units with 0 to 10 Humidity Output
 12 to 27 VAC, 0.53 VA max For units with 0 to 5 Humidity Output
 15 to 27 VAC, 0.53 VA max For units with 0 to 10 Humidity Output

Environmental Operating Range:

Temperature Sensor: -40 to 70°C
 Humidity: 0 to 100%, non-condensing

Temperature Sensor:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 1K Platinum RTD: $\pm 0.12\%$ at 0°C (385 curve)

Humidity Sensor (Capacitive):

$\pm 2\%$ from 10 to 80%RH @ 25°C
 $\pm 3\%$ from 80 to 90%RH @ 25°C

Humidity Output:

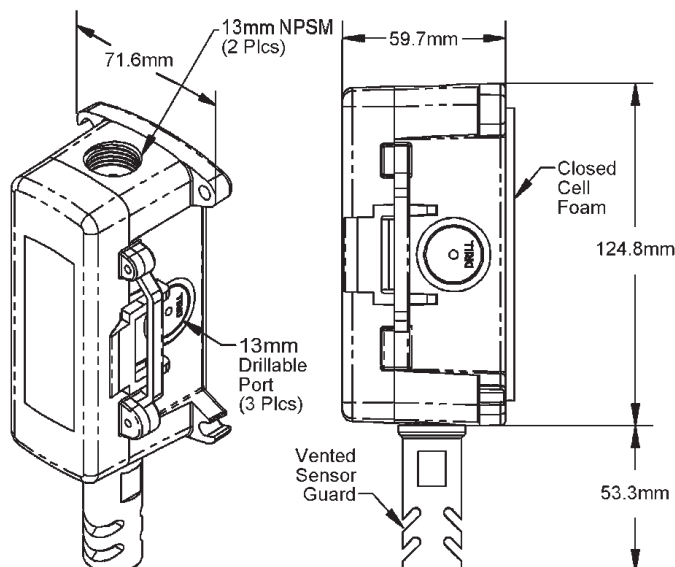
0 to 5 V or 0 to 10 V Output

Enclosure Rating: IP66, NEMA 4

Enclosure Material:

UV-resistant polycarbonate, UL94 V-0

Agency: CE EN 61326-1:2013 EMC





Outside Air Sensors Ordering

C7

Humidity or Temp/Humidity Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

TEMP/HUMIDITY UNITS WITH 4 TO 20MA OR 0 TO 5V %RH OUTPUT

BA/10K-2-H200-O-BB2

Outside Air Sensor, 10K-2 Thermistor, %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure..... \$270

BA/10K-3-H200-O-BB2

Outside Air Sensor, 10K-3 Thermistor, %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure..... \$270

BA/10K-4-H200-O-BB2

Outside Air Sensor, 10K-4 Thermistor, %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure..... \$270

BA/1K-H200-O-BB2

Outside Air Sensor, 1K Plat. RTD (385 Curve), %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure \$277



TEMP/HUMIDITY UNITS WITH 0 TO 10V %RH OUTPUT

BA/10K-2-H210-O-BB2

Outside Air Sensor, 10K-2 Thermistor, %RH with 0 to 10 V Output, BAPI-Box 2 Enclosure..... \$270

BA/10K-3-H210-O-BB2

Outside Air Sensor, 10K-3 Thermistor, %RH with 0 to 10 V Output, BAPI-Box 2 Enclosure..... \$270

BA/10K-4-H210-O-BB2

Outside Air Sensor, 10K-4 Thermistor, %RH with 0 to 10 V Output, BAPI-Box 2 Enclosure..... \$270

BA/1K-H210-O-BB2

Outside Air Sensor, 1K Plat. RTD (385 Curve), %RH with 0 to 10 V Output, BAPI-Box 2 Enclosure \$277

HUMIDITY ONLY UNITS

BA/H210-O-BB2

Outside Air Sensor, %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure \$252





Features & Options

- 10 Points of Calibration from 10 to 90%RH
- Humidity Only or Temp./Humidity Combination
- Replaceable Stainless Steel Filter
- Green Power Indication LED

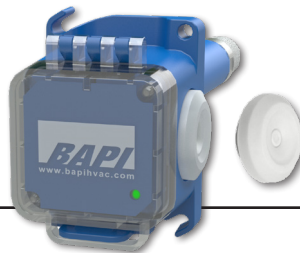
Humidity control is an important aspect of any climate control system. Therefore, humidity sensors must be both accurate and dependable. BAPI's humidity transmitters are calibrated at 10 points from 10 to 90%RH for accuracy, eliminating field calibration.

The Duct Units are also extremely dependable, featuring a BAPI-Box Crossover enclosure made of UV-resistant polycarbonate and nylon. The BAPI-Box Crossover carries an IP10 rating, or IP44 with a Pierceable Knockout Plug in the open port.



Pierceable Knockout Plugs

These plugs are available for the open port in the BAPI-Box Crossover and raise the rating from IP10 to IP44.



Specifications

Power:

10 to 35 VDC, 22 mA max For units with 0 to 5 V Humidity Output
 15 to 35 VDC, 6 mA max For units with 0 to 10 V Humidity Output
 12 to 27 VAC, 0.53 VA max For units with 0 to 5 V Humidity Output
 15 to 27 VAC, 0.53 VA max For units with 0 to 10 V Humidity Output

Environmental Operating Range:

Temperature Sensor: -40 to 70°C
 Humidity: 0 to 100%, non-condensing

Temperature Sensor:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)
 1K Plat. RTD: $\pm 0.12\%$ at 0°C (385 curve)

Humidity Sensor (Capacitive):

$\pm 2\%$ from 10 to 80%RH @ 25°C
 $\pm 3\%$ from 80 to 90%RH @ 25°C

Humidity Output:

0 to 5V or 0 to 10V

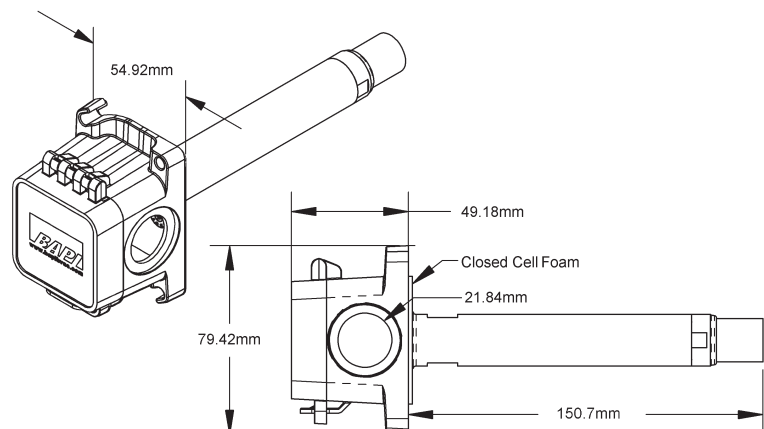
Enclosure Rating:

IP10, NEMA 1 (IP44 with knockout plug)

BAPI-Box Crossover Material:

Cover: Polycarbonate, UL94 V-0
 Base: Nylon, UL94 HB

Agency: CE EN 61326-1:2013 EMC





Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

TEMP/HUMIDITY UNITS WITH 0 TO 5V %RH OUTPUT

BA/10K-2-H200-D-BBX	
Outside Air Sensor, 10K-2 Thermistor, %RH with 0 to 5 V Output, BAPI-Box Crossover	\$258
BA/10K-3-H200-D-BBX	
Outside Air Sensor, 10K-3 Thermistor, %RH with 0 to 5 V Output, BAPI-Box Crossover	\$258
BA/10K-4-H200-D-BBX	
Outside Air Sensor, 10K-4 Thermistor, %RH with 0 to 5 V Output, BAPI-Box Crossover	\$258
BA/1K-H200-D-BBX	
Outside Air Sensor, 1K Plat. RTD (385 Curve), %RH with 0 to 5 V Output, BAPI-Box 2 Enclosure	\$265



TEMP/HUMIDITY UNITS WITH 0 TO 10V %RH OUTPUT

BA/10K-2-H210-D-BBX	
Outside Air Sensor, 10K-2 Thermistor, %RH with 0 to 10 V Output, BAPI-Box Crossover	\$258
BA/10K-3-H210-D-BBX	
Outside Air Sensor, 10K-3 Thermistor, %RH with 0 to 10 V Output, BAPI-Box Crossover	\$258
BA/10K-4-H210-D-BBX	
Outside Air Sensor, 10K-4 Thermistor, %RH with 0 to 10 V Output, BAPI-Box Crossover	\$258
BA/1K-H210-D-BBX	
Outside Air Sensor, 1K Plat. RTD (385 Curve), %RH with 0 to 10 V Output, BAPI-Box Crossover	\$265

HUMIDITY ONLY UNITS

BA/H210-D-BBX	
Outside Air Sensor, %RH with 0 to 5 V Output, BAPI-Box Crossover	\$240

PIERCEABLE KNOCKOUT PLUGS

BA/PKP-100	
Pierceable Knockout Plugs for Enclosure Ports, pack of 100	\$130





Features & Options

- 4 to 20 mA Temperature Output over a 4.5 to 49°C Range
- 4 to 20 mA Humidity Output over a 20 to 90%RH Range
- NIST Certified Temperature at 23.9°C
- NIST Certified Humidity at 40%RH @ 23.9°C
- Sensor Hangs from 3.7 meters of PVC-Jacketed Cable
- $\pm 2\%$ RH Humidity Accuracy
- $\pm 0.3^\circ\text{C}$ Temperature Accuracy

BAPI's Pendant Temperature and Humidity Sensor features a BAPI-Box enclosure and 3.7m of PVC-jacketed cable. The temperature measurement has a 4 to 20mA output over a 44.5 to 49°C range with an accuracy of $\pm 0.3^\circ\text{C}$. The humidity measurement has a 4 to 20 mA output over a 20 to 90%RH range.



Ordering

Part Number

USD LIST

BA/THP[40 TO 120F]-H220-12'

Pendant Sensor with 4.5 to 49°C Temperature Range.. \$715

Specifications

Power: 16 to 40 VDC, 40 mA max (20 mA/loop) DC

Humidity Sensor Type: Capacitive Polymer

Temperature Sensor Type:

1K Ω , 2 Wire Platinum RTD, 385 Curve

Humidity Output: 4 to 20 mA over 20 to 90%RH Range

Temperature Output:

4 to 20mA over 4.5 to 49°C Range

Humidity Drift: $\pm 0.5\%$ RH per year

Humidity Accuracy:

$\pm 2\%$ (20 to 80%RH @ 25°C), Non-condensing

$\pm 3\%$ (80 to 90%RH @ 25°C), Non-condensing

Temperature Accuracy: $\pm 0.3^\circ\text{C}$

Output Impedance (Max Load/Loop):

700 Ω @ 24 VDC, Voltage drop is 10 VDC

(Supply Voltage – 10 VDC) / 0.02 Amps = Max load Impedance

Response Time: < 5 seconds in moving air

Environmental Operating Range:

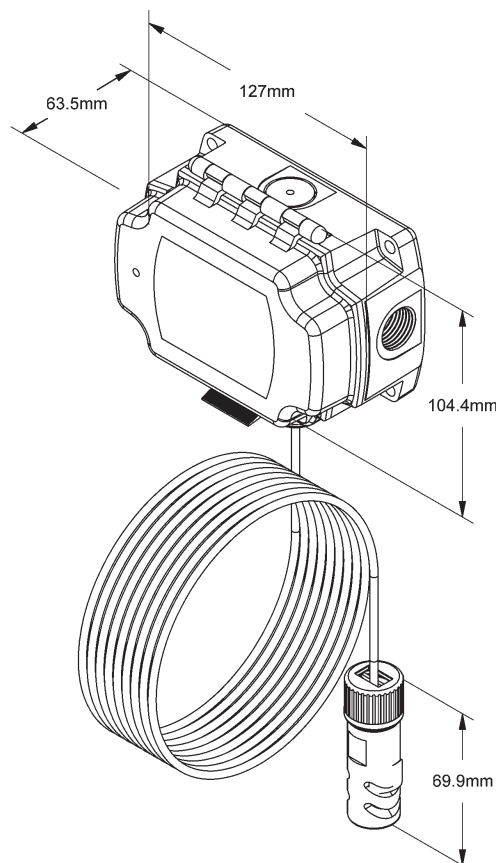
Temperature: -40 to 70°C

Humidity: 0 to 95%RH, non-condensing

Fully Temperature Compensated

BAPI-Box Material: UV-resistant Polycarbonate, UL94 V-0

Agency: RoHS



Pressure Sensors

“EZ” Panel Mount Pressure



pg D2

ZPM BAPI-Box Standard Accuracy ($\pm 1\%$)



pg D4

ZPM BAPI-Box Precision Accuracy ($\pm 0.25\%$)



pg D6

ZPM Pressure



pg D8

Differential Pressure Switch



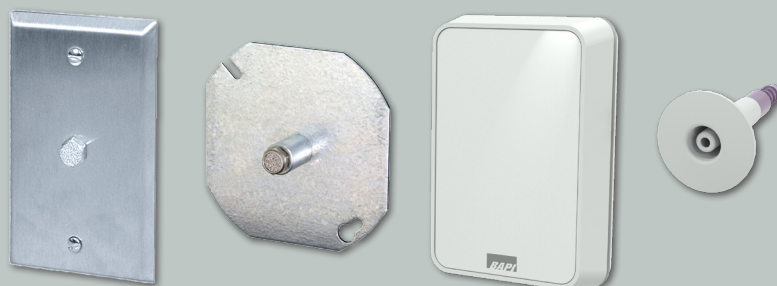
pg D10

Adjustable Pressure Switch



pg D11

Room, Wall and Ceiling Pressure Pickup Ports



pg D12

Outside Air Pressure Pickup Port



pg D14

Zone Pressure Probes & Accessories



pg D16



Features & Options

- 10 Pressure Ranges & Five Outputs – All Field Selectable
- Standard Range and Low Range Models
(-1,250 to +1,250 Pa or -250 to +250 Pascals)
- About 1/3rd the Size of Field Mount Pressure Sensors to Save Panel Space
- NIST Certificate Available at No Extra Charge
- Mounts in DIN Rail, Snaptrack or Directly to the Panel Backplane
- Display That Aids in Troubleshooting by Showing Pressure Over Entire Operational Range



Specifications

Power:

7 to 40 VDC (4 to 20 mA Output)
7 to 40 VDC or 6 to 28 VAC (0 to 5 or 1 to 5 V Output)
12 to 40 VDC or 9 to 28 VAC (0 to 10 or 2 to 10 V Output)

Power Consumption:

20 mA max, DC only at 4 to 20 mA Output
4.9 mA max DC at 0 to 5 or 0 to 10 VDC Output
0.12 VA max AC at 0 to 5 or 0 to 10 VDC Output

Load Resistance:

4 to 20 mA Output 850 Ω Maximum @ 24 VDC
0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC Output 6K Ω min.

Accuracy: $\pm 0.25\%$ FS at 25°C for all units

Low Range Unit: ± 1.24 Pa

Standard Range Unit: ± 6.22 Pa

Field Selectable Outputs:

4 to 20mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, 2 to 10 V

Field Selectable Ranges:

Standard Range Model (Pascals):

0 to 250 | 0 to 300 | 0 to 500 | 0 to 1,000 | 0 to 1,250 |
-250 to 250 | -300 to 300 | -500 to 500 |
-1,000 to 1,000 | -1,250 to 1,250

Low Range Model (Pascals) :

0 to 30 | 0 to 50 | 0 to 100 | 0 to 175 | 0 to 250 |
-30 to 30 | -50 to 50 | -100 to 100 | -175 to 175 |
-250 to 250

Total Error Band*:

Low Range: $\pm 1.25\%$ FS or ± 6.22 Pa

Standard Range: $\pm 0.5\%$ FS or ± 12.44 Pa

Stability:

Low Range: $\pm 0.35\%$ at 25°C for 1,000 Hours

Standard Range: $\pm 0.25\%$ at 25°C for 1,000 Hours

Overpressure:

Low Range: Proof: 3.6 PSI | Burst: 10.82 PSI

Standard Range: Proof: 7.21 PSI | Burst: 10.82 PSI

Media:

Clean, dry, non-corrosive gases

Environmental Operating Range:

-10 to 60°C

Storage Temp:

-40 to 85°C

Humidity:

0 to 95%RH, non-condensing

Port Size:

6.35mm barb

Enclosure Material:

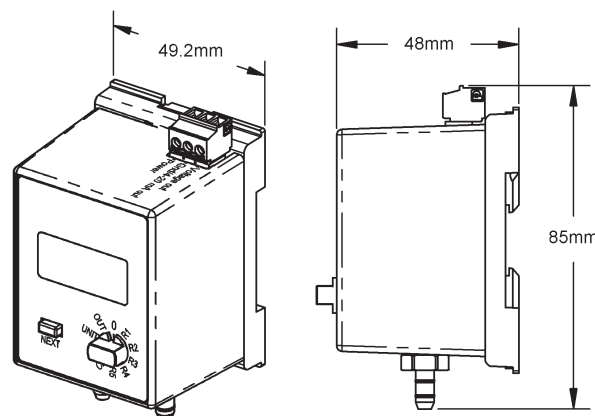
ABS Plastic, UL94 V-0

Mounting:

DIN Rail, Snaptrack or Surface

Agency:

RoHS, CE EN 61326-1:2013 EMC



*Total Error Band is the accuracy within the compensated temperature range of 0 to 50°C. The Total Error Band covers non-linearity, hysteresis and thermal effect on span. This is only valid after the initial startup and auto-zero process has been performed.



EZ Pressure Sensor Ordering

D3

Differential Air Pressure Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

STANDARD RANGE UNITS

ZPS-SR-EZ-NT-PA

EZ Pressure Standard Range, Pascals, Display, No Tube or Probe included \$360

ZPS-SR-EZ-ST-PA

EZ Pressure Standard Range, Pascals, Display with Static Pressure Probe..... \$360

LOW RANGE UNITS

ZPS-LR-EZ-NT-PA

EZ Pressure Low Range Unit, Pascals, Display, No Tube or Probe included \$360

ZPS-LR-EZ-ST-PA

EZ Pressure Low Range Unit Pascals, Display with Static Pressure Probe \$360

Note: Pressure Range and Output Range will be selected in the field for all EZ Pressure Sensors.



Field Selectable Pascal Pressure Ranges and Outputs

STANDARD RANGE UNITS

0 to 250
0 to 300
0 to 500
0 to 1,000
0 to 1,250
-250 to 250
-300 to 300
-500 to 500
-1,000 to 1,000
-1,250 to 1,250

LOW RANGE UNITS

0 to 30
0 to 50
0 to 100
0 to 175
0 to 250
-30 to 30
-50 to 50
-100 to 100
-175 to 175
-250 to 250

OUTPUTS AVAILABLE

4 to 20 mA
0 to 5 V
0 to 10 V
2 to 10 V
1 to 5 V





Features & Options

- 10 Pressure Ranges and 3 Output Options
- Standard, Low and High Range Models
- Non-Flow-Through Sensor
- IP66-rated Enclosure with Hinged Cover
- NIST Certificate Available at No Extra Charge
- Outputs, Ranges & Units Easily Set Without Power
- Display Aids in Troubleshooting by Showing the Actual Pressure Regardless of the Selected Range
- Three Pressure Status LEDs for "Line of Sight Troubleshooting"
- Simple Auto-Zeroing Process



Specifications

Power:

13 to 40 VDC (4 to 20 mA Output)
 7 to 40 VDC or 18 to 28 VAC (0 to 5 or 1 to 5 V Output)
 13 to 40 VDC or 18 to 28 VAC (0 to 10 or 2 to 10 V Output)

Power Consumption:

20 mA max, DC only at 4 to 20 mA Output
 7 mA max DC at 0 to 5 or 0 to 10 VDC Output
 0.58 VA max AC at 0 to 5 or 0 to 10 VDC Output

System Accuracy: $\pm 1.0\%$ FS, 0 to 40°C

Accuracy Low Range: ± 4.98 Pa
 Accuracy Standard Range: ± 24.9 Pa
 Accuracy High Range: ± 74.65 Pa

Total Error Band*:

Low Range: $\pm 1.25\%$ FS or ± 6.22 Pa
 Standard Range: $\pm 0.5\%$ FS or ± 12.44 Pa
 High Range: $\pm 0.5\%$ FS or ± 37.33 Pa

Temp Hysteresis & Stability: $\pm 1\%$ FS per year

Field Selectable Outputs:

4 to 20mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, 2 to 10 V

Field Selectable Ranges:

Standard Range Model (Pascals):
 0 to 250 | 0 to 300 | 0 to 500 | 0 to 1,000 | 0 to 1,250 |
 -250 to 250 | -300 to 300 | -500 to 500 |
 -1,000 to 1,000 | -1,250 to 1,250

Low Range Model (Pascals) :

0 to 30 | 0 to 50 | 0 to 100 | 0 to 175 | 0 to 250 |
 -30 to 30 | -50 to 50 | -100 to 100 | -175 to 175 |
 -250 to 250

High Range Model (Pascals) :

0 to 1,250 | 0 to 2,500 | 0 to 4,000 | 0 to 6,000 |
 0 to 7,400

*Total Error Band is the accuracy within the compensated temperature range of 0 to 50°C. The Total Error Band covers non-linearity, hysteresis and thermal effect on span. This is only valid after the initial startup and auto-zero process has been performed.

Load Resistance:

4 to 20 mA Output: 550Ω Max. @ 24 VDC
 Voltage Output: 6KΩ Minimum

Overpressure:

Low Range: Proof 74 kPa
 Standard Range: Proof 74 kPa
 High Range: Proof 124 kPa

Environmental Operating Range:

Temp: -20 to 60°C
 Humidity: 0 to 95%RH, non-condensing

Storage Temp: -40 to 85°C

Media: Clean, dry, non-corrosive gases

Wiring: 3 wires (2 wires for 4 to 20 mA output)

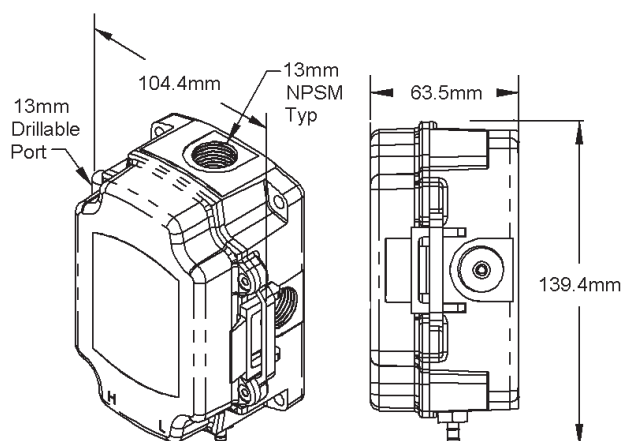
Enclosure Material:

UV-resistant Polycarbonate, UL94 V-0

Enclosure Rating: IP66, NEMA 4

Port Size: 6.35mm barb

Agency: CE EN 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS





ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) Ordering

Zone Pressure Multi-Sensor (ZPM) in an IP66 enclosure

D5

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

STANDARD RANGE UNITS

BA/ZPMB-SR-NT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, Standard Range, No Probe included..... \$200

BA/ZPMB-SR-AT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, Standard Range, Attached Static Probe \$215

LOW RANGE UNITS

BA/ZPMB-LR-NT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, Low Range, No Probe included..... \$200

BA/ZPMB-LR-AT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, Low Range, Attached Static Probe..... \$215

HIGH RANGE UNITS

BA/ZPMB-HR-NT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, High Range, No Probe included..... \$200

BA/ZPMB-HR-AT-D-BB

ZPM BAPI-Box - Standard Accuracy ($\pm 1\%$) with Display, High Range, Attached Static Probe..... \$215

OPTIONAL STATIC PRESSURE PROBE ASSEMBLY

BA/ZPS-ACC07

Static Pressure Probe Assembly, Aluminum 6" long..... \$28

Note: Pressure Range, Output Range and Inches of Water Column or Pascal Operation will be selected in the field for all ZPM BAPI-Box Pressure Sensors.



Field Selectable Pascal Pressure Ranges and Outputs

STANDARD RANGE UNITS

0 to 250
0 to 300
0 to 500
0 to 1,000
0 to 1,250

-250 to 250
-300 to 300
-500 to 500
-1,000 to 1,000
-1,250 to 1,250

LOW RANGE UNITS

0 to 30
0 to 50
0 to 100
0 to 175
0 to 250

-30 to 30
-50 to 50
-100 to 100
-175 to 175
-250 to 250

HIGH RANGE UNITS

0 to 1,250
0 to 2,500
0 to 4,000
0 to 6,000
0 to 7,400

OUTPUTS AVAILABLE

4 to 20 mA
0 to 5 V
0 to 10 V
2 to 10 V
1 to 5 V





Features & Options

- 10 Pressure Ranges and 3 Output Options
- Standard, Low and High Range Models
- Non-Flow-Through Sensor
- IP66-rated Enclosure with Hinged Cover
- NIST Certificate Available at No Extra Charge
- Outputs, Ranges & Units Easily Set Without Power
- Optional Display Aids in Troubleshooting by Showing the Actual Pressure Regardless of the Selected Range
- Three Pressure Status LEDs for "Line of Sight Troubleshooting"
- Simple Auto-Zeroing Process



Specifications

Power:

13 to 40 VDC (4 to 20 mA Output)
7 to 40 VDC or 18 to 28 VAC (0 to 5 or 1 to 5 V Output)
13 to 40 VDC or 18 to 28 VAC (0 to 10 or 2 to 10 V Output)

Power Consumption:

20 mA max, DC only at 4 to 20 mA Output
7 mA max DC at 0 to 5 or 0 to 10 VDC Output
0.58 VA max AC at 0 to 5 or 0 to 10 VDC Output

System Accuracy: $\pm 0.25\%$ FS at 22°C

Accuracy Low Range: ± 1.24 Pa
Accuracy Standard Range: ± 6.22 Pa
Accuracy High Range: ± 18.66 Pa

Total Error Band*:

Low Range: $\pm 1.25\%$ FS or ± 6.22 Pa
Standard Range: $\pm 0.5\%$ FS or ± 12.44 Pa
High Range: $\pm 0.5\%$ FS or ± 37.33 Pa

Temp Hysteresis & Stability: $\pm 0.25\%$ FS per year

Field Selectable Outputs:

4 to 20mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, 2 to 10 V

Field Selectable Ranges:

Standard Range Model (Pascals):
0 to 250 | 0 to 300 | 0 to 500 | 0 to 1,000 | 0 to 1,250 |
-250 to 250 | -300 to 300 | -500 to 500 |
-1,000 to 1,000 | -1,250 to 1,250

Low Range Model (Pascals) :

0 to 30 | 0 to 50 | 0 to 100 | 0 to 175 | 0 to 250 |
-30 to 30 | -50 to 50 | -100 to 100 | -175 to 175 |
-250 to 250

High Range Model (Pascals) :

0 to 1,250 | 0 to 2,500 | 0 to 4,000 | 0 to 6,000 |
0 to 7,400

*Total Error Band is the accuracy within the compensated temperature range of 0 to 50°C. The Total Error Band covers non-linearity, hysteresis and thermal effect on span. This is only valid after the initial startup and auto-zero process has been performed.

Load Resistance:

4 to 20 mA Output: 850Ω Max. @ 24 VDC
Voltage Output: 6KΩ Minimum

Overpressure:

Low Range: Proof 67 kPa
Standard Range: Proof 74 kPa
High Range: Proof 87 kPa

Environmental Operating Range:

Temp: -20 to 60°C
Humidity: 0 to 95%RH, non-condensing

Storage Temp: -40 to 85°C

Media: Clean, dry, non-corrosive gases

Wiring: 3 wires (2 wires for 4 to 20 mA output)

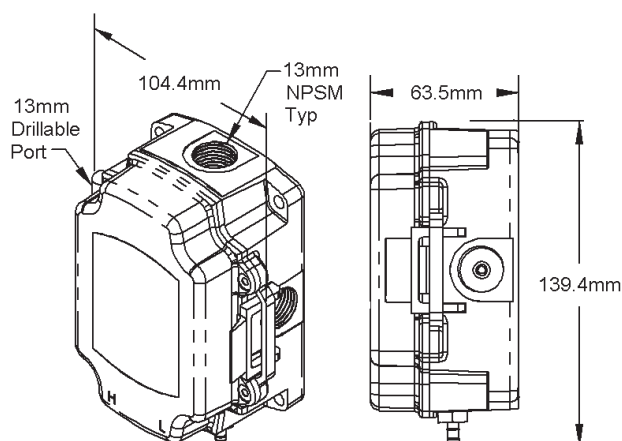
Enclosure Material:

UV-resistant Polycarbonate, UL94 V-0

Enclosure Rating: IP66, NEMA 4

Port Size: 6.35mm barb

Agency: CE EN 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS





ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) Ordering

Zone Pressure Multi-Sensor (ZPM) in an IP66 enclosure

D7

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number**USD LIST****STANDARD RANGE UNITS****BA/ZPM-SR-NT-D-BB**

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Standard Range, No Probe included\$425

BA/ZPM-SR-ST-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Standard Range, Static Probe\$425

BA/ZPM-SR-AT-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Standard Range, Attached Static Probe\$425

BA/ZPM-SR-NT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Standard Range, No Probe included\$425

BA/ZPM-SR-ST-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Standard Range, Static Probe\$425

BA/ZPM-SR-AT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Standard Range, Attached Static Probe ...\$425

LOW RANGE UNITS**BA/ZPM-LR-NT-D-BB**

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Low Range, No Probe included\$425

BA/ZPM-LR-ST-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Low Range, Static Probe\$425

BA/ZPM-LR-AT-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, Low Range, Attached Static Probe\$425

BA/ZPM-LR-NT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Low Range, No Probe included\$425

BA/ZPM-LR-ST-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Low Range, Static Probe\$425

BA/ZPM-LR-AT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, Low Range, Attached Static Probe\$425

HIGH RANGE UNITS**BA/ZPM-HR-NT-D-BB**

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, High Range, No Probe included.....\$425

BA/ZPM-HR-ST-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, High Range, Static Probe.....\$425

BA/ZPM-HR-AT-D-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) with Display, High Range, Attached Static Probe.....\$425

BA/ZPM-HR-NT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, High Range, No Probe included.....\$425

BA/ZPM-HR-ST-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, High Range, Static Probe.....\$425

BA/ZPM-HR-AT-ND-BB

ZPM BAPI-Box - Precision Accuracy ($\pm 0.25\%$) without Display, High Range, Attached Static Probe.....\$425

Note: Pressure Range, Output Range and Inches of Water Column or Pascal Operation will be selected in the field for all ZPM BAPI-Box Pressure Sensors.





Features & Options

- 10 Pressure Ranges and 3 Output Options
- Standard, Low and High Range Models
- Non-Flow-Through Sensor
- NIST Certificate Available at No Extra Charge
- Thumb Latch Closure - No Screws to Lose
- Outputs, Ranges & Units Easily Set Without Power
- Optional Display Aids in Troubleshooting by Showing the Actual Pressure Regardless of the Selected Range
- Three Pressure Status LEDs for "Line of Sight Troubleshooting"
- Simple Auto-Zeroing Process



Specifications

Power:

13 to 40 VDC (4 to 20 mA Output)
 7 to 40 VDC or 18 to 28 VAC (0 to 5 V Output)
 13 to 40 VDC or 18 to 28 VAC (0 to 10 or 2 to 10 V Output)

Power Consumption:

20 mA max, DC only at 4 to 20 mA Output
 7 mA max DC at 0 to 5 or 0 to 10 VDC Output
 0.58 VA max AC at 0 to 5 or 0 to 10 VDC Output

System Accuracy: $\pm 0.25\%$ FS at 22°C

Accuracy Low Range: ± 1.24 Pa
 Accuracy Standard Range: ± 6.22 Pa
 Accuracy High Range: ± 18.66 Pa

Total Error Band*:

Low Range: $\pm 1.25\%$ FS or ± 6.22 Pa
 Standard Range: $\pm 0.5\%$ FS or ± 12.44 Pa
 High Range: $\pm 0.5\%$ FS or ± 37.33 Pa

Temp Hysteresis & Stability: $\pm 0.25\%$ FS per year

Field Selectable Outputs:

4 to 20mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, 2 to 10 V

Field Selectable Ranges:

Standard Range Model (Pascals):
 0 to 250 | 0 to 300 | 0 to 500 | 0 to 1,000 | 0 to 1,250 |
 -250 to 250 | -300 to 300 | -500 to 500 |
 -1,000 to 1,000 | -1,250 to 1,250

Low Range Model (Pascals) :

0 to 30 | 0 to 50 | 0 to 100 | 0 to 175 | 0 to 250 |
 -30 to 30 | -50 to 50 | -100 to 100 | -175 to 175 |
 -250 to 250

High Range Model (Pascals) :

0 to 1,250 | 0 to 2,500 | 0 to 4,000 | 0 to 6,000 |
 0 to 7,400

Load Resistance:

4 to 20 mA Output: 850Ω Max. @ 24 VDC
 Voltage Output: 6KΩ Minimum

Overpressure:

Low Range: Proof 67 kPa
 Standard Range: Proof 74 kPa
 High Range: Proof 87 kPa

Environmental Operating Range:

Temp: -20 to 60°C
 Humidity: 0 to 95%RH, non-condensing

Storage Temp: -40 to 85°C

Media: Clean, dry, non-corrosive gases

Wiring: 3 wires (2 wires for 4 to 20 mA output)

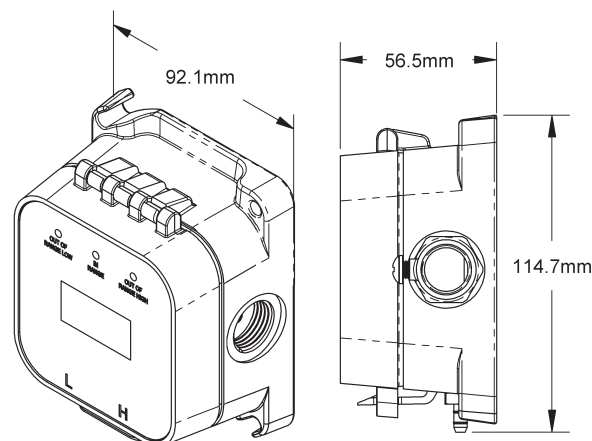
Enclosure Material:

UV-resistant Polycarbonate, UL94 V-0

Enclosure Rating: IP44, NEMA 2

Port Size: 6.35mm barb

Agency: CE EN 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS



*Total Error Band is the accuracy within the compensated temperature range of 0 to 50°C. The Total Error Band covers non-linearity, hysteresis and thermal effect on span. This is only valid after the initial startup and auto-zero process has been performed.



ZPM Pressure Sensor Ordering

Zone Pressure Multi-Sensor (ZPM)

D9

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

STANDARD RANGE UNITS

BA/ZPM-SR-NT-D

ZPM with Display, Standard Range, No Probe included\$360

BA/ZPM-SR-ST-D

ZPM with Display, Standard Range, Static Probe\$360

BA/ZPM-SR-AT-D

ZPM with Display, Standard Range, Attached Static Probe\$360

BA/ZPM-SR-NT-ND

ZPM without Display, Standard Range, No Probe included\$360

BA/ZPM-SR-ST-ND

ZPM without Display, Standard Range, Static Probe\$360

BA/ZPM-SR-AT-ND

ZPM without Display, Standard Range, Attached Static Probe\$360

LOW RANGE UNITS

BA/ZPM-LR-NT-D

ZPM with Display, Low Range, No Probe included\$360

BA/ZPM-LR-ST-D

ZPM with Display, Low Range, Static Probe\$360

BA/ZPM-LR-AT-D

ZPM with Display, Low Range, Attached Static Probe\$360

BA/ZPM-LR-NT-ND

ZPM without Display, Low Range, No Probe included\$360

BA/ZPM-LR-ST-ND

ZPM without Display, Low Range, Static Probe\$360

BA/ZPM-LR-AT-ND

ZPM without Display, Low Range, Attached Static Probe\$360

HIGH RANGE UNITS

BA/ZPM-HR-NT-D

ZPM with Display, High Range, No Probe included\$360

BA/ZPM-HR-ST-D

ZPM with Display, High Range, Static Probe\$360

BA/ZPM-HR-AT-D

ZPM with Display, High Range, Attached Static Probe\$360

BA/ZPM-HR-NT-ND

ZPM without Display, High Range, No Probe included\$360

BA/ZPM-HR-ST-ND

ZPM without Display, High Range, Static Probe\$360

BA/ZPM-HR-AT-ND

ZPM without Display, High Range, Attached Static Probe\$360

Note: Pressure Range, Output Range and Inches of Water Column or Pascal Operation will be selected in the field for all ZPM Pressure Sensors.





Features & Options

- Easy-to-Access Field Adjustable Setpoint from 20 to 10,000 Pa
- 5 Amp Silver Contacts, NO and NC
- Built-In Pressure Snubber for More Stable Readings

The BAPI Differential Pressure Switch is ideal for air filter monitoring, static pressure proving, airflow proving or auxiliary fan actuation.

The setpoint is field adjustable from 20 to 10,000 Pa, and the unit can measure positive pressure, vacuum or true differential pressure. The six pressure ranges are field selectable by changing a color-coded spring. The spring for the range that you order is preinstalled, and the other five springs are shipped with the unit so that you can change ranges in the field if you choose.



Ordering

Part Number	Description	USD LIST
BA/SW1A	Differential Pressure Switch, 20 to 200 Pa	\$84
BA/SW2A	Differential Pressure Switch, 120 to 300 Pa	\$84
BA/SW3A	Differential Pressure Switch, 180 to 550 Pa	\$84
BA/SW5A	Differential Pressure Switch, 800 to 2600 Pa	\$98
BA/SW6A	Differential Pressure Switch, 2200 to 6000 Pa	\$98
BA/SW7A	Differential Pressure Switch, 3000 to 10000 Pa	\$98
BA/SQ1BIT	Square Screwdriver Bit to turn the Pressure Adjustment Screw.....	*\$1

*Net Price - Multipliers do not apply on the Square Screwdriver Bit.

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Measurement Media: Air, Combustion Gases

Operating Environment:

-40 to 85°C | 5 to 95%RH non-condensing
Note: Not intended for outdoor use

Contact Ratings: 5 Amp Resistive, 125 VAC

Proof Pressure: 3.6 PSI, 24,900 Pa

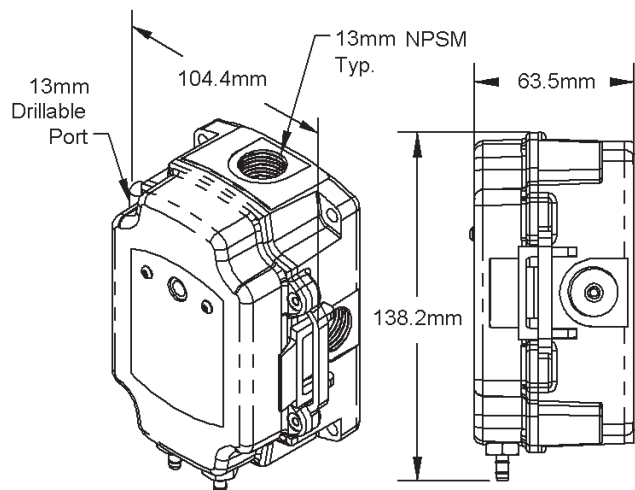
Pressure Ports: 6.35mm Barbed Fittings

Switch Type: SPDT (Silver Contacts)

Repeatability: <10% of Setting

Wiring: 6.35mm Quick-Disconnect Terminals

Agency: RoHS





Adjustable Pressure Switch

Zone Pressure Switch

Rev. 04/15/26

D11



Features & Options

- Designed for Monitoring Overpressure, Vacuum and Differential Pressure of Air or Other Non-Combustible, Non-Aggressive Gases
- Ideal for Air Filter and Fan Status Monitoring, Industrial Cooling-Air Circuit Monitoring, Duct Air Flow Monitoring, Air Flow Proving for Heater Control and Frost Prevention Circuits
- Field-Adjustable Dial to Select Any Trip Value Within Each Pressure Range



Ordering

Part Number	Pressure Range	Accuracy/ Repeatability	Encl. Rating	USD LIST
BA/APSW1	20 to 300 Pa.....	±5% / min. ±5 Pa	IP54	\$25
BA/APSW2	50 to 500 Pa.....	±2.5% / min. ±5 Pa	IP54	\$25
BA/APSW3	200 to 1,000 Pa.....	±1% / min. ±5 Pa	IP54	\$25
BA/APSW4	30 to 400 Pa.....	±5% / min. ±5 Pa	IP54	\$25
BA/APSW5	500 to 2,500 Pa.....	±1%.....	IP54	\$25
BA/APSW6	1,000 to 5,000 Pa.....	±1%.....	IP54	\$25
BA/APSW1-65	20 to 300 Pa.....	±5% / min. ±5 Pa	IP65	\$37
BA/APSW2-65	50 to 500 Pa.....	±2.5% / min. ±5 Pa	IP65	\$37
BA/APSW3-65	200 to 1,000 Pa.....	±1% / min. ±5 Pa	IP65	\$37
BA/APSW4-65	30 to 400 Pa.....	±5% / min. ±5 Pa	IP65	\$37
BA/APSW5-65	500 to 2,500 Pa.....	±1%.....	IP65	\$37
BA/APSW6-65	1,000 to 5,000 Pa.....	±1%.....	IP65	\$37
BA/APSW-ACC	2 Total Pressure Tubes and 2 Meters of Pressure Tubing			\$3.50

Gray shaded items follow the Buy and Resale Multiplier.

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Burst Pressure: 10 kPa for all pressure ranges

Medium: Air, non-combustible and non-aggressive gases

Operating Temperature: -20 to +85°C

Storage Temperature: -40 to +85°C

Accuracy: Deviation: $\leq \pm 15\%$, min. ± 10 Pa | Drift: $\leq \pm 15\%$

Diaphragm Material: Silicone, tempered at 200°C, free of gas emissions

Body and Cover Material: UV-resistant plastic

Protection Category: IP54 or IP65

Mechanical Working Life: Over 1,000,000 switching operations

Electrical Rating:

0.4A Inductive, 250 VAC | 1.5A Resistive, 250 VAC

0.8A Inductive, 125 VAC | 3.0A Resistive, 125 VAC

0.4A, 30VDC | 0.1A, 24 VDC

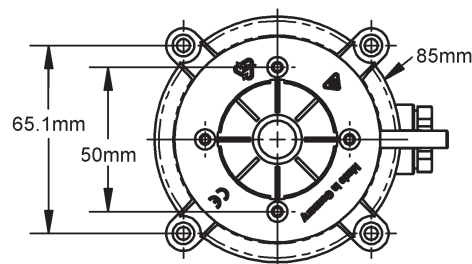
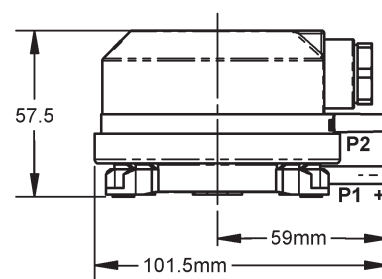
Electrical connections:

6.35mm Spade Plug (AMP flat plug), 6.3 x 0.8mm in accordance with DIN 46244 or push-on screw terminals included

Pressure Connections: 2 plastic pipe connection pieces, external dia. 6mm

Cable Conduit: M20 threads for 6.5 to 9.5mm OD cable

CE Conformity: Low Voltage Directive 2014/35/EU; RoHS Directive 2011/65/EU





Features & Options

- Wall and Ceiling Ports That Are Economical & Easy to Install
- Includes 80 Micron Sintered SS Filter To Prevent Insects or Debris from Entering or Plugging the Tubing
- Accommodates 3.2 to 3.8mm I.D. Tubing
- Modern BAPI-Stat “Quantum” Enclosure Style on Room Ports
- Low Profile “Button” Pickup Port That Is Smaller Than a Quarter in Size and Blends In With Its Surroundings



Specifications

Material:

Quantum, Delta Style & Low Profile:
ABS Plastic, UL 94, V-0

Wall Plate: Stainless Steel

Ceiling Plate: Galvanized Steel

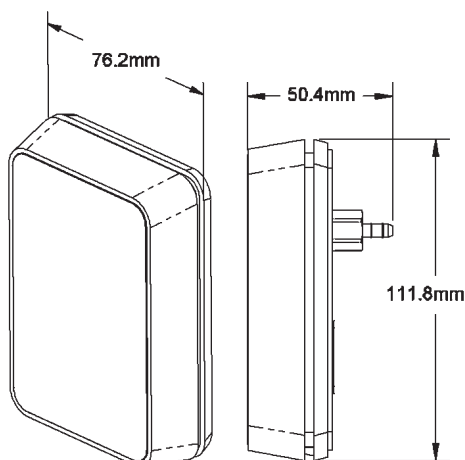
Environmental Operating Range:

Wall & Ceiling Plates:

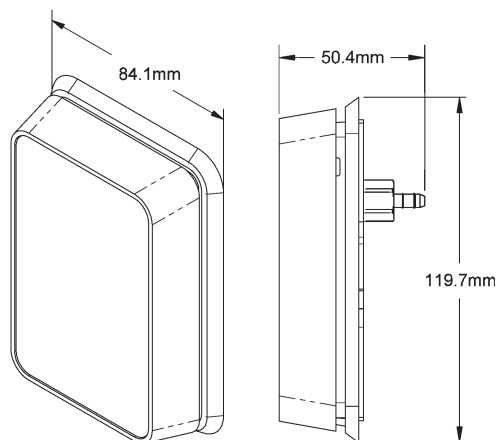
0 to 50°C | 0% to 95%RH, non-condensing

Low Profile Port:

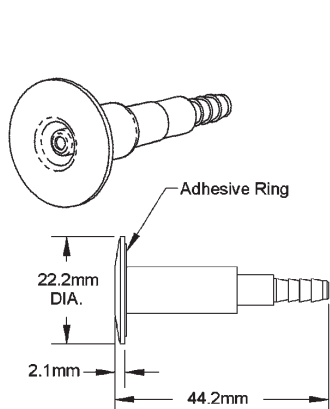
-40 to 85°C | 0% to 100%RH, non-condensing



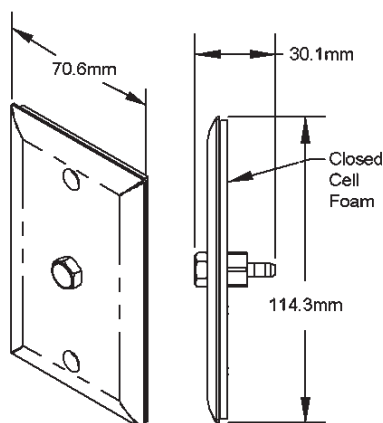
BAPI-Stat “Quantum” Enclosure
(with standard mounting base)



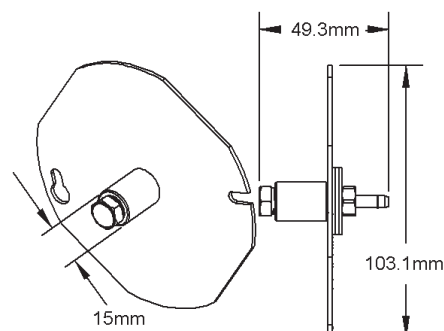
BAPI-Stat “Quantum” Enclosure
(with optional 60mm mounting base)



Low Profile Port



Wall Plate



Ceiling Mount Cover



Zone Pressure Pickup Ports Ordering

Zone Pressure Sensor Accessories

D13

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

ZPS-ACC01

Stainless Steel Wall Plate with Static Pickup\$18

ZPS-ACC04

BAPI-Stat "Quantum" with Static Pickup, standard mounting base.....\$15

ZPS-ACC04-60

BAPI-Stat "Quantum" with Static Pickup, 60mm mounting base.....\$15

ZPS-ACC05

Ceiling Mount Square Cover with Static Pickup\$15

ZPS-ACC20

Low Profile Pressure Pickup Port.....\$30





Features & Options

- Rooftop and Wall Mount or Vertical Mount for Building Soffits or Ceilings.
- Rugged, UV-Resistant and Flame-Retardant Plastic to Perform and Last Under Harsh Conditions
- Parallel Plate Design Reduces Fluctuations from Wind Gusts for More Stable Readings

REDUCING THE UNWANTED EFFECTS OF WIND GUSTS

Differences in building pressure are caused by the operation of supply fans or exhaust fans and usually measure less than 30 Pascals. A gentle breeze of 16 KMH provides a pressure of 12 Pa, while a strong wind of 64 KMH provides 192 Pa. A gale of 120 KMH can measure over 670 Pa. The parallel plate design of BAPI's Outside Air Pickup Port significantly reduces these unwanted wind pressures for a stable and accurate reading at the pressure sensor and controller.



Ordering

Part Number

USD LIST

ZPS-ACC10

Rooftop and Wall Mount Outside Air Pressure Pickup Port.....\$45

ZPS-ACC10-V

Vertical Mount Outside Air Pressure Pickup Port\$45

Submittal sheets without List Prices are available on our website at www.bapihvac.com

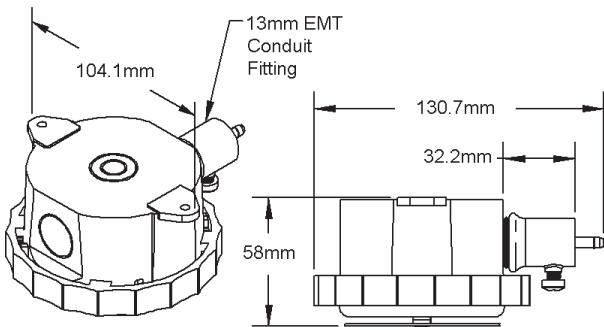
Specifications

Environmental Operating Range:

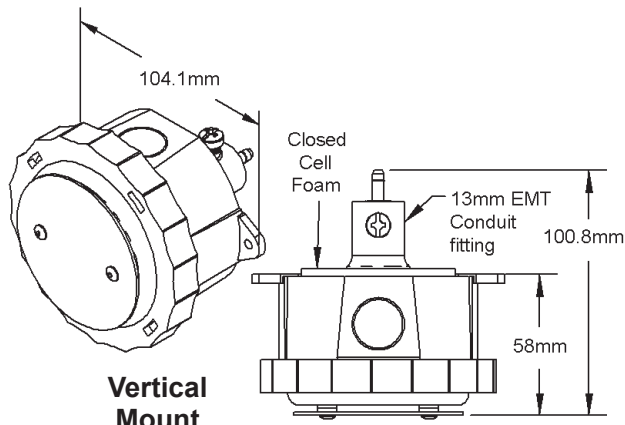
-40 to 100°C | 0% to 100%RH, condensing

Material:

UV-resistant plastic



Rooftop and Wall Mount





Zone Pressure Probes & Accessories

Zone Pressure Sensor Accessories

Rev. 04/15/26

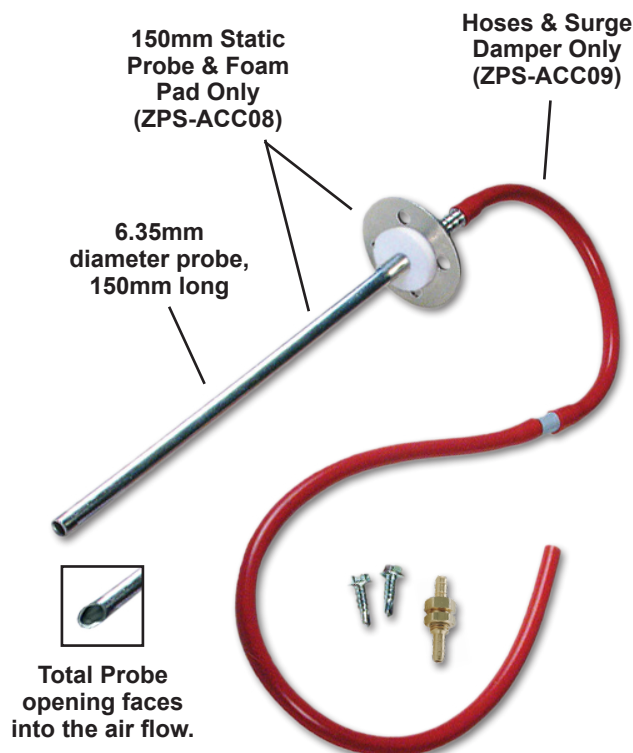
D15

Features & Options

- Individual Static or Total Pressure Probes, or Probe Assemblies that Include Probe and Rubber Hose with Built-In Surge Damper
- Pitot Pressure Probe Assembly That Includes the Total Probe Assembly and the Static Probe Assembly
- Besides the probe assemblies (which includes all the components), many of the assembly components are available in smaller groupings.
- Accommodates 3.2 to 3.8mm I.D. Tubing
- Silicon Tubing on Probe Assemblies is 3.2mm ID, 6.35mm OD
- All Probe Assemblies Include a Built-In 5 Micron Surge Damper That Absorbs Rapid Pressure Fluctuations, Such As Those Caused By Opening and Closing of Doors



Silicone Rubber Tubing
(ZPS-SIL-250-125-50)



Static Pressure Probe Assembly, 150mm (ZPS-ACC07)



Surge Damper,
5 micron
(ZPS-ACC15-10)



Static Probe Only, Zero
Depth (ZPS-ACC22)



Ordering

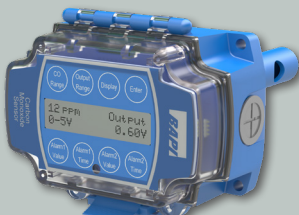
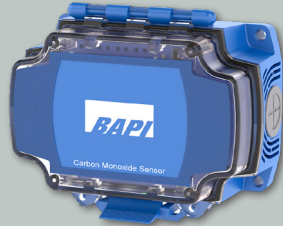
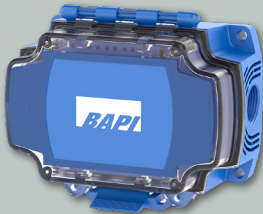
Part Number	Description	USD LIST
ZPS-ACC07	Static Probe Assembly, Aluminum 150mm long.....	\$28
ZPS-ACC08	Static Probe & Foam Pad Only, Alum. 150mm long (doesn't include tubing & damper)..	\$13
ZPS-ACC09	Rubber Tubing with Built-In Surge Damper (includes a bulkhead fitting).....	\$15
ZPS-ACC11	Pitot Probe Assembly, Alum. 90mm long (includes static & total probe assemblies).....	\$72
ZPS-ACC12	Pitot Probe Assembly, Aluminum 150mm long (includes ZPS-ACC07)	\$72
ZPS-ACC13	Total Probe Only, Alum. 90mm, w/ Circular Foam (doesn't include hoses & damper).....	\$14
ZPS-ACC14	Total Probe Only, Aluminum 150mm, w/ Circular Foam (doesn't include hoses & damper) ...	\$14
ZPS-ACC15-10	Surge Damper Only, 5 micron (10pcs).....	\$80
ZPS-ACC17	Static Probe Only, Alum. 13mm w/ Circular Foam (doesn't include hoses & damper)...	\$10.50
ZPS-ACC18	2 Static Pressure Probe Assemblies, Aluminum 150mm long	\$56
ZPS-ACC21	Stainless Steel Static Probe Only (150mm) with Circular Foam & Mounting Screws (doesn't include hoses & damper)	\$40
ZPS-ACC22	Static Probe Only, Zero Length, with Circular Foam and Mounting Screws	\$7.50
ZPS-SIL-250-125-50	Silicone Rubber Tubing, 15 Meter Roll (3.2mm ID, 6.35mm OD).....	\$73.50



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Air Quality Sensors		
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NO₂ – Programmable Duct & Rough Service  pg E20	Particulate Matter – BAPI-Stat “Quantum”  pg E22	Particulate Matter – Duct Mount  pg E23
	Refrigerant Leak Detector - Duct and Rough Service  pg E24	



Features & Options

- VOC Alone or with Temperature, Setpoint and Override
- Achieves True Indoor Air Quality, Not Just CO₂ Dilution
- Output is Correlated to a CO₂ Value Allowing for Easy Integration with Your BMS

Humans respire Volatile Organic Compounds (VOCs) as well as CO₂. The BAPI sensor is able to measure these VOCs and indicate when a space is occupied just as well as a CO₂ sensor.

The advantage of the VOC sensor is that it measures air contaminants from other sources besides respiration, such as building materials, cleaners, perfumes and furniture and carpet off-gassing. So using this sensor for Demand Controlled Ventilation is a way of achieving true indoor air quality, rather than CO₂ dilution.

A further benefit is that it requires no additional work on your part. That's because the sensor converts the VOC reading to a CO₂ equivalent level for easy integration with your BMS.

The unit is available as VOC alone or with temperature measurement and setpoint and occupancy override. The optional display alternates between the measured values. The VOC level is indicated as “Good, Fair or Poor” by LEDs on the front of the unit. The 60mm mounting base fits European style junction boxes.



**BAPI-Stat
“Quantum
Prime” VOC
Sensors**
(image at
right shown
with 60mm
mounting
base)



Specifications

Power: 15 to 24 VAC or 15 to 40 VDC

Power Consumption: 4.8 VA @ 24 VAC or 40 mA @ 24 VDC

VOC Sensor: Micro-machined Metal Oxide, 0 to 10 V Output

Temperature Sensing Elements:

10K-2 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-3 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

10K-4 Thermistor: $\pm 0.2^{\circ}\text{C}$ (0 to 70°C)

1K RTD: $\pm 0.12\%$ at 0°C (385 curve)

Mounting: Drywall mount (screws provided), European junction box or U.S. junction box

VOC Detection Range: 400 to 2,000 CO₂ ppm equivalent

Response Time:

Less Than 60 Sec. (after Start-Up Time)

Operating Environment:

0 to 50°C | 0 to 95%RH non-condensing

Material: ABS Plastic, UL94 V-0

Start-Up Time: 15 minutes

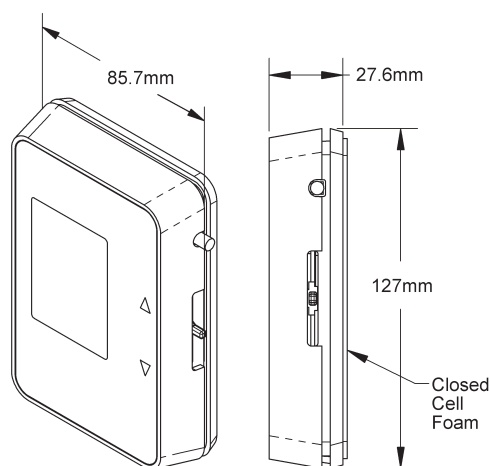
Cover LED VOC/CO₂ Equivalent Level:

Good, Green < 1,000 ppm

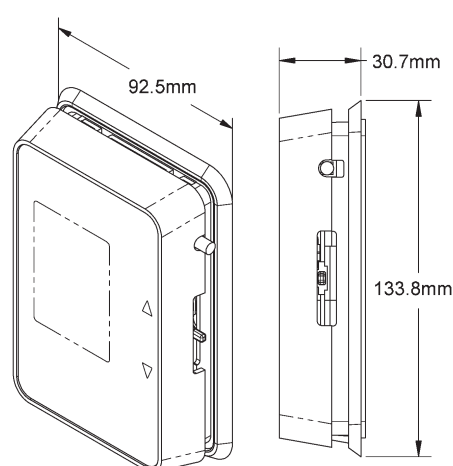
Fair, Yellow = 1,000 to 1,500 ppm

Poor, Red > 1,500 ppm

Agency: RoHS



Unit with Standard Base



Unit with 60mm Base



VOC BAPI-Stat "Quantum Prime" Sensor Ordering

E3

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

UNITS WITH DISPLAY, TEMPERATURE SETPOINT AND OVERRIDE

BA/BQP60C-B-B-B-1-C10-J

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/BQP60C-B-C-B-1-C10-J

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/BQP60C-B-V-B-1-C10-J

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/BQP60C-B-A-B-1-C10-J

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$626

UNITS WITHOUT DISPLAY, SETPOINT OR OVERRIDE

BA/BQP60C-B-B-B-X-X-X

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-2 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/BQP60C-B-C-B-X-X-X

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-3 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/BQP60C-B-V-B-X-X-X

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 10K-4 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/BQP60C-B-A-B-X-X-X

BAPI-Stat "Quantum Prime", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm, 1K Platinum RTD (385 Curve), No Display, No Setpoint, No Override, 60mm Base\$500

Remove the "60" after BQP in the part number for a standard base instead of the 60mm base.





Features & Options

- Available with a CO₂ Equivalent Output (CO₂e) or a Total VOC Output (TVOC)
- Field-Selectable 0 to 5 or 0 to 10 VDC Output

The quality of the air that we breathe is essential to our health and knowing the air quality level is the first step to improving it. BAPI's VOC sensors provide that critical air quality information.

The CO₂ equivalent (CO₂e) units combine the benefits of VOC sensors and the common application of CO₂ sensors into one unit. It provides a VOC reading that correlates to a typical indoor CO₂ level of 400 to 2,000 ppm for easy integration with your BMS.

The total VOC (TVOC) units provide a VOC reading that is the total concentration of all VOCs present in the space within a range of 0 to 2,500 ppb. This is often needed to meet 3rd party building certifications that require separate CO₂ and VOC readings.

A 60mm mounting base is available to fit European style junction boxes.



CO₂e Unit with Standard Mounting Base
(includes cover LEDs)

TVOC Unit with 60mm Mounting Base
(cover LEDs not available for TVOC units.)



Specifications

Power: (Half-wave rectified)
12 to 24 VDC, 35 mA max
18 to 24 VAC, 4 VAmx

CO₂e Unit Detection Range:
400 to 2,000 ppm CO₂ equivalent

TVOC Unit Detection Range:
0 to 2,500 ppb

Sensing Element: Micro-machined metal oxide

Start-Up Time: 15 minutes

Response Time: <60 sec (after start-up time)

Cover LEDs for CO₂e Models (not available on TVOC Models):
Good, Green < 1,000 ppm
Fair, Yellow = 1,000 to 1,500 ppm
Poor, Red > 1,500 ppm

Field Selectable Output:
0 to 5 or 0 to 10 VDC > 4KΩ impedance

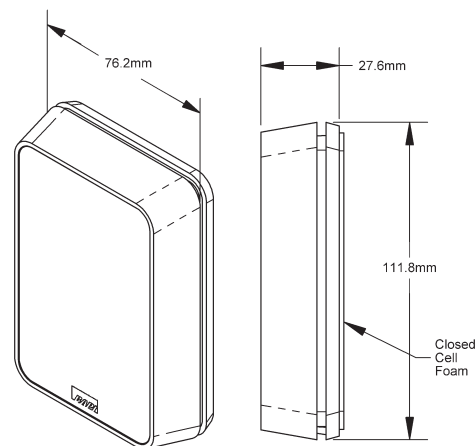
Wiring: 3 wires, 16 to 22 AWG

Operating Environment:
0 to 50°C | 5 to 95%RH non-condensing

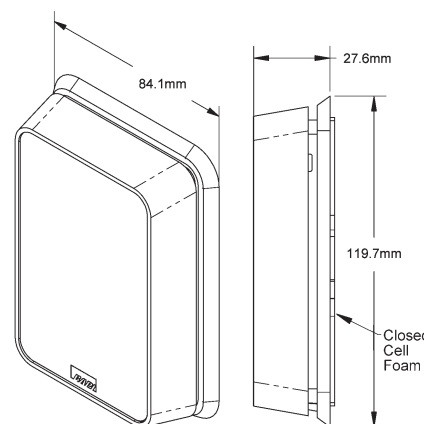
Enclosure Material: ABS plastic, UL94 V-0

Mounting: Drywall mount (screws provided),
European junction box or U.S. junction box

Agency: CE EN 61326-1:2013 EMC, RoHS



Unit with standard Mounting Base



Unit with 60mm Mounting Base



VOC BAPI-Stat "Quantum" Sensor Ordering

E5

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

CO₂ EQUIVALENT OUTPUT (CO₂e)

BA/BQX60-B

BAPI-Stat "Quantum", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm (CO₂e), Cover LEDs, 60mm Mounting Base\$425

BA/BQX-B

BAPI-Stat "Quantum", VOC measurement with 0 to 10 V Output and CO₂ equivalent Range of 0 to 2,000 ppm (CO₂e), Cover LEDs, Standard Mounting Base.....\$425

TOTAL VOC OUTPUT (TVOC)

BA/BQX60-T-B-BNK

BAPI-Stat "Quantum", VOC measurement with 0 to 10 V Output and Total VOC Range of 0 to 2,500 ppb (TVOC), No Cover LEDs, 60mm Mounting Base\$425

BA/BQX-T-B-BNK

BAPI-Stat "Quantum", VOC measurement with 0 to 10 V Output and Total VOC Range of 0 to 2,500 ppb (TVOC), No Cover LEDs, Standard Mounting Base.....\$425





Features & Options

- Available with a CO₂ Equivalent Output (CO₂e) or a Total VOC Output (TVOC)
- Ventilated BAPI-Box for Rough Service Areas and BAPI-Box with Aspiration Tube for Ducts

The quality of the air that we breathe is essential to our health, and knowing the air quality level is the first step to improving it. BAPI's VOC sensors provide that critical air quality information.

The CO₂ equivalent (CO₂e) units combine the benefits of VOC sensors and the common application of CO₂ sensors into one unit. It provides a VOC reading that correlates to a typical indoor CO₂ level of 400 to 2,000 ppm for easy integration with your BMS.

The total VOC (TVOC) units provide a VOC reading that is the total concentration of all VOCs present in the space within a range of 0 to 2,500 ppb. This is often needed to meet 3rd party building certifications that require separate CO₂ and VOC readings.

The Duct unit uses an aspiration tube, while the Rough Service unit uses a ventilated BAPI-Box and is ideal for areas such as outdoor air plenums, equipment rooms, green houses and warehouses.



Duct CO₂e Unit
(includes cover LEDs)



Rough Service TVOC Unit
(cover LEDs not available for TVOC units)

Specifications

Power: (Half-wave rectified)

12 to 24 VDC, 35 mA max

18 to 24 VAC, 4 VAmx

CO₂e Unit Detection Range:

400 to 2,000 ppm CO₂ equivalent

TVOC Unit Detection Range: 0 to 2,500 ppb

Sensing Element: Micro-machined metal oxide

Start-Up Time: 15 minutes

Response Time: <60 sec (after start-up time)

Field Selectable Output:

0 to 5 or 0 to 10 VDC > 10KΩ impedance

Wiring: 3 wires, 16 to 22 AWG

Cover LEDs for CO₂e Models

(not available on TVOC Models):

Good, Green < 1,000 ppm

Fair, Yellow = 1,000 to 1,500 ppm

Poor, Red > 1,500 ppm

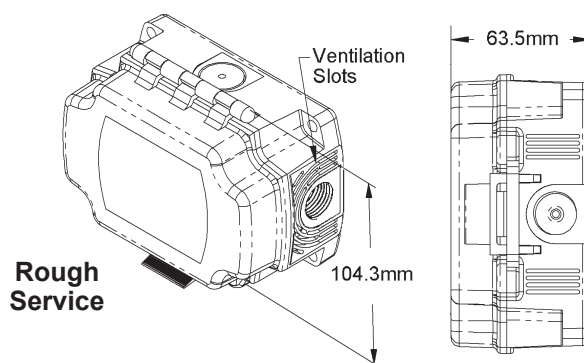
Operating Environment:

0 to 50°C | 5 to 95%RH non-condensing

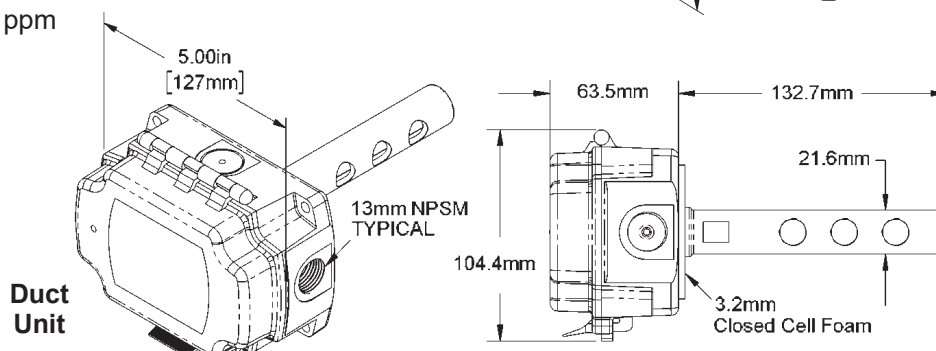
Enclosure Material:

UV-Resistant Polycarbonate, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS



Rough Service



Duct Unit



VOC Duct and Rough Service Sensor Ordering

E7

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

CO₂ EQUIVALENT OUTPUT (CO₂e)

BA/VOC10-D-BB

Duct VOC Sensor, VOC measurement with 0 to 10 V Output and CO₂ equivalent Range
of 0 to 2,000 ppm (CO₂e).....\$487

BA/VOC10-V-BB

Rough Service VOC Sensor, VOC measurement with 0 to 10 V Output and CO₂ equivalent Range
of 0 to 2,000 ppm (CO₂e).....\$555

TOTAL VOC OUTPUT (TVOC)

BA/TVOC10-D-BB-BNK

Duct VOC Sensor, VOC measurement with 0 to 10 V Output
and 0 to 2,500 ppb Range (TVOC)\$487

BA/TVOC10-V-BB-BNK

Rough Service VOC Sensor, VOC measurement with 0 to 10 V Output
and 0 to 2,500 ppb Range (TVOC)\$555





Features & Options

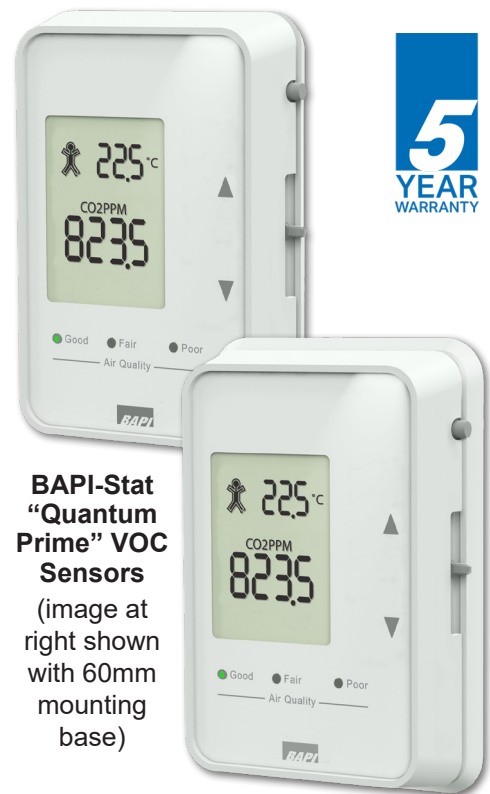
- Automatic Barometric Pressure Compensation for Accurate Readings Regardless of Weather or Altitude
- Optional Temperature, Setpoint, Override and Humidity
- Works in Continuously or Periodically Occupied Areas

The BAPI CO₂ Sensor is an accurate and reliable way of incorporating demand controlled ventilation into a building's HVAC strategy. It measures the CO₂ in ranges of 0 to 2,000 ppm.

This Dual Channel “24/7” unit is a perfect fit for both continuously occupied or periodically occupied areas.

Barometric pressure changes can affect CO₂ sensors, even putting them outside of their specified accuracy. The BAPI unit has a built-in Barometric pressure sensor that continuously compensates the output for accurate readings despite the weather or altitude.

The CO₂ level is indicated by three LEDs on the front of the unit. A 60mm mounting base is available to fit European style junction boxes.



**BAPI-Stat
“Quantum
Prime” VOC
Sensors**
(image at
right shown
with 60mm
mounting
base)

Specifications

Power: 15 to 24 VAC or 15 to 40 VDC

Power Consumption: 4.8 VA @ 24 VAC or 40 mA @ 24 VDC

CO₂ Sensor: Dual Channel Non-Dispersive Infrared (NDIR)
0 to 10 V

CO₂ Accuracy @ 25°C and Sea Level:

<±50 ppm + 3% of measured value

<±75 ppm at 600, 1,000 and 2,500 ppm

CO₂ Drift Stability: ±20 ppm/year

Temperature Sensing Elements:

10K-2 Thermistor: ±0.2°C (0 to 70°C)

10K-3 Thermistor: ±0.2°C (0 to 70°C)

10K-4 Thermistor: ±0.2°C (0 to 70°C)

1K RTD: ±0.12% at 0°C (385 curve)

Mounting: Drywall mount (screws provided), European junction box or U.S. junction box

CO₂ Detection Range: 0 to 2,000 ppm

Response Time:

<2 Minutes for 90% step change typical (after start-up)

Operating Environment:

0 to 50°C | 0 to 95%RH non-condensing

Material: ABS Plastic, UL94 V-0

Start-Up Time: 2 minutes

LED CO₂ Level Indicator:

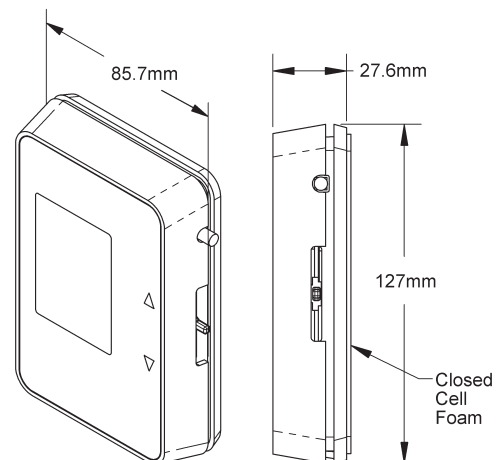
Good, Green < 1,000 ppm

Fair, Yellow = 1,000 to 1,500 ppm

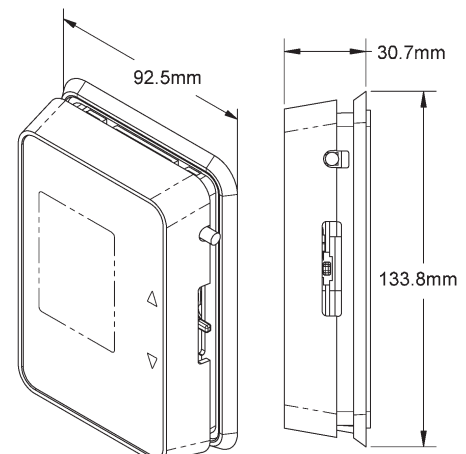
Poor, Red > 1,500 ppm

Agency: RoHS

**Unit with
Standard
Base**



**Unit with
60mm Base**





CO₂ BAPI-Stat "Quantum Prime" Sensor Ordering

E9*Air Quality Sensors*

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number**USD LIST****UNITS WITH DISPLAY, TEMPERATURE SETPOINT AND OVERRIDE****BA/AQP60C-B-B-B-1-C10-J**

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-2 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/AQP60C-B-C-B-1-C10-J

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-3 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/AQP60C-B-V-B-1-C10-J

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-4 Thermistor, 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$619

BA/AQP60C-B-A-B-1-C10-J

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 1K Platinum RTD (385 Curve), 10 to 32°C Setpoint Range with 0 to 10 V Output, ±2%RH Measurement with 0 to 10 V Output, Override as a Separate Output, 60mm Base\$626

UNITS WITHOUT DISPLAY, SETPOINT OR OVERRIDE**BA/AQP60C-B-B-B-X-X-X**

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-2 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/AQP60C-B-C-B-X-X-X

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-3 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/AQP60C-B-V-B-X-X-X

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 10K-4 Thermistor, No Display, No Setpoint, No Override, 60mm Base\$493

BA/AQP60C-B-A-B-X-X-X

BAPI-Stat "Quantum Prime", CO₂ measurement with 0 to 10 V Output, 1K Platinum RTD (385 Curve), No Display, No Setpoint, No Override, 60mm Base\$500

Remove the "60" after BQP in the part number for a standard base instead of the 60mm base.





Features & Options

- Automatic Barometric Pressure Compensation for Accurate Readings Regardless of Weather or Altitude
- Works in Continuously or Periodically Occupied Areas

The BAPI CO₂ Sensor is an accurate and reliable way of incorporating demand controlled ventilation into a building's HVAC strategy. It measures the CO₂ in ranges of 0 to 2,000 ppm with a field selectable output of 0 to 5 or 0 to 10 VDC.

This Dual Channel “24/7” unit is a perfect fit for both continuously occupied or periodically occupied areas.

Barometric pressure changes can affect CO₂ sensors, even putting them outside of their specified accuracy. The BAPI unit has a built-in Barometric pressure sensor that continuously compensates the output for accurate readings despite the weather or altitude.

The CO₂ level is indicated by three LEDs on the front of the unit. A 60mm mounting base is available to fit European style junction boxes.



**BAPI-Stat
“Quantum”
CO₂ Sensors**
(Right unit
shown with
60mm mounting
base)

Specifications

Power:

12 to 24 VDC, 240 mA | 18 to 24 VAC, 12 VA Peak

CO₂ Sensing Element:

Dual Channel Non-Dispersive Infrared (NDIR)

Field Selectable Output:

0 to 5 or 0 to 10 VDC >4KΩ impedance

Termination:

3 Terminals, 16 to 22 AWG

Operating Environment:

0 to 50°C | 0 to 95%RH non-condensing

Enclosure Material:

ABS Plastic, Material Rated UL94 V-0

CO₂ Detection Range: 0 to 2,000 ppm

Start-Up Time: <2 Minutes

Response Time:

<2 Minutes for 90% step change typical (after start-up)

Mounting:

European or U.S. junction boxes or drywall mount

CO₂ Accuracy @ 25°C and Sea Level:

<±(50 ppm + 3% of measured value)

<±75 ppm at 600, 1,000 and 2,500 ppm

CO₂ Drift Stability: ±20 ppm per year

LED CO₂ Level Indicator:

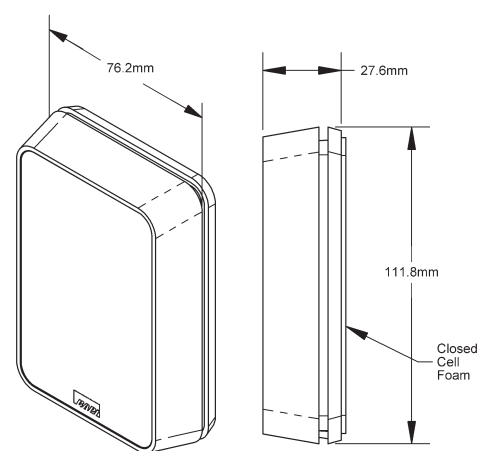
Good, Green < 1,000 ppm

Fair, Yellow = 1,000 to 1,500 ppm

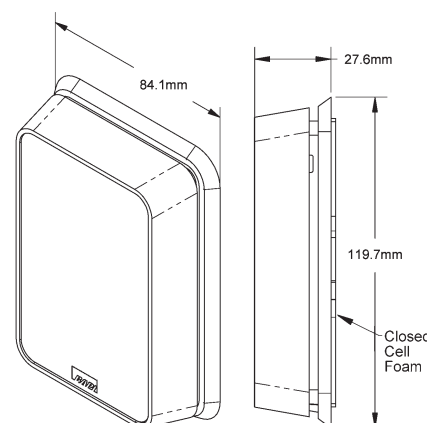
Poor, Red > 1,500 ppm

Agency:

RoHS, CE



Unit with standard Mounting Base



Unit with 60mm Mounting Base



CO₂ BAPI-Stat “Quantum” Sensor Ordering

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

<u>Part Number</u>	<u>USD LIST</u>
BA/AQX60-D BAPI-Stat “Quantum” CO ₂ Sensor, CO ₂ Measurement with 0 to 2,000 ppm Range and 0 to 10 V Output, 60mm Mounting Base.....	\$425
BA/AQX-D BAPI-Stat “Quantum” CO ₂ Sensor, CO ₂ Measurement with 0 to 2,000 ppm Range and 0 to 10 V Output, Standard Mounting Base.....	\$425





Features & Options

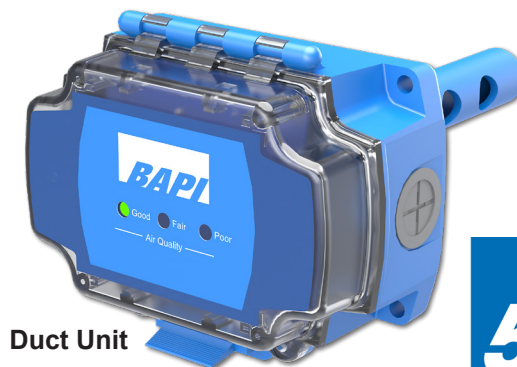
- Automatic Barometric Pressure Compensation for Accurate Readings Regardless of Weather or Altitude
- Works in Continuously or Periodically Occupied Areas

The BAPI CO₂ Duct Sensor is an accurate and reliable way of incorporating demand controlled ventilation. It measures CO₂ in a range of 0 to 2,000 ppm with a field selectable output of 0 to 5 or 0 to 10 VDC.

This Dual Channel “24/7” unit is a perfect fit for both continuously occupied or periodically occupied areas.

Altitude and weather patterns can affect CO₂ sensors, even putting them outside of their specified accuracy. The BAPI unit has a built-in Barometric pressure sensor that continuously compensates the output for accurate readings despite the weather or altitude.

The Duct unit samples air using an aspiration tube. The Rough Service unit features a ventilated BAPI-Box and is ideal for areas such as outdoor air plenums, equipment rooms, green houses and warehouses. Both units have CO₂ level indication by three LEDs on the front of the enclosure.



Duct Unit



Rough Service Unit

Specifications

Power: 12 to 24 VDC, 240 mA | 18 to 24 VAC, 12 VA Peak

CO₂ Sensing Element: Dual Channel Non-Dispersive Infrared (NDIR)

CO₂ Accuracy @ 25°C and Sea Level:

<±(50 ppm + 3% of measured value)

<±75 ppm at 600, 1,000 and 2,500 ppm

CO₂ Drift Stability: ±20 ppm per year

Field Selectable Output:

0 to 5 or 0 to 10 VDC >4KΩ impedance

Termination: 3 Terminals, 16 to 22 AWG

Operating Environment:

0 to 50°C | 0 to 95%RH non-condensing

Unventilated BAPI-Box Rating: NEMA 4, IP66

Enclosure Material: Polycarbonate, UL94 V-0

CO₂ Detection Range: 0 to 2,000 ppm

Start-Up Time: <2 Minutes

Response Time:

<2 Minutes for 90% step change typical (after start-up)

Mounting:

European or U.S. junction boxes or drywall mount

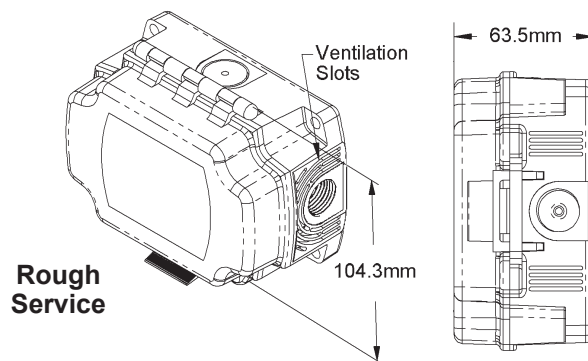
LED CO₂ Level Indicator:

Good, Green < 1,000 ppm

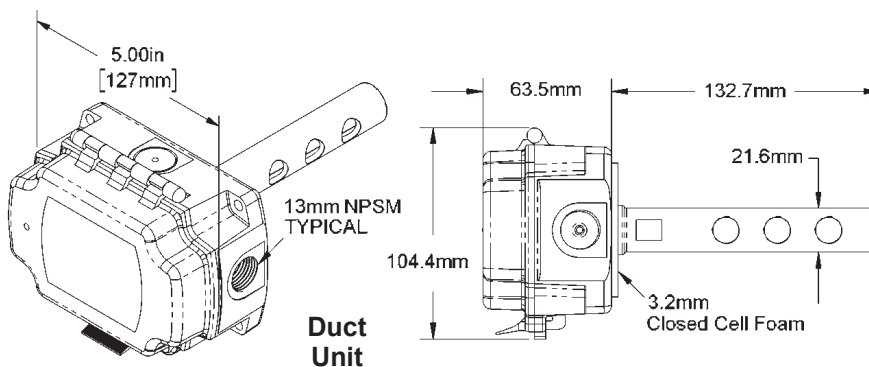
Fair, Yellow = 1,000 to 1,500 ppm

Poor, Red > 1,500 ppm

Agency: RoHS, CE



Rough Service



Duct Unit



CO₂ Duct and Rough Service Sensor Ordering

E13

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BA/DCD10-D-BB

"24/7" Duct CO₂ Sensor, CO₂ Measurement with 0 to 2,000 ppm Range and 0 to 10 V Output\$470

BA/DCD10-V-BB

"24/7" Rough Service CO₂ Sensor, CO₂ Measurement with 0 to 2,000 ppm Range and 0 to 10 V Output ..\$550



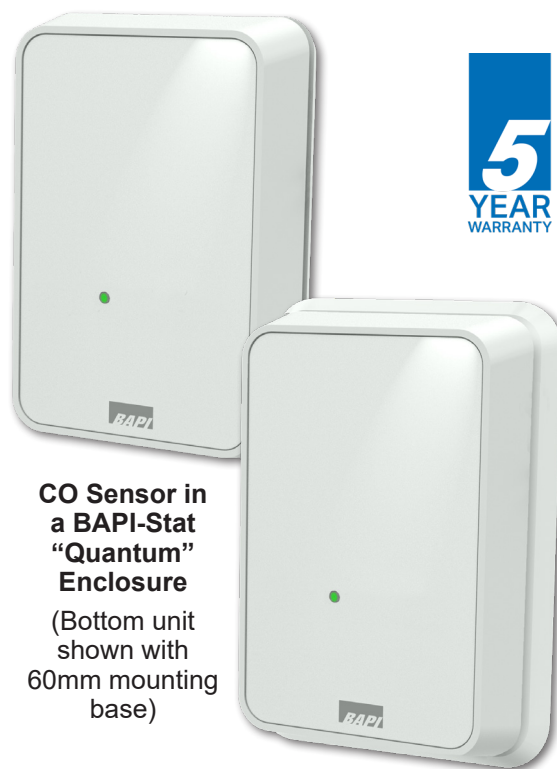


Features & Options

- 0 to 40 ppm CO Measurement Range
- 30 ppm CO Relay Trip Level with Audible Alarm
- Field Selectable 0 to 5V, 0 to 10V or 4 to 20mA Output
- BAPI-Stat “Quantum” with LED Status Indication
- Automatic Barometric Pressure Compensation

The BAPI-Stat “Quantum” Carbon Monoxide Sensor features a modern enclosure style with green/red status LED. It has a 0 to 40 ppm CO measurement range with a 30 ppm relay/audible alarm trip level. The relay is field selectable for normally closed or normally open, and the CO output level is field selectable for 0 to 5V, 0 to 10V or 4 to 20mA.

The green/red LED indicates unit status of normal, alarm, trouble/service or test. The side pushbutton places the unit into test status to verify audible alarm and LED operation. The sensing element has a typical life of 7 years.



5
YEAR
WARRANTY

**CO Sensor in
a BAPI-Stat
“Quantum”
Enclosure**

(Bottom unit
shown with
60mm mounting
base)

Specifications

Power Supply: 24 VAC/VDC $\pm 10\%$, 1.0 VA Max

CO Sensor Technology: Electrochemical

CO Detection Range: 0 to 40 ppm

CO Accuracy: $\pm 3\%$ of Full Scale

Jumper Selectable Analog Output:
or 4 to 20mA, 0 to 5VDC or 0 to 10VDC

Relay Trip Point: 30 ppm

Relay Output:
Form “C”, 0.1A-30VDC, Normally Closed (NC)
and Normally Open (NO) contacts

Audible Alarm: 75 dB at 10 feet

Start-Up Time: <10 Minutes

Response Time: < 5 Min (after Start-Up Time)

Termination: 6 Terminals, 16 to 22 AWG

Environmental Operating Range:
4.4 to 37.8°C | 0 to 95%RH non-condensing

Altimeter: Mechanical

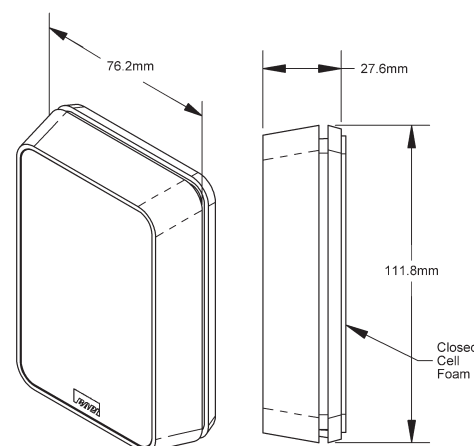
LED Behavior:
Red/Green LED indicates the unit status of Normal, Alarm,
Trouble/Service or Test.

Encl. Material & Rating: ABS Plastic, UL94 V-0

Mounting: Drywall, European or U.S. junction boxes

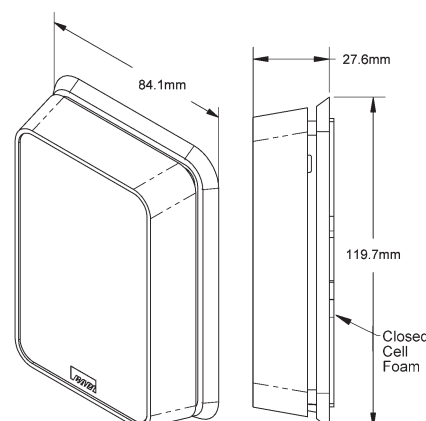
Sensing Element Life: 7 years typical

Agency: RoHS



Unit Dimensions

(bottom unit shown w/ 60mm mounting
base for European junction boxes)





CO BAPI-Stat “Quantum” Sensor Ordering

E15

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BA/DQX

BAPI-Stat “Quantum” Carbon Monoxide (CO), Standard Mounting Base.....\$450

BA/DQX60

BAPI-Stat “Quantum” Carbon Monoxide (CO), 60mm Mounting Base\$450





Features & Options

- Field Replaceable Electrochemical Sensor with Self-Test
- Field Selectable Ranges and Outputs
- Large Display and Two Independent Alarm Contacts
- Certificate of Calibration Included

BAPI's Programmable Carbon Monoxide Sensor offers enhanced electrochemical sensing with outstanding accuracy at low concentrations. The Duct unit samples duct air using an aspiration tube. The Rough Service unit features a ventilated BAPI-Box and is ideal for parking ramps, equipment rooms and warehouses.

The sensor has field selectable CO ranges of 0 to 100, 0 to 200, 0 to 300 and 0 to 500 ppm. It also has field selectable outputs of 0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC and 3-wire 4 to 20 mA output. The large LCD is backlit for 10 seconds after any button push.

Two independent SPDT alarm contacts switch at field selectable CO concentrations of 25, 35, 50, 100 and 200 ppm. An alarm timer can hold the output relays on for one to ten minutes after the CO level has fallen below 80% of setpoint. This allows additional fan run time to be sure that the CO has been purged.



Rough Service (top)
and Duct CO Sensors

5
YEAR
WARRANTY

Specifications

Power:

18 to 28 VAC, 7.2 VA Max or 18 to 40 VDC, 180 mA Max

Field Selectable Ranges:

0 to 100, 0 to 200, 0 to 300 & 0 to 500 ppm

Alarm Relays:

2 Independent, Dry SPDT (Form C)
2 Amps at 24 VAC/DC, Resistive
140 VA Inrush, 48 VA Holding at 24 VAC

Accuracy:

<200 ppm = $\pm 3\%$ FS, 0 to 50°C
201 to 500 ppm = $\pm 5\%$ FS, 0 to 50°C

Environmental Operating Range

-10 to 50°C | 5 to 95%RH Noncondensing

Field Wiring Terminals:

Pluggable Screw Terminals, 14 to 24 AWG

Response Time:

<80 seconds from 10% to 90% of range

Alarm Relay Setpoints:

25, 35, 50, 100 or 200 ppm

Alarm Timer:

0, 1, 5 & 10 minutes

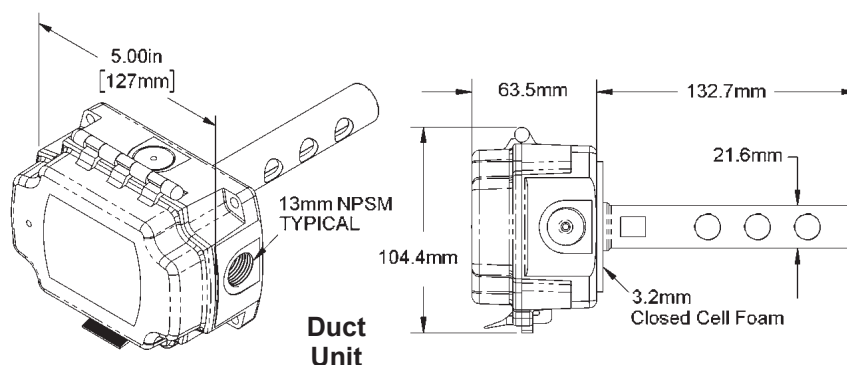
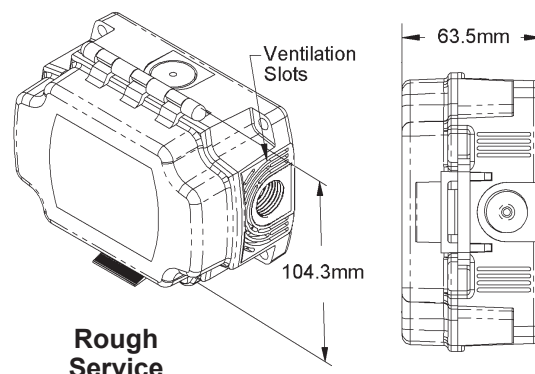
Sensor Element Life:

7 Years Typical

Field Selectable Outputs:

3-wire 4 to 20 mA
0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC

Agency: RoHS, CE





CO Programmable Duct & Rough Service Sensor Ordering

E17

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BA/CO-V-BB

Rough Service Programmable Carbon Monoxide (CO) Sensor.....\$900

BA/CO-D-BB

Duct Mount Programmable Carbon Monoxide (CO) Sensor\$832

BA/COS

Factory Calibrated Replacement CO Module for Programmable Carbon Monoxide (CO) Sensors.....\$250

Replacement Module for Programmable CO Sensors

The Replacement CO Module is factory calibrated so no calibration is needed at installation. It has a sensor life of approximately 7 years which doesn't begin until the module is installed in the sensor.





Features & Options

- Electrochemical Sensor with Self-Test
- Optional %RH Measurement
- Field Selectable 0 to 5 or 0 to 10 VDC Outputs
- Certificate of Calibration Available

BAPI's Carbon Monoxide Rough Service Sensor offers enhanced electrochemical sensing with outstanding accuracy at low concentrations. It features a ventilated BAPI-Box and is ideal for parking structures, equipment rooms and warehouses.

The unit has a CO measurement range of 0 to 500 ppm. It includes optional %RH measurement. The CO and %RH outputs are field selectable for 0 to 5 or 0 to 10 VDC. The unit can be ordered with flying leads or a terminal strip.



CO Rough Service Sensors
(Right unit shown with %RH sensing)



Specifications

Power:

12.5 to 40 VDC, 10 mA Max
or 12.5 to 28 VAC, 1.4 VA Max

CO Measurement Range:

0 to 500 ppm

CO Sensor Accuracy:

<200ppm = $\pm 3\%$ FS, 0 to 50°C

201 to 500 ppm = $\pm 5\%$ FS, 10 to 50°C

Optional %RH Sensor Accuracy:

$\pm 2\%$ RH (20 to 80%) @ 25°C,
Fully Compensated

Response Time:

<80 seconds from 10 to 90% of range

Sensor Element Life:

7 Years Typical

Field Selectable Outputs:

0 to 5 or 0 to 10 VDC

Field Wiring:

Flying Leads (22 AWG) or Terminal Strip

Environmental Operating Range

Continuous:

0 to 50°C | 5 to 95%RH Non-condensing

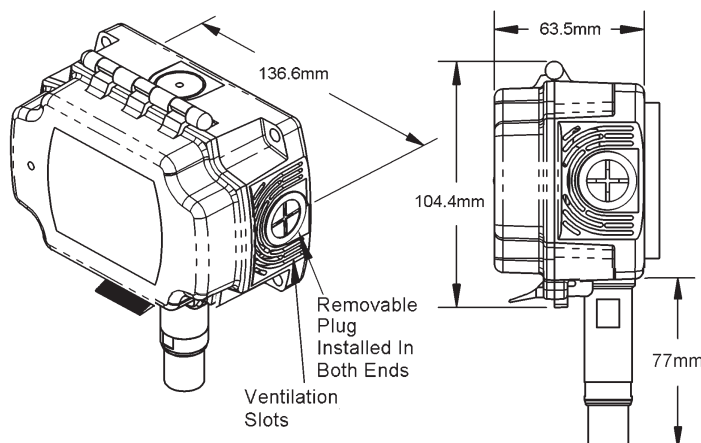
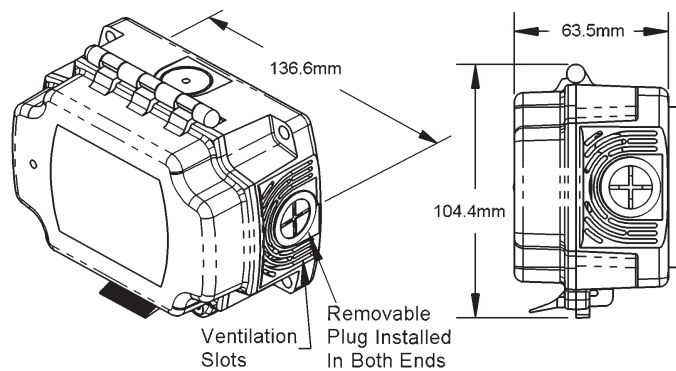
Intermittent:

-40 to 55°C | 5 to 95%RH Non-condensing

BAPI-Box Material:

UV-resistant Polycarbonate, UL94 V-0

Agency: RoHS





CO Rough Service Sensor

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

<u>Part Number</u>	<u>USD LIST</u>
BA/BBV-CORough Service CO Sensor, Flying Leads	\$235
BA/BBV-CO-TSRough Service CO Sensor, Terminal Strip	\$235
BA/BBV-COV-HRough Service CO Sensor with %RH Measurement, Flying Leads	\$336
BA/BBV-COV-H-TSRough Service CO Sensor with %RH Measurement, Terminal Strip	\$336





Features & Options

- Field Replaceable Electrochemical Sensor with Self-Test
- Two Independent Alarm Contacts
- Field Selectable NO₂ Ranges and Outputs
- Certificate of Calibration Included

BAPI's Nitrogen Dioxide Sensor offers enhanced electrochemical sensing with outstanding accuracy at low concentrations. The Duct unit samples duct air using an aspiration tube. The Rough Service unit features a ventilated BAPI-Box and is ideal for parking ramps, equipment rooms and warehouses.

The sensor has field selectable NO₂ ranges of 0 to 2.5, 0 to 5, 0 to 7.5 and 0 to 10 ppm. It also has field selectable outputs of 0 to 5, 1 to 5, 0 to 10 and 2 to 10 VDC as well as a 3-wire 4 to 20 mA output. The LCD is backlight for approximately 10 seconds after a button push.

Two independent SPDT alarm contacts switch at 5 field-selectable NO₂ concentrations from 1 to 10 ppm. An alarm timer holds the output relays on for a fixed time after the NO₂ level has fallen below 80% of setpoint to allow additional fan time to ensure the NO₂ has been purged. The field replaceable sensor element lasts approximately 7 years and is self-tested daily.



Rough Service (top) and Duct NO₂ Sensors



Specifications

Power: 18 to 28 VAC, 7.2 VA Max or 18 to 40 VDC, 180 mA Max

Field Selectable Ranges:

0 to 2.5 ppm | 0 to 5.0 ppm | 0 to 7.5 ppm | 0 to 10.0 ppm

Accuracy: ±5.0% FS

Alarm Relays:

2 Independent, Dry SPDT (Form C)

2 Amps at 24 VAC/DC, Resistive

140 VA Inrush, 48 VA Holding at 24 VAC

Environmental Operating Range:

Continuous: -20 to 40°C | 15 to 90%RH Non-condensing

Intermittent: -30 to 50°C | 10 to 95%RH Non-condensing

Field Wiring Terminals:

Pluggable Screw Terminals, 14 to 22 AWG

Response Time:

<80 seconds from 10% to 90% of range

Alarm Relay Setpoints:

1.0, 2.5, 5.0, 7.5 or 10 ppm

Alarm Timer: 0, 1, 5 & 10 minutes

Field Selectable Analog Outputs:

3-wire 4 to 20 mA

0 to 5 VDC, 1 to 5 VDC

0 to 10 VDC, 2 to 10 VDC

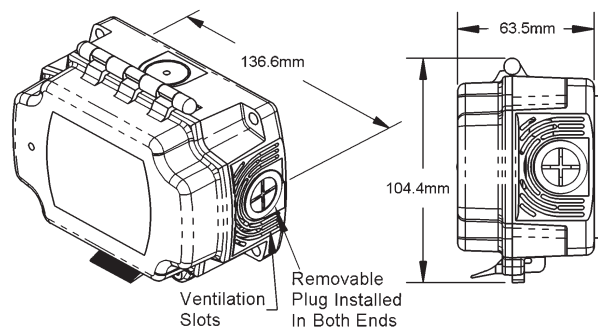
Sensor Element Life:

7 Years Typical

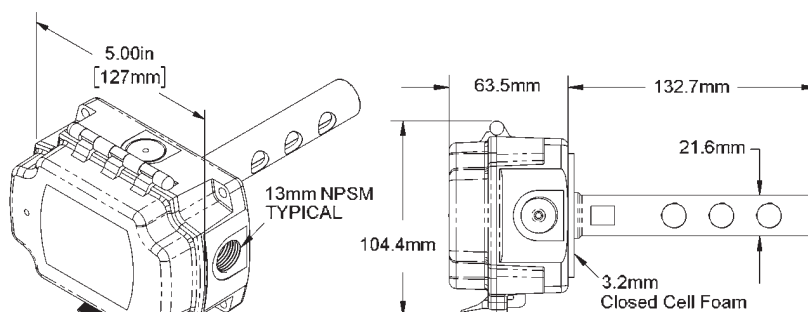
Agency:

RoHS

CE: EN 61326-1:2013 EMC



Rough Service



Duct Unit



NO₂ Programmable Duct & Rough Service Sensor Ordering

E21

Air Quality Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BA/NO2-V-BB

Rough Service Programmable Nitrogen Dioxide (NO₂) Sensor\$1,170

BA/NO2-D-BB

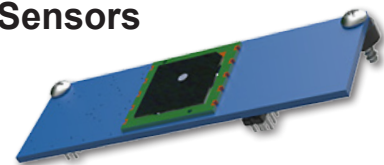
Duct Mount Programmable Nitrogen Dioxide (NO₂) Sensor.....\$1,100

BA/NO2S

Factory Calibrated Replacement NO₂ Module for Programmable Nitrogen Dioxide (NO₂) Sensors\$570

Replacement NO₂ Module for Programmable NO₂ Sensors

The Replacement NO₂ Module is factory calibrated so no calibration is needed at installation. It has a sensor life of approximately 7 years which doesn't begin until the module is installed in the sensor.





Features & Options

- Field Selectable Particulate Size of PM1.0, PM2.5 and PM10
- Field Selectable Outputs of 0 to 5V, 0 to 10V and 4 to 20mA
- Laser-based, light scattering particle sensing with 10 year expected lifetime.

The BAPI-Stat “Quantum” Particulate Sensor is an accurate and reliable way of continuously monitoring the concentration of particles in a room. Laser-based sensors provide the highest accuracy for commercial applications and will measure particle concentrations from 0 to 1,000 $\mu\text{g}/\text{m}^3$. A 60mm mounting base is available to fit European style junction boxes.



**BAPI-Stat “Quantum”
Particulate Sensors**
(Right unit shown with 60mm
mounting base)



Ordering

Part Number

USD LIST

BA/CQX	BAPI-Stat “Quantum” Particulate Sensor, Standard Mounting Base.....	\$475
BA/CQX60	BAPI-Stat “Quantum” Particulate Sensor, 60mm Mounting Base	\$475

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Power: (Half-wave rectified)
7 to 40 VDC (4 to 20mA Output)
7 to 40 VDC or 12 to 28 VAC (0 to 5 VDC Output)
15 to 40 VDC or 15 to 28 VAC (0 to 10 VDC Output)

Power Consumption:
75 mA Max @ 24 VDC | 3 VA Max @ 24 VAC

Load Resistance: VDC Output 4K Ohms Min

Sensing Element: Laser-based, Light Scattering

Sensor Element Life: 10 Years Typical

Concentration Range: 0 to 1,000 $\mu\text{g}/\text{m}^3$

Accuracy at 25°C:

	0 to 100 $\mu\text{g}/\text{m}^3$	100 to 1,000 $\mu\text{g}/\text{m}^3$
PM1.0	$\pm 25 \mu\text{g}/\text{m}^3$	$\pm 25\%$ of reading
PM2.5	$\pm 15 \mu\text{g}/\text{m}^3$	$\pm 15\%$ of reading
PM10	$\pm 25 \mu\text{g}/\text{m}^3$	$\pm 25\%$ of reading

Response Time: <6 Seconds

Wiring: 3 Wires, 16 to 22 AWG

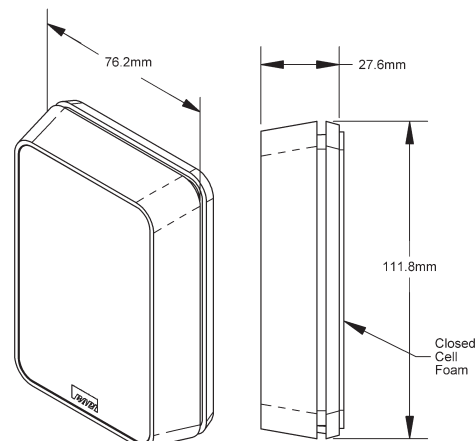
Environmental Operating Range:
-20 to 70°C | 0 to 95%RH Non-condensing

Enclosure Material: ABS Plastic, UL94 V-0

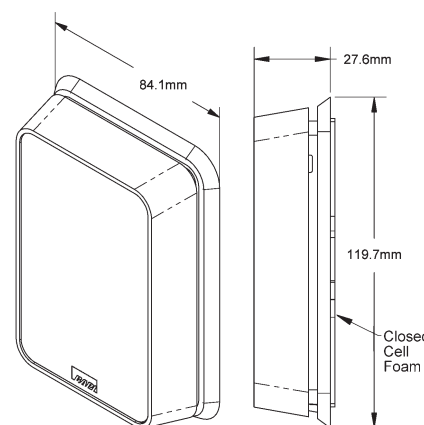
Mounting:

Drywall mount (screws provided), European junction box or U.S. junction box

Agency: CE EN 61326-1:2013 EMC, RoHS



Standard Mounting Base



60mm Mounting Base



Particulate Duct Sensor

Air Quality Sensors



E23

Rev. 04/15/26

Features & Options

- Field Selectable Particulate Size of PM1.0, PM2.5 and PM10
- Field Selectable Outputs of 0 to 5V, 0 to 10V and 4 to 20mA
- Laser-based, light scattering particle sensing with 10 year expected lifetime.

The Duct Particulate Sensor is an accurate and reliable way of continuously monitoring the concentration of particles in a duct. The duct unit samples duct air using an aspiration tube.

Laser-based sensors provide the highest accuracy for commercial applications and will measure particle concentrations from 0 to 1,000 $\mu\text{g}/\text{m}^3$.



Duct Particulate Sensor



Ordering

Part Number

USD LIST

BA/PM-D-BB Particulate Duct Sensor, Standard Mounting Base \$750

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Power: (Half-wave rectified)
7 to 40 VDC (4 to 20mA Output)
7 to 40 VDC or 12 to 28 VAC (0 to 5 VDC Output)
15 to 40 VDC or 15 to 28 VAC (0 to 10 VDC Output)

Power Consumption:
75 mA Max @ 24 VDC | 3 VA Max @ 24 VAC

Load Resistance: VDC Output 4K Ohms Min

Sensing Element: Laser-based, Light Scattering

Sensor Element Life: 10 Years Typical

Concentration Range: 0 to 1,000 $\mu\text{g}/\text{m}^3$

Accuracy at 77°F ±9°F (25°C ±5°C):

	0 to 100 $\mu\text{g}/\text{m}^3$	100 to 1,000 $\mu\text{g}/\text{m}^3$
PM1.0	±25 $\mu\text{g}/\text{m}^3$	±25% of reading
PM2.5	±15 $\mu\text{g}/\text{m}^3$	±15% of reading
PM10	±25 $\mu\text{g}/\text{m}^3$	±25% of reading

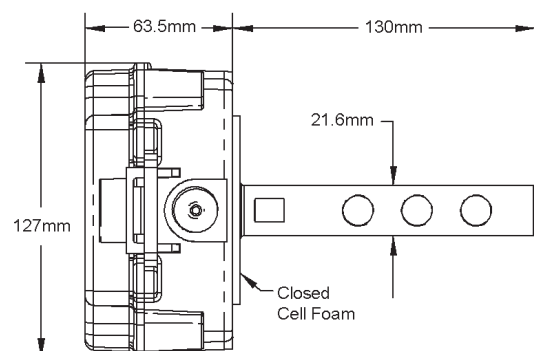
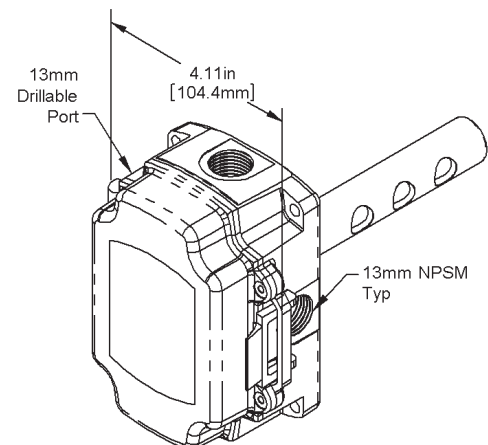
Response Time: <6 Seconds

Wiring: 3 Wires, 16 to 22 AWG

Environmental Operating Range:
-20 to 70°C | 0 to 95%RH Non-condensing

Enclosure Material:
UV-resistant Polycarbonate, UL94 V-0

Agency: CE EN 61326-1:2013 EMC, RoHS



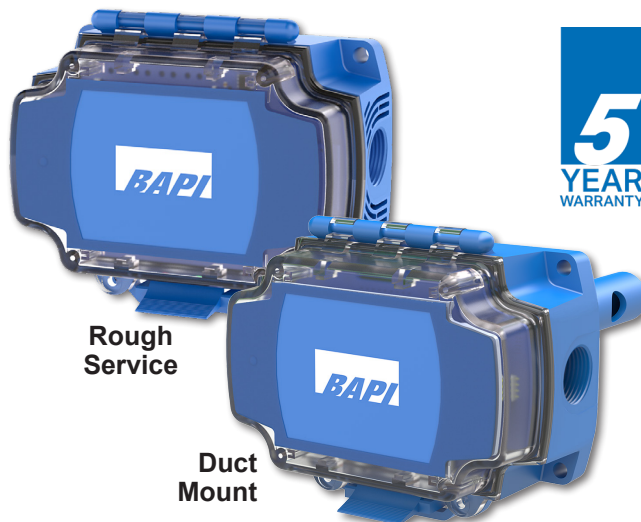


Features & Options

- Detects Most Modern Refrigerants
- Area Monitoring for Leaks and Spills
- Provides a Voltage Output
- Rough Service or Duct Models

The BAPI Duct and Rough Service Refrigerant Leak Detectors sense a wide range of refrigerants. The sensor is temperature compensated for improved detection of leaks and spills. The output voltage increases as the concentration of the refrigerant increases in the space.

These units are not intended for critical ppm measurements nor life safety applications.



Ordering

Part Number

USD LIST

BA/RLD	Rough Service Refrigerant Leak Detector in a Blue BAPI-Box Encl.....	\$465
BA/RLD-W	Rough Service Refrigerant Leak Detector in a White BAPI-Box Encl.....	\$465
BA/RLD-D-BB	Duct Refrigerant Leak Detector in a Blue BAPI-Box Enclosure.....	\$395
BA/RLD-W-D-BB	Duct Refrigerant Leak Detector in a White BAPI-Box Enclosure.....	\$395
BA/RLD-EL	Replacement Element for Refrigerant Leak Detectors	\$60

Gray shaded items follow the Buy and Resale Multiplier.

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Power:

9 to 40 VDC at 120 mA max
19 to 32 VAC at 5 VA

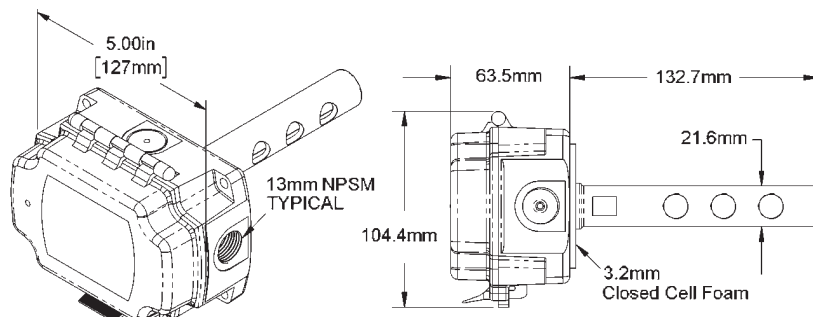
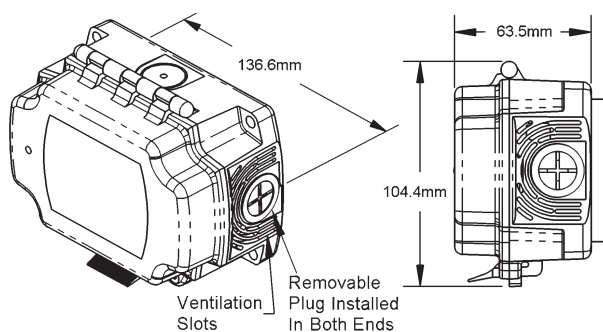
Output Impedance: 680 Ohms

Output Voltage: 0 to 4.8 VDC

Ambient Temp: 0 to 60°C

Sensor Element Life: 2 Years Typical

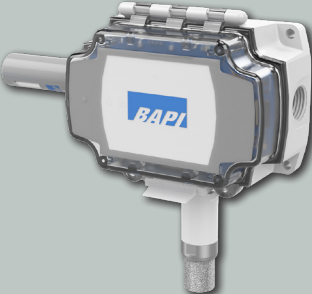
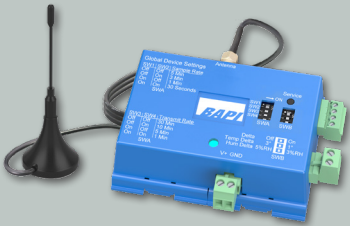
Agency: RoHS, CE EN 61326-1:2013 EMC



Refrigerants Detected by the Sensor

Single Compound	Blends	
R-22 (A1)	R-404a (A1)	R-452a (A1)
R-32 (A2L)	R-407c (A1)	R-452b (A2L)
R-125 (A1)	R-407f (A1)	R-454a (A2L)
R-134a (A1)	R-410a (A1)	R-454b (A2L)
R-1234yf (A2L)	R-424a (A1)	R-454c (A2L)
R-1234ze (A2L)	R-434a (A1)	R-455a (A2L)
	R-447a (A2L)	R-466a (A1)
	R-448a (A1)	R-507 (A1)
	R-449a (A1)	R-513a (A1)
	R-450a (A1)	

Note: For a more complete list of detectable refrigerants, go to Resources on BAPI's website and view the Application Note "Refrigerants detected by the BAPI Refrigerant Leak Detector".

Wireless Sensors		
BAPI-Stat “Quantum” Temperature or Temp/ Humidity 	Duct Temp or Temp/Humidity 	
pg F2-5	pg F6-9	
Immersion Temperature 	Remote Probe Temperature 	
pg F10	pg F12	
Outside Air Temperature or Temperature and Humidity 	Thermobuffer Temperature Sensor 	
pg F14-17	pg F18	
BAPI-Stat “Quantum Slim” Temperature or Temp/ Humidity 	Food Probe Sensor 	Receiver 
pg F20-23	pg F24	pg F26
Digital Output Modules BACnet IP BACnet MS/TP Modbus RTU 	Analog Output Modules Thermistor Resistance or Voltage Output 	Replacement Batteries  Pluggable Terminal Blocks Kit 
pg F27-28	pg F29-33	pg F34





Features & Options

- Optional temperature setpoint and override
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

The BAPI-Stat "Quantum" Wireless Sensor measures the room temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. It is available with optional temperature setpoint and occupancy override.

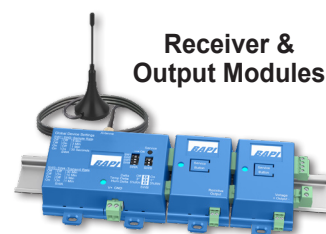


Units w/ optional Setpoint & Override
(Right image shown with optional 60mm mounting base)

5
YEAR
WARRANTY

ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries
(Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy:

$\pm 0.95^{\circ}\text{C}$ from 0 to 70°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

-20 to 65°C | 10 to 90%RH non-condensing

Enclosure Material & Rating: ABS Plastic, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

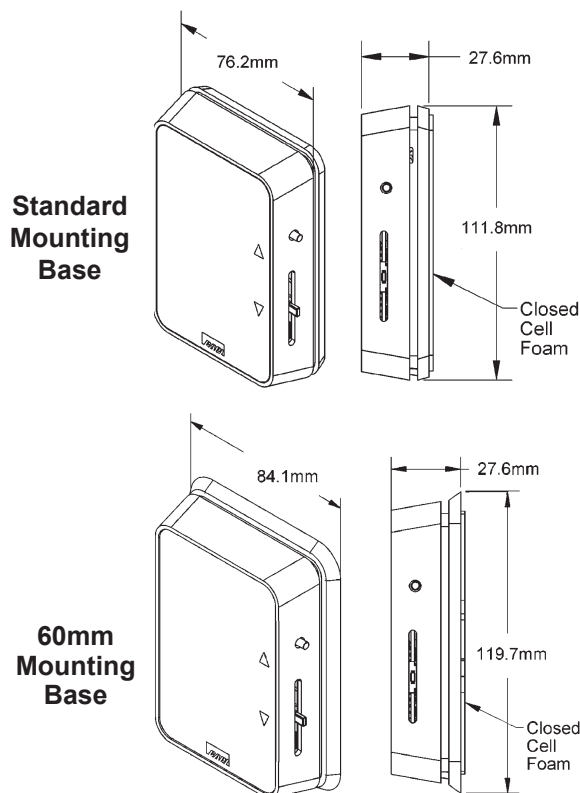
Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency:

RoHS | Contains FCC ID: QOQGM210P |

IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Stat "Quantum" Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.89
3 min	1 min	3.83
5 min	5 min	7.08
10 min	5 min	8.93



BAPI-Stat "Quantum" Temperature Sensor Ordering

Wireless Sensors

F3

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS WITH STANDARD MOUNTING BASE

BA/WT-BLE-Q-BAT	BAPI-Stat "Quantum" Temp Sensor, Battery Power.....	\$215
BA/WT-BLE-Q-S-BAT	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Battery Power	\$221
BA/WT-BLE-Q-SO-BAT	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Override, Battery Power	\$226

WIRE POWER UNITS WITH STANDARD MOUNTING BASE

BA/WT-BLE-Q-PWR	BAPI-Stat "Quantum" Temp Sensor, Wire Power.....	\$215
BA/WT-BLE-Q-S-PWR	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Wire Power	\$221
BA/WT-BLE-Q-SO-PWR ...	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Override, Wire Power.....	\$226

BATTERY POWER UNITS WITH 60MM MOUNTING BASE

BA/WT-BLE-Q60-BAT	BAPI-Stat "Quantum" Temp Sensor, Battery Power, 60mm Base	\$215
BA/WT-BLE-Q60-S-BAT	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Battery Power, 60mm Base	\$221
BA/WT-BLE-Q60-SO-BAT	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Override, Battery Power, 60mm Base	\$226

WIRE POWER UNITS WITH 60MM MOUNTING BASE

BA/WT-BLE-Q60-PWR	BAPI-Stat "Quantum" Temp Sensor, Wire Power, 60mm Base	\$215
BA/WT-BLE-Q60-S-PWR	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Wire Power, 60mm Base	\$221
BA/WT-BLE-Q60-SO-PWR	BAPI-Stat "Quantum" Temp Sensor, Setpoint, Override, Wire Power, 60mm Base	\$226
BA/LI14505	3.6V Lithium Replacement Battery.....	\$3 (net price)



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- Optional temperature setpoint and override
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

The BAPI-Stat "Quantum" Wireless Sensor measures the room temperature and humidity and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. It is available with optional temperature setpoint and occupancy override.

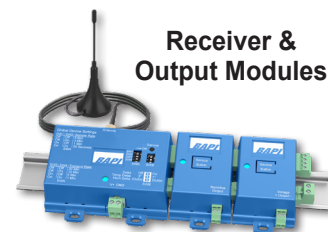


Units w/ optional Setpoint & Override
(Right image shown with optional 60mm mounting base)

5
YEAR
WARRANTY

ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy:

Temperature: $\pm 0.95^{\circ}\text{C}$ from 0 to 70°C

Humidity: $\pm 2\%\text{RH}$ @ 25°C , 20 to 80%RH

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

-20 to 65°C | 10 to 90%RH non-condensing

Enclosure Material & Rating: ABS Plastic, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

Delta T (Humidity): $0.1\%\text{RH}$ to $5.0\%\text{RH}$

Transmit Interval: 1 min to 30 min

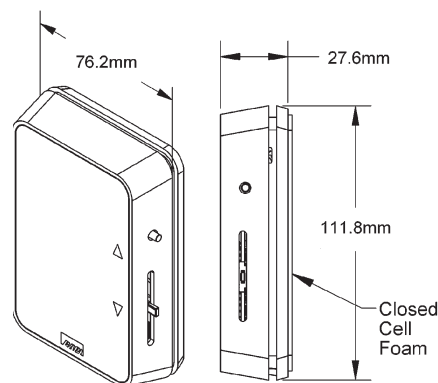
Sample Interval: 30 sec to 5 min

Agency:

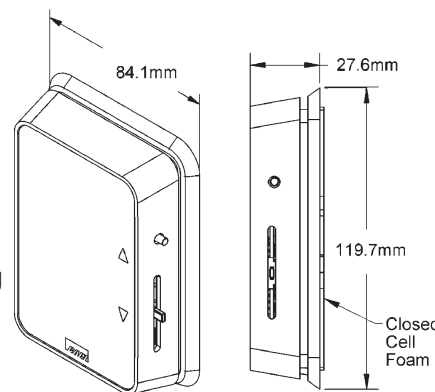
RoHS | Contains FCC ID: QOQGM210P |

IC: 5123A-GM210P

Standard
Mounting
Base



60mm
Mounting
Base



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Stat "Quantum" Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.89
3 min	1 min	3.83
5 min	5 min	7.08
10 min	5 min	8.93



BAPI-Stat "Quantum" Temp/Humidity Sensor Ordering

Wireless Sensors

F5

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS WITH STANDARD MOUNTING BASE

BA/WTH-BLE-Q-BAT..... BAPI-Stat "Quantum" Temp/Humidity Sensor, Battery Power\$300

BA/WTH-BLE-Q-S-BAT... BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Battery Power\$306

BA/WTH-BLE-Q-SO-BAT

BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Override, Battery Power\$311

WIRE POWER UNITS WITH STANDARD MOUNTING BASE

BA/WTH-BLE-Q-PWR BAPI-Stat "Quantum" Temp/Humidity Sensor, Wire Power\$300

BA/WTH-BLE-Q-S-PWR.. BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Wire Power\$306

BA/WTH-BLE-Q-SO-PWR

BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Override, Wire Power\$311

BATTERY POWER UNITS WITH 60MM MOUNTING BASE

BA/WTH-BLE-Q60-BAT

BAPI-Stat "Quantum" Temp/Humidity Sensor, Battery Power, 60mm Base\$300

BA/WTH-BLE-Q60-S-BAT

BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Battery Power, 60mm Base.....\$306

BA/WTH-BLE-Q60-SO-BAT

BAPI-Stat "Quantum" Temp/Hum Sensor, Setpoint, Override, Battery Power, 60mm Base.....\$311

WIRE POWER UNITS WITH 60MM MOUNTING BASE

BA/WTH-BLE-Q60-PWR

BAPI-Stat "Quantum" Temp/Humidity Sensor, Wire Power, 60mm Base\$300

BA/WTH-BLE-Q60-S-PWR

BAPI-Stat "Quantum" Temp/Humidity Sensor, Setpoint, Wire Power, 60mm Base.....\$306

BA/WTH-BLE-Q60-SO-PWR

BAPI-Stat "Quantum" Temp/Hum Sensor, Setpoint, Override, Wire Power, 60mm Base\$311

BA/LI145053.6V Lithium Replacement Battery..... \$3 (net price)



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- Rugged IP66/NEMA 4 enclosure with probe lengths from 100 to 450mm)
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Duct Wireless Sensor measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS.

This unit features a rugged IP66-rated BAPI-Box enclosure and 6.4mm stainless steel probe with probe lengths from 100 to 450mm.

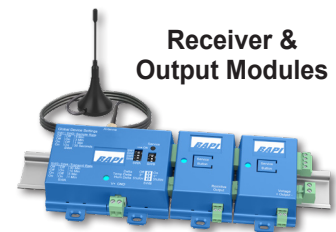


Wireless Duct Temperature Sensor



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Receiver & Output Modules

Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy: $\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Enclosure Rating, Material & Material Rating:

IP66, UV-Resistant Polycarbonate, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

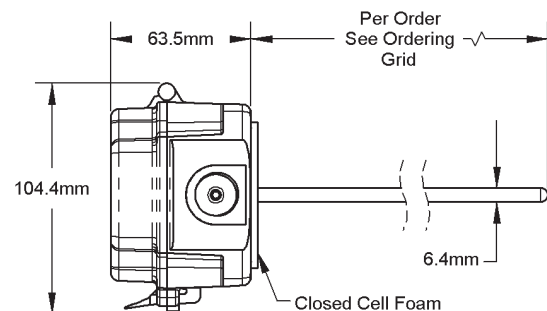
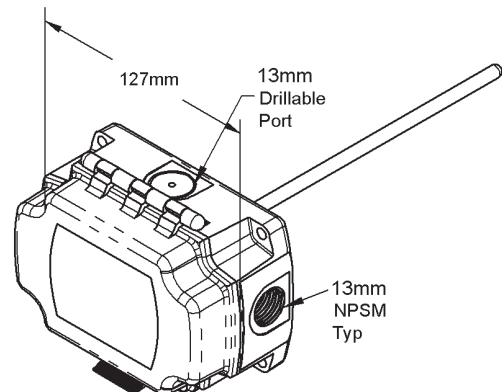
User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency: RoHS | Contains FCC ID: QQQGM210P | IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02



Duct Temperature Sensor Ordering

F7

Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS

BA/WT-BLE-D-4-BB-BAT

Wireless Duct Temp Sensor, 100mm Probe Length, Battery Power\$335

BA/WT-BLE-D-8-BB-BAT

Wireless Duct Temp Sensor, 200mm Probe Length, Battery Power\$335

BA/WT-BLE-D-12-BB-BAT

Wireless Duct Temp Sensor, 300mm Probe Length, Battery Power\$335

BA/WT-BLE-D-18-BB-BAT

Wireless Duct Temp Sensor, 450mm Probe Length, Battery Power\$335

WIRE POWER UNITS

BA/WT-BLE-D-4-BB-PWR

Wireless Duct Temp Sensor, 100mm Probe Length, Wire Power\$335

BA/WT-BLE-D-8-BB-PWR

Wireless Duct Temp Sensor, 200mm Probe Length, Wire Power\$335

BA/WT-BLE-D-12-BB-PWR

Wireless Duct Temp Sensor, 300mm Probe Length, Wire Power\$335

BA/WT-BLE-D-18-BB-PWR

Wireless Duct Temp Sensor, 450mm Probe Length, Wire Power\$335

BA/LI14505 3.6V Lithium Replacement Battery..... \$3 (net price)



Custom probe lengths are available. Call BAPI for more information.

Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- Rugged IP66/NEMA 4 enclosure
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Duct Wireless Sensor measures the temperature and humidity transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS.

This unit features a rugged IP66-rated BAPI-Box enclosure and replaceable stainless steel filter.

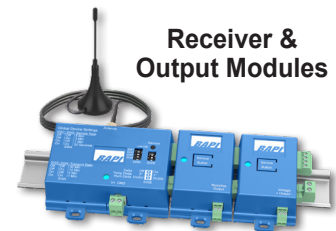


Wireless Duct Temperature and Humidity Sensor



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Receiver & Output Modules

Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Sensor Accuracy:

Temp: $\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Humidity: $\pm 2\%\text{RH}$ @ 25°C , 20 to $80\%\text{RH}$

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to $90\%\text{RH}$, non-condensing

Enclosure Rating, Material & Material Rating:

IP66, UV-Resistant Polycarbonate, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

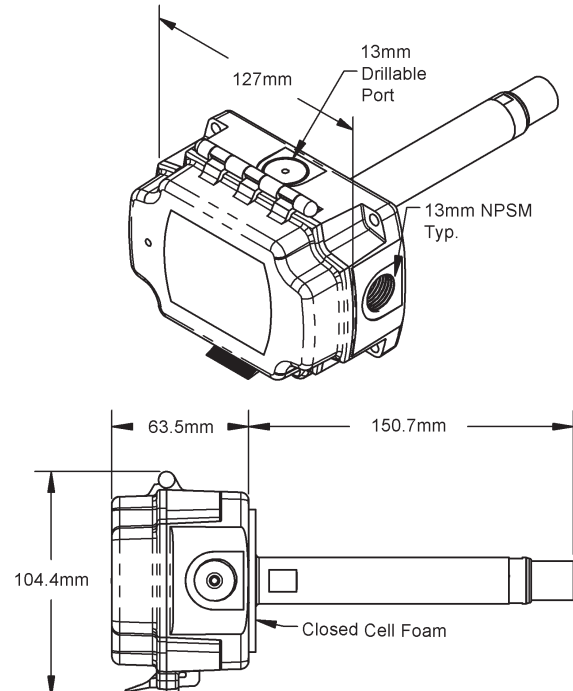
Delta T (Temp): 0.1°F/C to 5.0°F/C

Delta T (Humidity): $0.1\%\text{RH}$ to $5.0\%\text{RH}$

Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency: RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02

*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.



Duct Temp/Humidity Sensor Ordering

F9

Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS

BA/WTH-BLE-D-BB-BAT

Wireless Duct Temperature & Humidity Sensor, Battery Power\$406

WIRE POWER UNITS

BA/WTH-BLE-D-BB-PWR

Wireless Duct Temperature & Humidity Sensor, Wire Power\$406

BA/LI14505 3.6V Lithium Replacement Battery..... \$3 (net price)



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>



A Global Company - Web: www.bapihvac.com | Customer Support: customerservice@bapisensors.com



Features & Options

- Rugged IP66/NEMA 4 enclosure with probe lengths from 50 to 200mm
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Immersion Wireless Sensor measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS.

This unit features a rugged IP66-rated BAPI-Box enclosure and stainless steel 6.4mm probe with standard probe lengths from 50 to 200mm to fit our standard thermowell lengths.

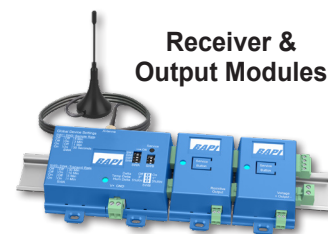


Wireless Immersion Temperature Sensor



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy:

$\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Enclosure Rating, Material & Material Rating:

IP66, UV-Resistant Polycarbonate, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

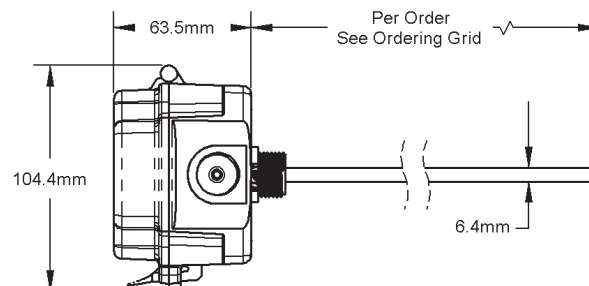
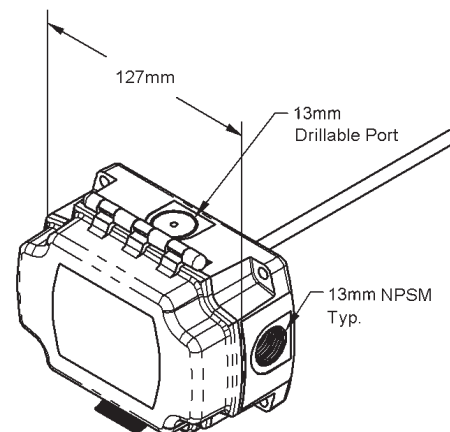
User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency: RoHS | Contains FCC ID: QOQGM210P |
IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02





Immersion Temperature Sensor Ordering

F11

Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS

BA/WT-BLE-I-2-BB-BAT

Wireless Immersion Temp Sensor, 50mm Probe Length, Battery Power\$335

BA/WT-BLE-I-4-BB-BAT

Wireless Immersion Temp Sensor, 100mm Probe Length, Battery Power\$335

BA/WT-BLE-I-8-BB-BAT

Wireless Immersion Temp Sensor, 200mm Probe Length, Battery Power\$335

WIRE POWER UNITS

BA/WT-BLE-I-2-BB-PWR

Wireless Immersion Temp Sensor, 50mm Probe Length, Wire Power.....\$335

BA/WT-BLE-I-4-BB-PWR

Wireless Immersion Temp Sensor, 100mm Probe Length, Wire Power.....\$335

BA/WT-BLE-I-8-BB-PWR

Wireless Immersion Temp Sensor, 200mm Probe Length, Wire Power.....\$335

BA/LI145053.6V Lithium Replacement Battery..... \$3 (net price)

Custom probe lengths are available. Call BAPI for more information.



Thermowells

Immersion Unit Probes are designed to be inserted into a Thermowell and BAPI offers stainless steel thermowells in matching lengths to the immersion sensors. For more info, see the BAPI website or contact your BAPI representative.



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

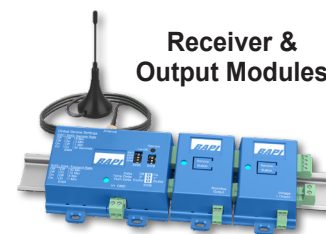
- Rugged IP66/NEMA 4 enclosure with multiple cable lengths
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Remote Probe Sensor measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. It features a 44mm long SS probe with plenum-rated or FEP-jacketed cable in lengths from 1.5 to 7.6 meters.



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy:

$\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Encl. Rating & Material: IP66, UV-Resistant Polycarb., UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

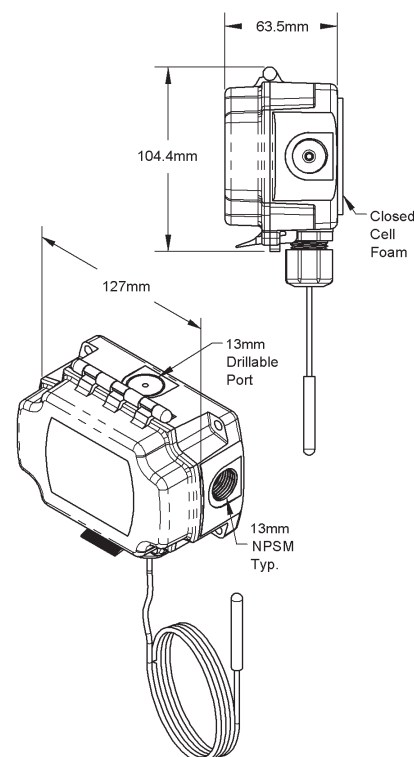
Delta T (Temp): $0.1^{\circ}\text{F}/^{\circ}\text{C}$ to $5.0^{\circ}\text{F}/^{\circ}\text{C}$

Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency:

RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02



Remote Probe Temperature Sensor Ordering

F13**Wireless Sensors**Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****BATTERY POWER UNITS****BA/WT-BLE-RPP-5-BB-BAT**

Wireless Remote Sensor w/ Plenum-Rated Cable, 1.5m Length, Battery Power.....\$347

BA/WT-BLE-RPP-10-BB-BAT

Wireless Remote Sensor w/ Plenum-Rated Cable, 3.0m Length, Battery Power.....\$349

BA/WT-BLE-RPP-15-BB-BAT

Wireless Remote Sensor w/ Plenum-Rated Cable, 4.6m Length, Battery Power.....\$351

BA/WT-BLE-RPP-20-BB-BAT

Wireless Remote Sensor w/ Plenum-Rated Cable, 6.1m Length, Battery Power.....\$353

BA/WT-BLE-RPP-25-BB-BAT

Wireless Remote Sensor w/ Plenum-Rated Cable, 7.6m Length, Battery Power.....\$355

BA/WT-BLE-RPFEP-5-BB-BAT

Wireless Remote Sensor w/ FEP-Jacketed Cable, 1.5m Length, Battery Power.....\$350

BA/WT-BLE-RPFEP-10-BB-BAT

Wireless Remote Sensor w/ FEP-Jacketed Cable, 3.0m Length, Battery Power.....\$355

BA/WT-BLE-RPFEP-15-BB-BAT

Wireless Remote Sensor w/ FEP-Jacketed Cable, 4.6m Length, Battery Power.....\$360

BA/WT-BLE-RPFEP-20-BB-BAT

Wireless Remote Sensor w/ FEP-Jacketed Cable, 6.1m Length, Battery Power.....\$365

BA/WT-BLE-RPFEP-25-BB-BAT

Wireless Remote Sensor w/ FEP-Jacketed Cable, 7.6m Length, Battery Power.....\$370

WIRE POWER UNITS**BA/WT-BLE-RPP-5-BB-PWR**

Wireless Remote Sensor w/ Plenum-Rated Cable, 1.5m Length, Wire Power.....\$347

BA/WT-BLE-RPP-10-BB-PWR

Wireless Remote Sensor w/ Plenum-Rated Cable, 3.0m Length, Wire Power.....\$349

BA/WT-BLE-RPP-15-BB-PWR

Wireless Remote Sensor w/ Plenum-Rated Cable, 4.6m Length, Wire Power.....\$351

BA/WT-BLE-RPP-20-BB-PWR

Wireless Remote Sensor w/ Plenum-Rated Cable, 6.1m Length, Wire Power.....\$353

BA/WT-BLE-RPP-25-BB-PWR

Wireless Remote Sensor w/ Plenum-Rated Cable, 7.6m Length, Wire Power.....\$355

BA/WT-BLE-RPFEP-5-BB-PWR

Wireless Remote Sensor w/ FEP-Jacketed Cable, 1.5m Length, Wire Power.....\$350

BA/WT-BLE-RPFEP-10-BB-PWR

Wireless Remote Sensor w/ FEP-Jacketed Cable, 3.0m Length, Wire Power.....\$355

BA/WT-BLE-RPFEP-15-BB-PWR

Wireless Remote Sensor w/ FEP-Jacketed Cable, 4.6m Length, Wire Power.....\$360

BA/WT-BLE-RPFEP-20-BB-PWR

Wireless Remote Sensor w/ FEP-Jacketed Cable, 6.1m Length, Wire Power.....\$365

BA/WT-BLE-RPFEP-25-BB-PWR

Wireless Remote Sensor w/ FEP-Jacketed Cable, 7.6m Length, Wire Power.....\$37

BA/LI145053.6V Lithium Replacement Battery..... \$3 (net price)



Features & Options

- Included Barometric pressure sensor and optional light level sensor
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Outside Air Wireless Sensor measures environmental values and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. This unit features a rugged IP66-rated BAPI-Box enclosure with a UV-resistant plastic shield. It is available with optional light level sensing.



Wireless Outside Air Temp Sensor with Light Level Sensor

Wireless Outside Air Temp Sensor

Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Sensor Accuracy:

Temp: $\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Barometric Pressure: ± 2 mbar @ 25°C ($0.40''\text{H}_2\text{O}$)

Light Level: 10 Lux + 10% of reading.

Temperature Range: -20 to 105°C

Light Level Sensing Range: 0 to 64,000 lux

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Enclosure Rating, Material & Material Rating:

IP66, UV-Resistant Polycarbonate, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

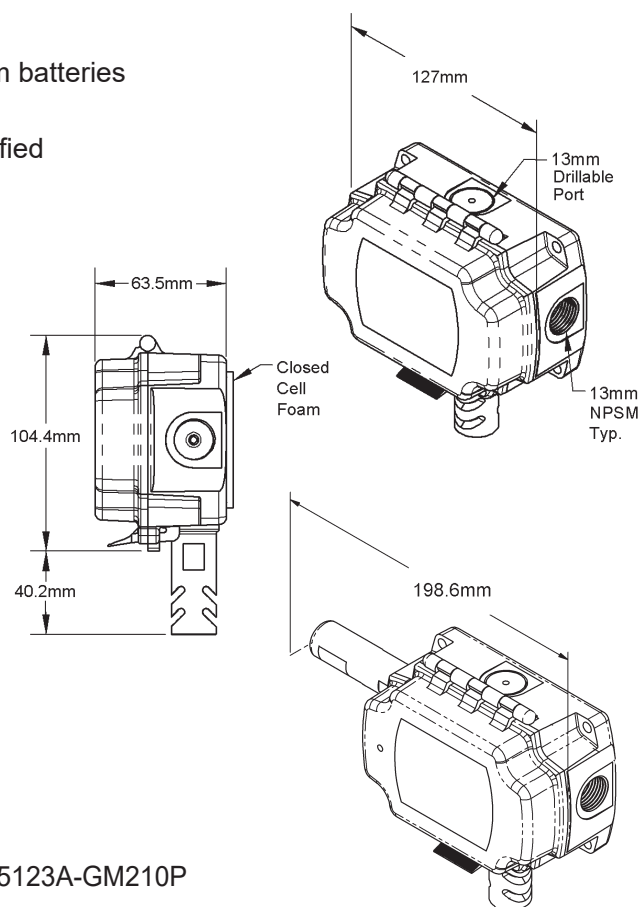
Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency: RoHS | Contains FCC ID: QQQGM210P | IC: 5123A-GM210P

*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.



BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02



Outside Air Temperature Sensor Ordering

F15

Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS

BA/WT-BLE-O-BB-BAT

Wireless Outside Air Temp and Barometric Pressure Sensor, Battery Power\$335

BA/WT-BLE-LL-O-BB-BAT

Wireless Outside Air Temp, Light Level and Barometric Pressure Sensor, Battery Power.....\$370

WIRE POWER UNITS

BA/WT-BLE-O-BB-PWR

Wireless Outside Air Temp and Barometric Pressure Sensor, Wire Power\$335

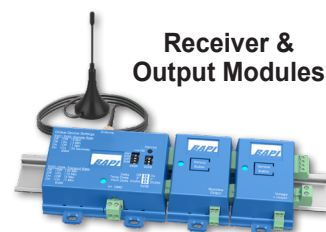
BA/WT-BLE-LL-O-BB-PWR

Wireless Outside Air Temp, Light Level and Barometric Pressure Sensor, Wire Power.....\$370

BA/LI14505 3.6V Lithium Replacement Battery..... \$3 (net price)

ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Wireless Site Verification App

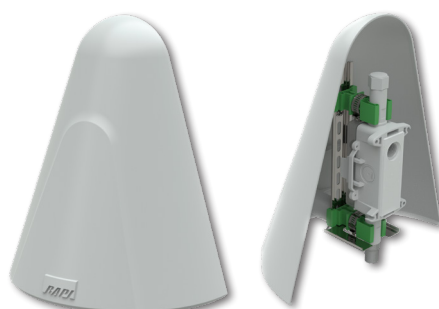
BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>



WEATHER SHADE FOR OUTDOOR SENSORS

External temperature and humidity sensors can be affected by solar heat gain. The BAPI Weather Shade effectively blocks the solar heat gain, improving the accuracy of the sensor.

(See Accessories for more info.)





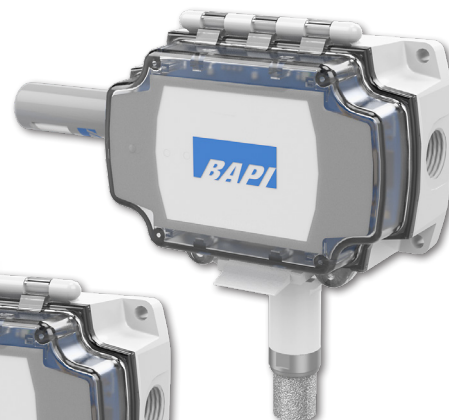
Features & Options

- Included Barometric pressure sensor and optional light level sensor
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Outside Air Wireless Sensor measures environmental values and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. This unit features a rugged IP66-rated BAPI-Box enclosure with a UV-resistant plastic shield. It is available with optional light level sensing.



Wireless Outside Air Temp and Humidity Sensor



Wireless Outside Air Temp and Humidity Sensor with Light Level Sensor

Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power: 9 to 30 VDC or 24 VAC, half-wave rectified

Sensor Accuracy:

Temp: $\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Humidity: $\pm 2\%\text{RH}$ @ 25°C , 20 to 80%RH

Barometric Pressure: $\pm 2\text{ mbar}$ @ 25°C ($0.40''\text{H}_2\text{O}$)

Light Level: 10 Lux + 10% of reading.

Temperature Range: -20 to 105°C

Light Level Sensing Range: 0 to 64,000 lux

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Enclosure Rating, Material & Material Rating:

IP66, UV-Resistant Polycarbonate, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

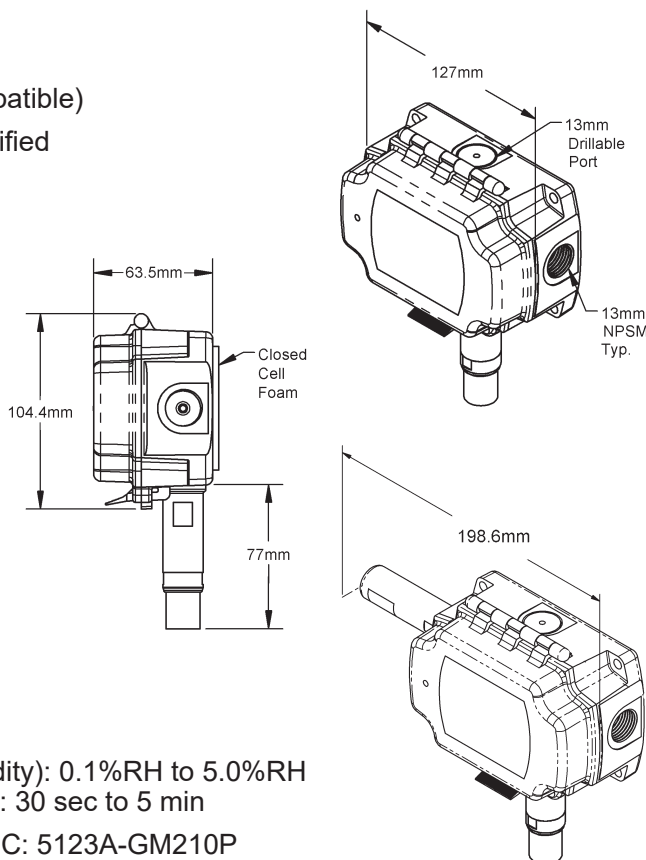
Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C | Delta T (Humidity): $0.1\%\text{RH}$ to $5.0\%\text{RH}$

Transmit Interval: 1 min to 30 min | Sample Interval: 30 sec to 5 min

Agency: RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02



Outside Air Temp/Humidity Sensor Ordering

F17**Wireless Sensors**

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number**USD LIST****BATTERY POWER UNITS****BA/WTH-BLE-O-BB-BAT**

Wireless Outside Air Temp/Humidity and Barometric Pressure Sensor, Battery Power\$406

BA/WTH-BLE-LL-O-BB-BAT

Wireless Outside Air Temp/Humidity, Light Level & Barometric Pressure Sensor, Battery Power\$441

WIRE POWER UNITS**BA/WTH-BLE-O-BB-PWR**

Wireless Outside Air Temp/Humidity and Barometric Pressure Sensor, Wire Power\$406

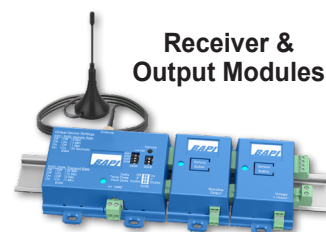
BA/WTH-BLE-LL-O-BB-PWR

Wireless Outside Air Temp/Humidity, Light Level & Barometric Pressure Sensor, Wire Power\$441

BA/LI14505 3.6V Lithium Replacement Battery..... \$3 (net price)

ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Receiver &
Output Modules

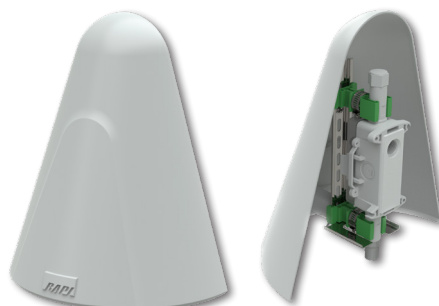
**Wireless Site Verification App**

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>

**WEATHER SHADE FOR OUTDOOR SENSORS**

External temperature and humidity sensors can be affected by solar heat gain. The BAPI Weather Shade effectively blocks the solar heat gain, improving the accuracy of the sensor.

(See Accessories for more info.)





Features & Options

- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Wireless Thermobuffer Sensor is designed for freezers and coolers. It measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS.

It features a SS thermobuffer hanging bracket probe with an IP66-rated BAPI-Box enclosure and FEP-jacketed cable in 1.5 to 3m length.



5
YEAR
WARRANTY

Specifications

Battery Power:

Two included 3.6V 14505, 14500 or equivalent lithium batteries (Standard AA batteries are not compatible)

Wire Power:

9 to 30 VDC or 24 VAC, half-wave rectified

Temperature Sensor Accuracy:

$\pm 0.55^{\circ}\text{C}$ from 0 to 70°C

Temperature Range:

-20 to 105°C

Transmission Distance:

Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90%RH, non-condensing

Enclosure Rating: IP66

Enclosure Material & Material Rating:

UV-Resistant Polycarbonate, UL94 V-0

Frequency:

2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

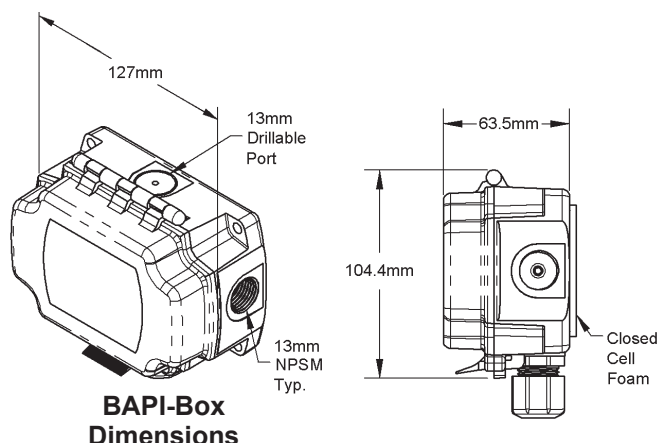
Delta T (Temp): 0.1°F/C to 5.0°F/C

Transmit Interval: 1 min to 30 min

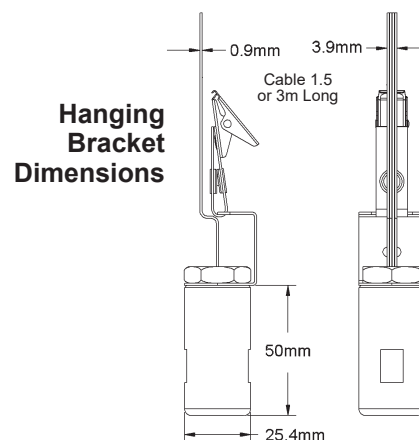
Sample Interval: 30 sec to 5 min

Agency:

RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



BAPI-Box Dimensions



Hanging Bracket Dimensions

*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Box Units Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.95
3 min	1 min	3.46
5 min	5 min	4.63
10 min	5 min	7.02



Thermobuffer Temperature Sensor Ordering

Wireless Sensors

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Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BATTERY POWER UNITS

BA/WT-BLE-TB-M304-1-HB-5-BB-BAT

Wireless Thermobuffer Sensor, 25mm 304 SS Hanging Bracket with 1.5m
FEP-Jacketed Cable, Battery Power\$437

BA/WT-BLE-TB-M304-1-HB-10-BB-BAT

Wireless Thermobuffer Sensor, 25mm 304 SS Hanging Bracket with 3m
FEP-Jacketed Cable, Battery Power\$442

WIRE POWER UNITS

BA/WT-BLE-TB-M304-1-HB-5-BB-PWR

Wireless Thermobuffer Sensor, 25mm 304 SS Hanging Bracket with 1.5m
FEP-Jacketed Cable, Wire Power.....\$437

BA/WT-BLE-TB-M304-1-HB-10-BB-PWR

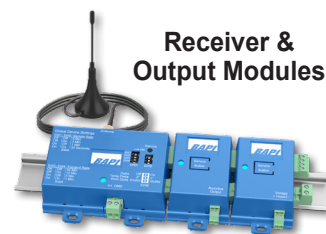
Wireless Thermobuffer Sensor, 25mm 304 SS Hanging Bracket with 3m
FEP-Jacketed Cable, Wire Power.....\$442

BA/LI145053.6V Lithium Replacement Battery..... \$3 (net price)



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Receiver &
Output Modules

Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- Built in or remote temperature sensor
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

The BAPI-Stat "Quantum Slim" Wireless Sensor measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. It is designed to monitor temperature inside refrigerator and freezer cases. The unit mounts on the outside of freezers and can be mounted either inside or outside of refrigerators. It is available with an internal or an external sensor.

The external sensor's cable fits between the door seal or through a hole without affecting appliance efficiency.



Specifications

Battery Power: One included 3.6V 14505, 14500 or equivalent lithium battery

(Note: Standard AA batteries are not compatible)

Temperature Sensor Accuracy:

0.7°C from 0 to 70°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90% RH, non-condensing

Enclosure Material & Rating: ABS Plastic, UL94 V-0

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

Ext. Probe Material: 304 Stainless Steel

44mm Bullet Probe with FEP Cable

25mm Thermobuffer with FEP Cable

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

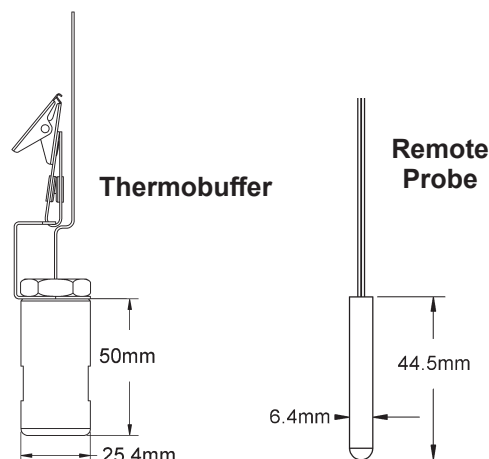
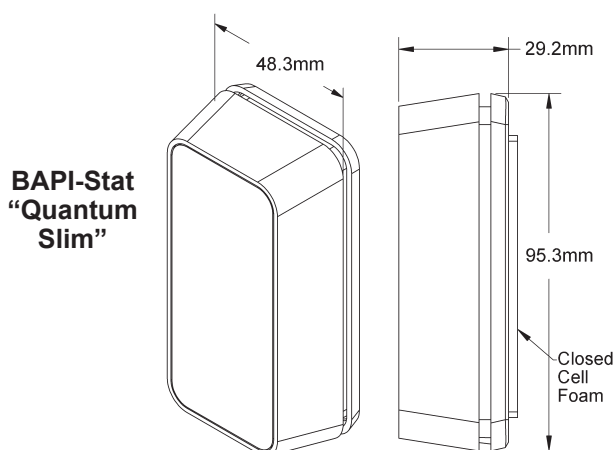
Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

Agency:

Contains FCC ID: QOQGM210P |

IC: 5123A-GM210P | RoHS



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Stat "Quantum-Slim" Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.04
3 min	1 min	2.03
5 min	5 min	3.02
10 min	5 min	4.01



BAPI-Stat "Quantum Slim" Temp Sensor Ordering

F21**Wireless Sensors**Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****BLACK UNITS****BA/WT-BLE-QS-B-IS-BAT**

Black Wireless BAPI-Stat "Quantum Slim", Internal Temp Sensor, Battery Power\$274

BA/WT-BLE-QS-B-RPFEP5-BAT

Black Wireless BAPI-Stat "Quantum Slim", Remote Probe & 1.5m FEP Cable, Battery Power\$292

BA/WT-BLE-QS-B-X-BAT

Black Wireless BAPI-Stat "Quantum Slim" without Sensor (sensor is ordered separately), Battery Power\$274

BA/WT-BLE-QS-B-TB-HB-FEP5-BAT

Black Wireless "Quantum Slim", 25mm Hanging Thermobuffer & 1.5m FEP Cable, Battery Power\$384

WHITE UNITS**BA/WT-BLE-QS-W-IS-BAT**

White Wireless BAPI-Stat "Quantum Slim", Internal Temp Sensor, Battery Power\$269

BA/WT-BLE-QS-W-RPFEP5-BAT

White Wireless BAPI-Stat "Quantum Slim", Remote Probe & 1.5m FEP Cable, Battery Power\$292

BA/WT-BLE-QS-W-X-BAT

White Wireless BAPI-Stat "Quantum Slim" without Sensor (sensor is ordered separately), Battery Power\$269

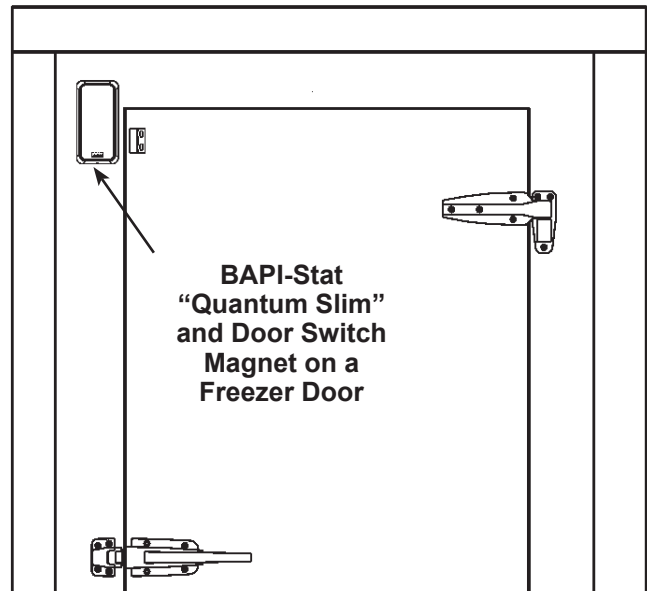
BA/WT-BLE-QS-W-TB-HB-FEP5-BAT

White Wireless "Quantum Slim", 25mm Hanging Thermobuffer & 1.5m FEP Cable, Battery Power\$384

BA/LI14505 3.6V Lithium Replacement Battery \$3 (net price)**Door Switch Magnet Accessory**

The Door Switch Magnet works with BAPI's Wireless "Quantum Slim" sensor to monitor the status of doors, including refrigerators, freezers, outside doors and garbage gates. The pickup for the Door Switch Magnet is already mounted inside all of the BAPI-Stat "Quantum Slim" units.

The magnet works with all "Quantum Slim" units including those with a remote probe or thermobuffer.

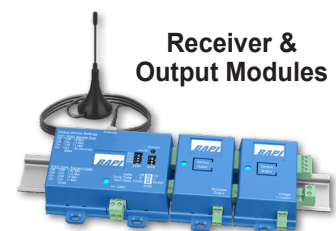


Part #	Description	USD LIST
BA/DSM	Door Switch Magnet	\$8

Note: Use only the BAPI Door Switch Magnet. Other magnets may damage the sensor or affect the accuracy of the sensor.

ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.





Features & Options

- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

The BAPI-Stat "Quantum Slim" Wireless Sensor measures the temperature and humidity and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS.

The unit features a sleek, low profile room enclosure in bright white or black color.

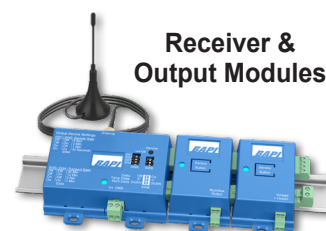


White and Black BAPI-Stat
"Quantum Slim" Sensors



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Specifications

Battery Power: One included 3.6V 14505, 14500 or equivalent lithium battery (Note: Standard AA batteries are not compatible)

Sensor Accuracy:

Temp: $\pm 0.7^{\circ}\text{C}$ from 0 to 70°C

Humidity: $\pm 2\%\text{RH}$ @ 25°C , 20 to 80%RH

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application*

Environmental Operating Range:

Temperature: -20 to 65°C

Humidity: 10 to 90% RH, non-condensing

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C

Delta T (Humidity): $0.1\%\text{RH}$ to $5.0\%\text{RH}$

Transmit Interval: 1 min to 30 min

Sample Interval: 30 sec to 5 min

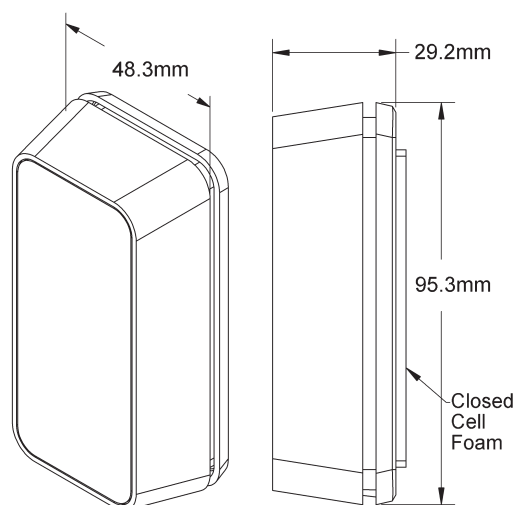
Enclosure Material & Rating:

ABS Plastic, UL94 V-0

Agency:

Contains FCC ID: QQQGM210P |

IC: 5123A-GM210P / RoHS



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

BAPI-Stat "Quantum-Slim" Calculated Battery Life**		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	1.04
3 min	1 min	2.03
5 min	5 min	3.02
10 min	5 min	4.01





BAPI-Stat "Quantum Slim" Temp/Humidity Sensor Ordering

F23

Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

BLACK UNIT

BA/WTH-BLE-QS-B-IS-BAT

Black Wireless BAPI-Stat "Quantum Slim", Internal Temp/Humidity Sensor, Battery Power \$365

WHITE UNIT

BA/WTH-BLE-QS-W-IS-BAT

White Wireless BAPI-Stat "Quantum Slim", Internal Temp/Humidity Sensor, Battery Power \$360

BA/LI14505 3.6V Lithium Replacement Battery \$3 (net price)

Door Switch Magnet Accessory

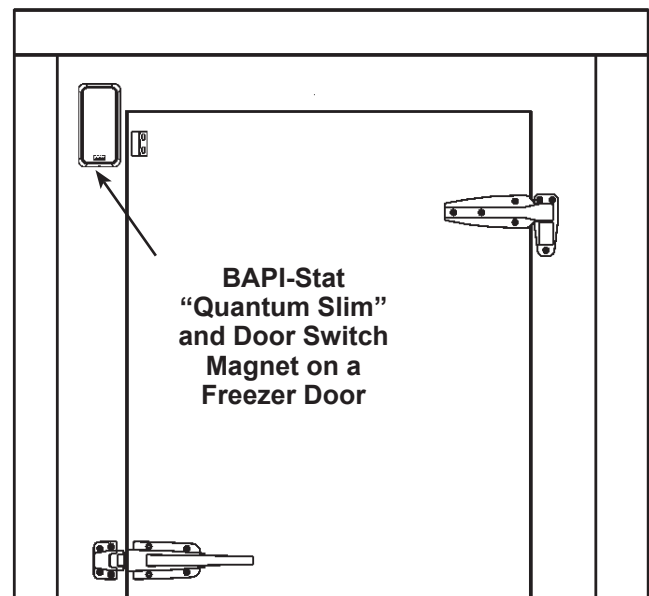
The Door Switch Magnet works with BAPI's Wireless "Quantum Slim" sensor to monitor the status of doors, including refrigerators, freezers, outside doors and garbage gates. The pickup for the Door Switch Magnet is already mounted inside all of the BAPI-Stat "Quantum Slim" units.

The magnet works with all "Quantum Slim" units including those with a remote probe or thermobuffer.



Part #	Description	USD LIST
BA/DSM	Door Switch Magnet	\$8

Note: Use only the BAPI Door Switch Magnet. Other magnets may damage the sensor or affect the accuracy of the sensor.



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- NSF certified¹ with food and dishwasher safe materials
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Wireless Food Probe measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. The food probes eliminate the need for an employee to hand record the temperatures with a thermometer for HACCP compliance. Bin clips are available to fit most food bins. The probe is designed for dishwasher or hand washing.

Because the probes are designed for wet, dusty or dirty environments, there are many additional applications including cooling towers, steam humidifiers or dusty/wet conveyor systems.

Wireless Food Probe with and without optional bin clip



Probe with optional bin clip inside a bin

Specifications

Power: One included Lithium 1/2AA Battery, 3.6V

Temperature Sensor Accuracy:

(Calibrated using a NIST traceable reference)
 $\pm 0.4^{\circ}\text{C}$ from 0 to 70°C
 $\pm 1.0^{\circ}\text{C}$ from 70 to 100°C

Temperature Range: -20 to 105°C

Transmission Distance: Varies by application²

Environmental Operating Range:

Probe Only: -20 to 110°C
 Entire Unit: -40 to 85°C
 Washing Spike Temp: 100°C
 Humidity: 0 to 100% RH Condensing

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C
 Transmit Interval: 30 sec to 12 hour⁴
 Transmit Interval: 1 min to 30 min
 Sample Interval: 30 sec to 5 min

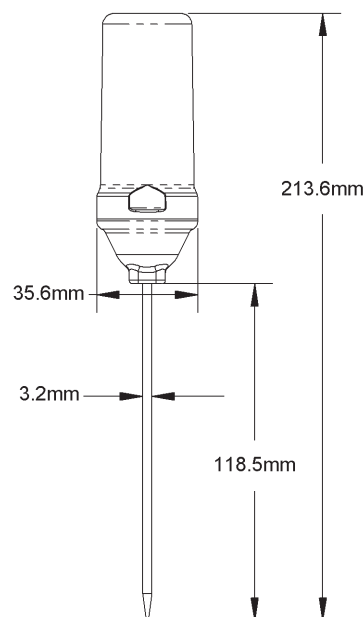
Enclosure Material: Food Safe Plastic

Frequency: 2.4 GHz (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

Probe Material: 304 SS, 3.2mm diameter

Agency: RoHS | NSF Certified¹ |
 Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



Food Probe Calculated Battery Life ³		
Transmit Interval	Sample Rate	Estimated Life (years)
1 min	1 min	0.42
3 min	1 min	0.55
5 min	5 min	1.45
10 min	5 min	1.96

¹NSF certification applies to the Wireless Food Probe only.

²In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

³Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.



Wireless Food Temperature Probe Ordering

F25

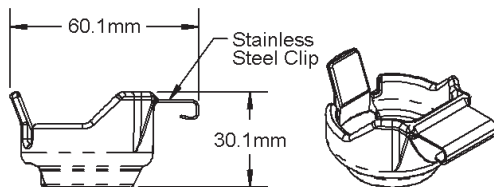
Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

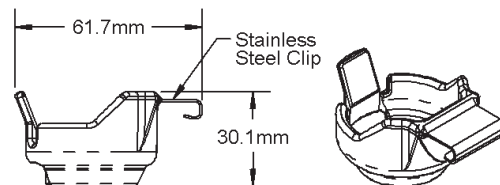
Part Number

USD LIST

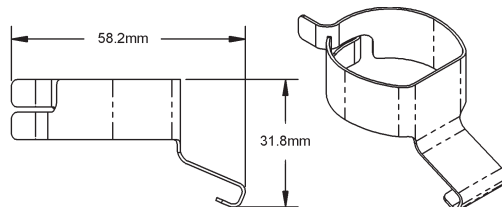
BA/WFP-BLE-PT ... Wireless Food Temperature Probe.....	\$300
BA/FP-CLP4Fixed Depth Clip for Stainless Steel Square Food Bins (Black Plastic)	\$15
BA/FP-CLP5Fixed Depth Clip for Plastic Square Food Bins (Amber Plastic)	\$15
BA/FP-CLP6Adjustable Depth Clip for Plastic Square Bins ("6" stamp on flat).....	\$36
BA/FP-CLP7Adjustable Clip for Stainless Steel Square Bins ("7" stamp on flat)	\$36
BA/FP-CLP-KITClip Kit (includes 1 each of BA/FP-CLP4, BA/FP-CLP5, BA/FP-CLP6, BA/FP-CLP7) .	\$75
BA/BAT-5AA-HIT ..Lithium ½AA Battery, 3.6V, for the Wireless Food Probe	\$6 (net price)



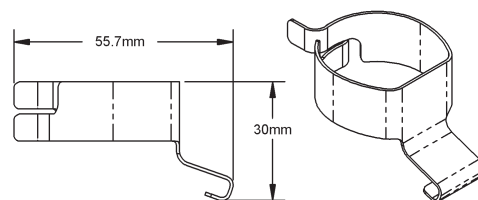
Fixed Depth Clip for Most Stainless Steel Square Bins (Black Plastic)
BA/FP-CLP4



Fixed Depth Clip for Most Plastic Square Bins (Amber Plastic)
BA/FP-CLP5



Adjustable Depth Bin Clip for Most Plastic Square Bins ("6" stamp on flat)
BA/FP-CLP6

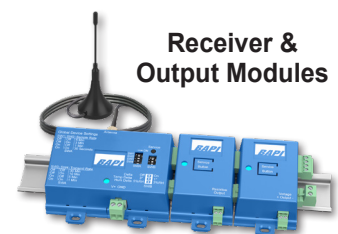


Adjustable Depth Bin Clip for Most SS Square Bins ("7" stamp on flat)
BA/FP-CLP7



ASSOCIATED RECEIVER & OUTPUT MODULES

- **RECEIVER** - Collects the data from up to 28 sensors and transfers the data to the Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the BMS communication networks or the analog inputs of a controller.



Wireless Site Verification App

BAPI recommends that all wireless customers conduct a site verification and send the information to BAPI prior to installing the system to ensure optimum performance. Our experts will review the data and follow up with an approval or recommendations if needed. A site verification app is available on the BAPI website at:
<https://www.bapihvac.com/wireless-site-verification/>





Features & Options

- Receiver output is integrated into the BMS with Analog Output Modules, a BACnet MS/TP or Modbus RTU module or a BACnet IP module
- Receiver supports up to 28 wireless sensors
- User adjustable settings
- Surface, snaptrack or DIN rail mountable

The Wireless Receiver collects the data from up to 28 wireless sensors. The data is then integrated into the BMS by analog or digital output modules.

The analog output modules convert the data to an analog voltage or resistance for direct connection to controller inputs. The receiver supports up to 127 different analog output modules.

The BACnet MS/TP or Modbus RTU digital module converts the data for integration into the field communication network and supports up to 28 wireless sensors.

The BACnet IP module converts the data for integration into the BMS ethernet communication network and supports up to 28 wireless sensors.



Wireless Receiver



Receiver with two Analog Output Modules mounted on DIN rail

Ordering

Part Number

USD LIST

BA/RCV-BLE-EZ Wireless Receiver \$300

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Supply Power:

15 to 24 VDC, from half-wave rectified supply

Power Consumption: 30 mA @ 24 VDC

Safety Current: 200 mA

Capacity/Unit:

Up to 28 sensors

Up to 127 output modules of any type

Reception Distance: Varies by application*

Frequency: 2.4 GHz (Bluetooth Low Energy)

Bus Cable Distance: 1,200 meters

Environmental Operating Range:

Temperature: 0 to 60°C

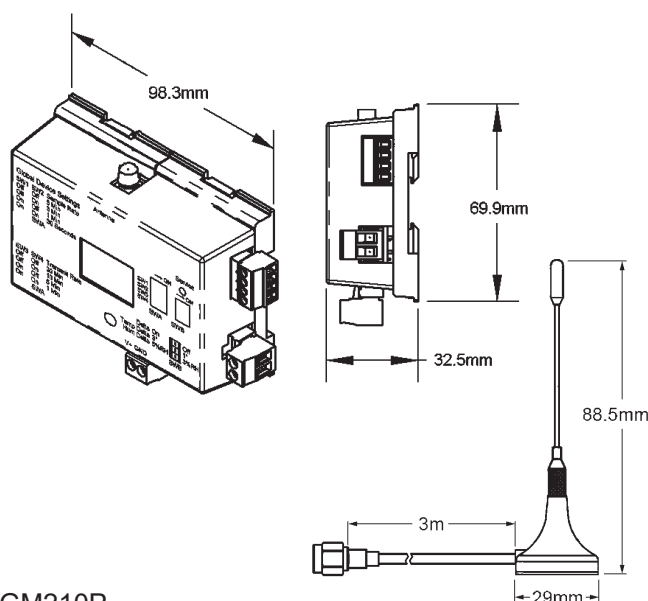
Humidity: 5 to 95% RH non-condensing

Enclosure Material & Rating:

ABS Plastic, UL94 V-0 (Indoor use only)

Agency:

RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P



*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.



BACnet IP Module

Wireless Sensors

Rev. 04/15/26

F27

Features & Options

The BACnet IP output module converts the data from up to 28 wireless sensors for integration into the BMS ethernet communication network.

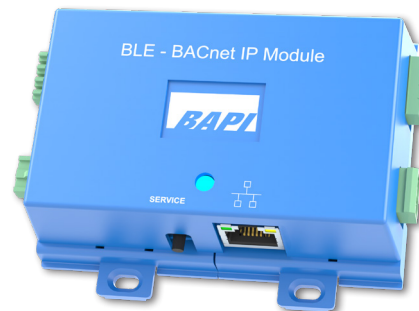
Because BACnet IP is a standard protocol, the module is perfect for retrofitting older systems or adding new ones.

The module receives the data and power from the receiver through a four-wire bus. The module may also be powered separately using a BAPI Pluggable Terminal Block Kit and a VC350A-EZ power supply.

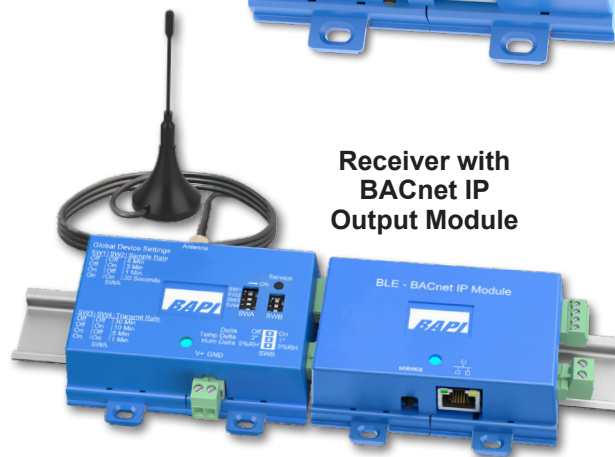
Configuration is quick and easy through a web-based interface, allowing both setup and adjustment without physically accessing the device once it's installed.

The receiver and BACnet IP module are surface, 70mm snaptrack or 35mm DIN rail mountable.

BACnet IP Output Module



Receiver with BACnet IP Output Module



Ordering

Part Number

USD LIST

BA/BIP-BLE-EZ.....BACnet IP Output Module \$285

Submittal sheets without List Prices are available on our website at www.bapihvac.com



Specifications

Supply Power:

15 to 24 VDC (from half-wave rectified supply)

Power Consumption: 40 mA max @ 24 VDC

Lost Comm. Timeout: 35 minutes

Bus Cable Distance: 1,200 meters

Ethernet Cable Standard: 100BASE-TX

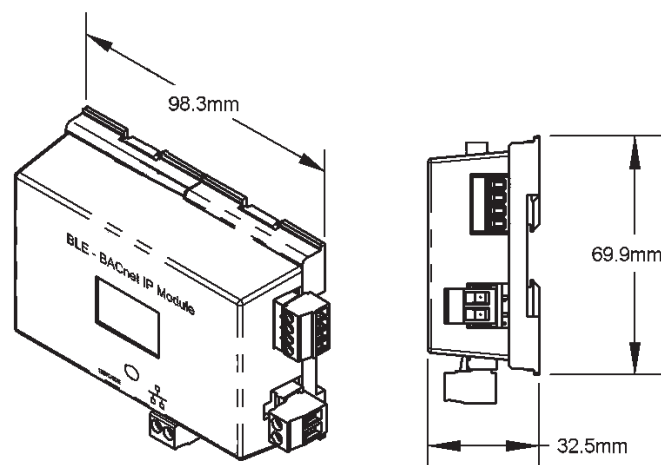
Environmental Operating Range:

Temperature: 0 to 60°C

Humidity: 5 to 95% RH non-condensing

Material & Rating: ABS Plastic, UL94 V-0

Agency: RoHS (CE pending)



Wireless Site Verification App

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<https://www.bapihvac.com/wireless-site-verification/>



A Global Company - Web: www.bapihvac.com | Customer Support: customerservice@bapisensors.com



Features & Options

The BACnet MS/TP or Modbus RTU output module converts the data from up to 28 wireless sensors for integration into the field communication network.

The field-selectable BACnet MS/TP or Modbus RTU output lets customers choose the best protocol for their system without the need for multiple devices. This makes the module perfect for retrofitting older systems or adding new ones.

The module receives the data and power from the receiver through a four-wire bus. The module may also be powered separately using a BAPI Pluggable Terminal Block Kit and a VC350A-EZ power supply.

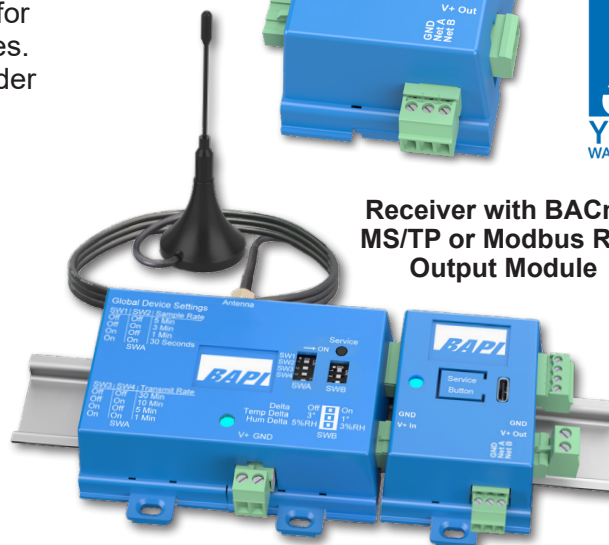
Configuration is quick and easy with the USB-C port and a computer running the downloadable application.

The receiver and module are surface, 70mm snaptrack or 35mm DIN rail mountable.

BACnet MS/TP or Modbus RTU Output Module



Receiver with BACnet MS/TP or Modbus RTU Output Module



Ordering

Part Number

USD LIST

BA/BIP-BLE-EZ.....BACnet IP Output Module \$285

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Supply Power: 15 to 24 VDC (from half-wave rectified supply)

Power Consumption: 40 mA max @ 24 VDC

Lost Communication Timeout: 35 minutes

Physical Layer: RS-485

Bus Cable Distance: 1,200 meters

Environmental Operating Range:

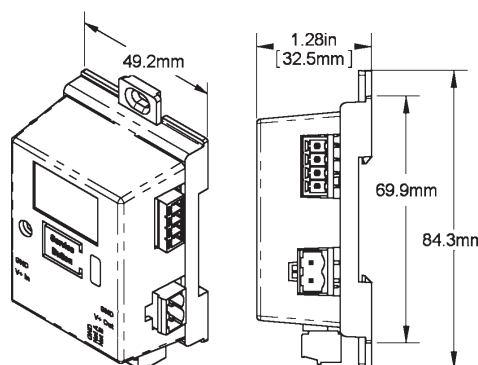
Temperature: 0 to 60°C

Humidity: 5 to 95% RH non-condensing

Enclosure Material & Rating:

ABS Plastic, UL94 V-0 (Indoor use only)

Agency: RoHS (CE pending)



Wireless Site Verification App

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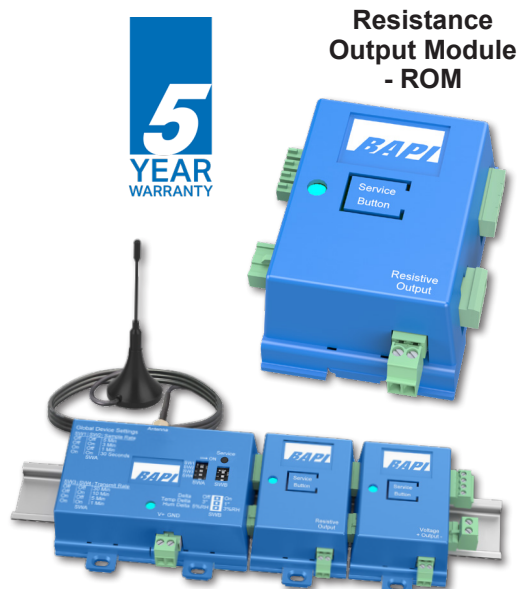
Features & Options

The Resistance Output Module (ROM) converts the temperature data from the BAPI Receiver into a Resistance for the BAS controller. The unit is factory calibrated to output a 10K-2, 10K-3, 10K-3(11K) or 20K thermistor curve.

The ROM receives data from the receiver through a four-wire bus. Up to 127 different Output Modules can be connected to a single receiver to send multiple variables to the controller.

The ROM is easily trained to a single sensor variable with a pushbutton and LED. The ROM is surface, 70mm snaptrack or 35mm DIN rail mountable.

The ROM is powered by the receiver. Optionally, the ROM may be powered separately when the Pluggable Terminal Block Kit is used for remote connections.



Receiver with two Analog Output Modules mounted on DIN rail

Ordering

Part Number

USD LIST

BA/ROM-BLE-102-EZ	Resistance Output Module, 10K-2 thermistor curve.....	\$150
BA/ROM-BLE-103-EZ	Resistance Output Module, 10K-3 thermistor curve.....	\$150
BA/ROM-BLE-10311-EZ	Resistance Output Module, 10K-3(11K) thermistor curve.....	\$150
BA/ROM-BLE-20-EZ	Resistance Output Module, 20K thermistor curve	\$150

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Supply Power:

15 to 24 VDC (from half-wave rectified supply)

Power Consumption:

20 mA @ 24 VDC

Analog Input Bias Voltage: 10 VDC max

Temperature Output Ranges:

10K-2 Unit:..... 1 to 50°C

10K-3 Unit:..... 0 to 50°C

10K-3(11K) Unit:..... 0 to 50°C

20K Unit:..... 12 to 50°C

Output Resolution: 100Ω

Lost Comm. Timeout: 35 min. (Fast Flash)

Reverts to High Resistance >35KΩ (Low Temp.)

Bus Cable Distance:

4,000 ft with shielded, twisted pair cable

Environmental Operating Range:

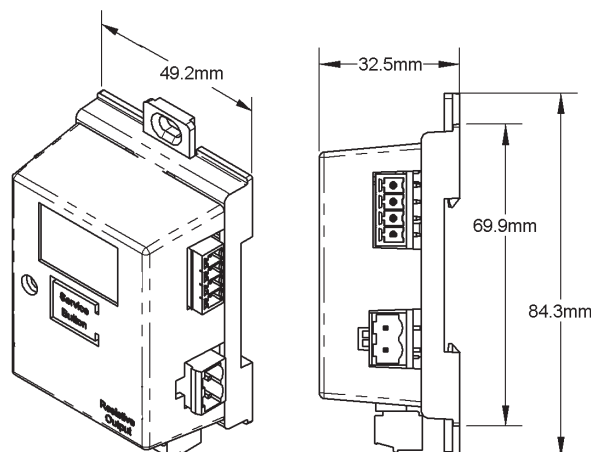
Temperature: 0 to 60°C

Humidity: 5 to 95% RH non-condensing

Enclosure Material & Rating:

ABS Plastic, UL94 V-0

Agency: RoHS





Features & Options

The Voltage Output Module (VOM) converts the temperature or humidity data from the BAPI Receiver into a linear 0 to 5 or 0 to 10 volt signal for the controller.

The VOM receives the temperature or humidity data from the receiver through a four-wire bus. Up to 127 different Output Modules can be connected to a single receiver to send multiple variables to the controller.

The VOM is easily trained to a single sensor variable with a pushbutton and LED. The VOM is surface, 70mm snaptrack or 35mm DIN rail mountable.

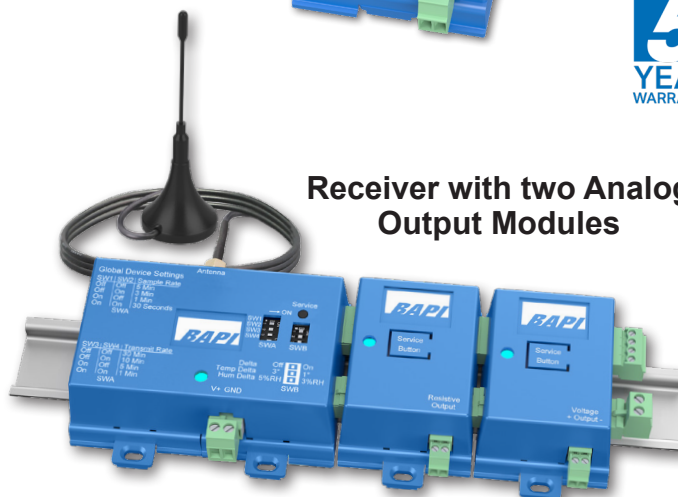
The VOM is powered by the receiver. Optionally, the VOM may be powered separately when the Pluggable Terminal Block Kit is used for remote connections.

Voltage Output Module - VOM



5
YEAR
WARRANTY

Receiver with two Analog Output Modules



Specifications

Supply Power:

15 to 24 VDC (from half-wave rectified supply)

Power Consumption: 25 mA @ 24 VDC

Output Current: 2.5 mA @ 4KΩ load

Minimum Load Resistance: 4KΩ

Output Voltage Range:

0 to 5 VDC or 0 to 10 VDC (factory calibrated)

Lost Communication Timeout:

35 min. (Fast Flash)

Temperature output reverts to 0 volts

%RH output reverts to high scale (5 V or 10 V)

Bus Cable Distance:

4,000 ft with shielded, twisted pair cable

Output Resolution: 150 μV

Environmental Operating Range:

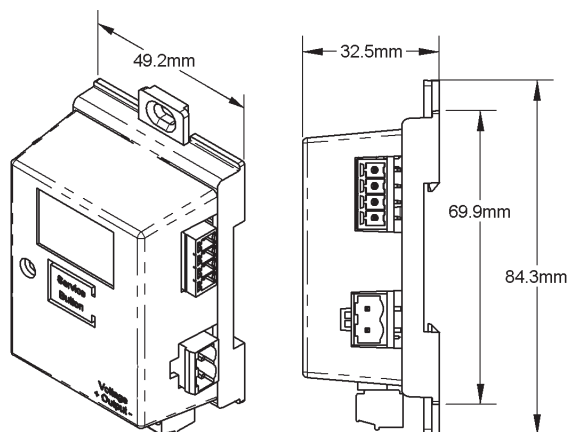
Temperature: 0 to 60°C

Humidity: 5 to 95%RH non-condensing

Enclosure Material and Rating:

ABS Plastic, UL94 V-0

Agency: RoHS



Wireless Site Verification App

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Voltage Output Module (VOM) Ordering

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Wireless Sensors

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

°C TEMPERATURE PART NUMBERS

BA/VOM-BLE-05-C-C-EZ	Voltage Output Module, 0 to 5V Output, 10 to 32°C Range	\$150
BA/VOM-BLE-05-D-C-EZ	Voltage Output Module, 0 to 5V Output, 13 to 30°C Range	\$150
BA/VOM-BLE-05-E-C-EZ	Voltage Output Module, 0 to 5V Output, 15 to 27°C Range	\$150
BA/VOM-BLE-05-F-C-EZ	Voltage Output Module, 0 to 5V Output, 18 to 27°C Range	\$150
BA/VOM-BLE-05-G-C-EZ ...	Voltage Output Module, 0 to 5V Output, 7 to 35°C Range	\$150
BA/VOM-BLE-05-H-C-EZ ...	Voltage Output Module, 0 to 5V Output, -29 to 49°C Range	\$150
BA/VOM-BLE-05-KK-C-EZ	Voltage Output Module, 0 to 5V Output, 0 to 85°C Range	\$150
BA/VOM-BLE-05-MM-C-EZ	Voltage Output Module, 0 to 5V Output, -40 to 60°C Range	\$150
BA/VOM-BLE-10-C-C-EZ	Voltage Output Module, 0 to 10V Output, 10 to 32°C Range	\$150
BA/VOM-BLE-10-D-C-EZ	Voltage Output Module, 0 to 10V Output, 13 to 30°C Range	\$150
BA/VOM-BLE-10-E-C-EZ	Voltage Output Module, 0 to 10V Output, 15 to 27°C Range	\$150
BA/VOM-BLE-10-F-C-EZ	Voltage Output Module, 0 to 10V Output, 18 to 27°C Range	\$150
BA/VOM-BLE-10-G-C-EZ ...	Voltage Output Module, 0 to 10V Output, 7 to 35°C Range	\$150
BA/VOM-BLE-10-H-C-EZ ...	Voltage Output Module, 0 to 10V Output, -29 to 49°C Range	\$150
BA/VOM-BLE-10-KK-C-EZ	Voltage Output Module, 0 to 10V Output, 0 to 85°C Range	\$150
BA/VOM-BLE-10-MM-C-EZ	Voltage Output Module, 0 to 10V Output, -40 to 60°C Range	\$150

HUMIDITY PART NUMBERS

BA/VOM-BLE-05-M-EZ	Voltage Output Module, 0 to 5V Output, 0 to 100%RH	\$150
BA/VOM-BLE-05-N-EZ	Voltage Output Module, 0 to 5V Output, 35 to 70%RH	\$150
BA/VOM-BLE-10-M-EZ	Voltage Output Module, 0 to 10V Output, 0 to 100%RH	\$150
BA/VOM-BLE-10-N-EZ	Voltage Output Module, 0 to 10V Output, 35 to 70%RH	\$150

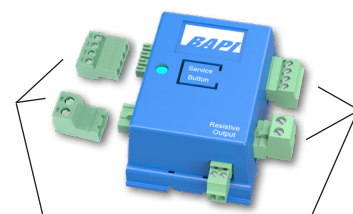


Pluggable Terminal Blocks

Output modules plug into each other and the receiver as shown on the previous page. However, the modules may also be mounted remotely using the optional Pluggable Terminal Block Connectors which are available as a 4-connector kit.

PART NUMBER:

BA/AOM-CONN .. Pluggable Terminal Block Kit



Optional Pluggable Terminal Block Kit (4 Connectors)





Features & Options

The Setpoint Output Module (SOM) converts the Setpoint data from the BAPI Receiver into a Resistance or Voltage for the BAS controller.

The SOM receives data from the receiver through a four-wire bus. Up to 127 different Analog Output Modules can be connected to a single receiver to send multiple variables to the controller.

The Setpoint Output Module is easily trained to a single sensor setpoint with a pushbutton and LED. The SOM is surface, 70mm snaptrack or 35mm DIN rail mountable.

The units are available with an occupancy override signal in parallel with the setpoint output. For resistance output units, the resistance goes to 0Ω briefly when the override button is pressed. For voltage output units, the voltage goes to 0 volts briefly when the override button is pressed.

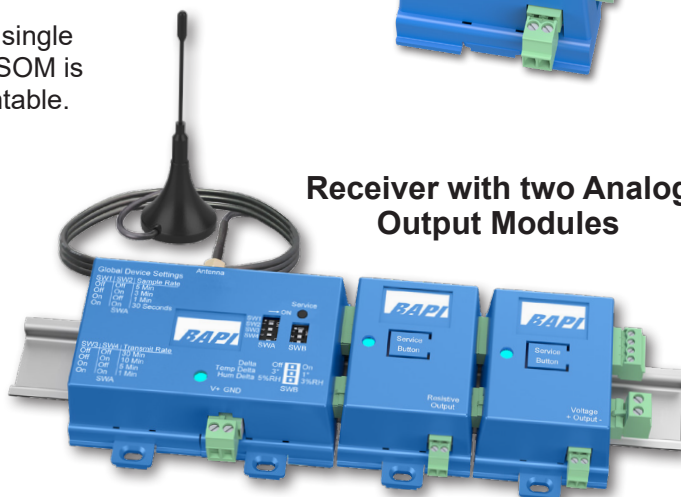
The SOM is powered by the receiver. Optionally, the SOM may be powered separately when the Pluggable Terminal Block Kit is used for remote connections.



Setpoint Output Module - SOM



Receiver with two Analog Output Modules



Specifications

Supply Power:

15 to 24 VDC (from half-wave rectified supply)

Power Consumption:

Resistance Models: 20 mA @ 24 VDC, 1.55 VA @ 24 VAC

Voltage Models: 25 mA @ 24 VDC, 1.75 VA @ 24 VAC

Output Current: 2.5 mA @ 4KΩ load

Minimum Load Resistance:

4KΩ (Voltage Output Models only)

Analog Input Bias Voltage:

10 VDC max (Resistance Output Models only)

Lost Comm. Timeout: 35 min. (Fast Flash)

Reverts to its last command

Output Resolution:

Resistance Output: 100Ω

Voltage Output: 150 μV

Optional Override in Parallel with Signal:

Resistance Output: Resistance goes to 0Ω briefly

Voltage Output: Voltage goes to 0 volts briefly

Bus Cable Distance:

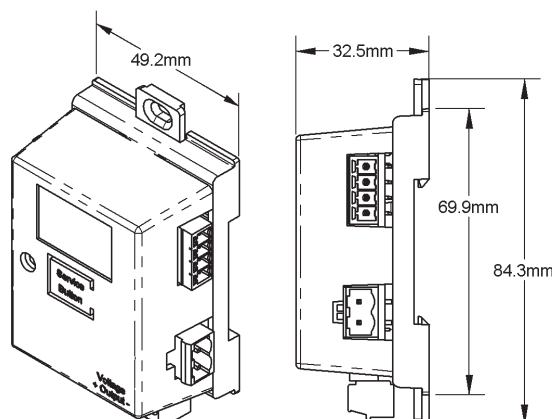
4,000 ft with shielded, twisted pair cable

Environmental Operating Range:

0 to 60°C | 5 to 95% RH non-condensing

Material & Rating: ABS Plastic, UL94 V-0

Agency: RoHS



Wireless Site Verification App

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Setpoint Output Module (SOM) Ordering

F33**Wireless Sensors**Submittal sheets without List Prices are available on our website at www.bapihvac.com**Part Number****USD LIST****VOLTAGE OUTPUT UNITS**

BA/SOM-BLE-00-EZ	Setpoint Output Module, 0 to 5V Output.....	\$150
BA/SOM-BLE-02-EZ	Setpoint Output Module, 3.7 to 0.85V Output.....	\$150
BA/SOM-BLE-04-EZ	Setpoint Output Module, 4.2 to 1.2V Output.....	\$150
BA/SOM-BLE-10-EZ	Setpoint Output Module, 0 to 10V Output.....	\$150
BA/SOM-BLE-11-EZ	Setpoint Output Module, 2 to 10V Output.....	\$150

RESISTANCE OUTPUT UNITS

BA/SOM-BLE-60-EZ	Setpoint Output Module, 0 to 10KΩ Output.....	\$150
BA/SOM-BLE-80-EZ	Setpoint Output Module, 0 to 20KΩ Output.....	\$150
BA/SOM-BLE-81-EZ	Setpoint Output Module, 4.75K to 24.75KΩ Output.....	\$150
BA/SOM-BLE-82-EZ	Setpoint Output Module, 6.19K to 26.19KΩ Output.....	\$150
BA/SOM-BLE-83-EZ	Setpoint Output Module, 7.87K to 27.87KΩ Output.....	\$150

VOLTAGE OUTPUT UNITS WITH OVERRIDE IN PARALLEL WITH SETPOINT

BA/SOM-BLE-00-EZ-O ...	Setpoint Output Module, 0 to 5V Output.....	\$150
BA/SOM-BLE-02-EZ-O ...	Setpoint Output Module, 3.7 to 0.85V Output.....	\$150
BA/SOM-BLE-04-EZ-O ...	Setpoint Output Module, 4.2 to 1.2V Output.....	\$150
BA/SOM-BLE-10-EZ-O ...	Setpoint Output Module, 0 to 10V Output.....	\$150
BA/SOM-BLE-11-EZ-O ...	Setpoint Output Module, 2 to 10V Output.....	\$150

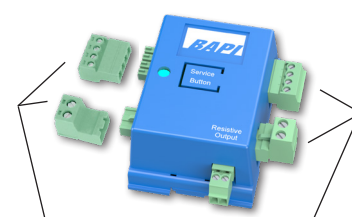
RESISTANCE OUTPUT UNITS WITH OVERRIDE IN PARALLEL WITH SETPOINT

BA/SOM-BLE-60-EZ-O ...	Setpoint Output Module, 0 to 10KΩ Output.....	\$150
BA/SOM-BLE-80-EZ-O ...	Setpoint Output Module, 0 to 20KΩ Output.....	\$150
BA/SOM-BLE-81-EZ-O ...	Setpoint Output Module, 4.75K to 24.75KΩ Output.....	\$150
BA/SOM-BLE-82-EZ-O ...	Setpoint Output Module, 6.19K to 26.19KΩ Output.....	\$150
BA/SOM-BLE-83-EZ-O ...	Setpoint Output Module, 7.87K to 27.87KΩ Output.....	\$150



Pluggable Terminal Blocks

Output modules plug into each other and the receiver as shown on the previous page. However, the modules may also be mounted remotely using the optional Pluggable Terminal Block Connectors which are available as a 4-connector kit.

PART NUMBER:**BA/AOM-CONN** .. Pluggable Terminal Block Kit

Optional Pluggable Terminal Block Kit (4 Connectors)





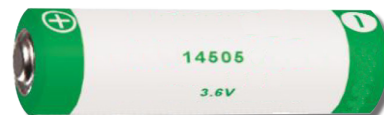
Features & Options

BA/LI14505

The BA/LI14505 Lithium AA battery is the ideal replacement for all BAPI Bluetooth Low Energy wireless sensors (except the Wireless Food Probe). Each unit takes two batteries, except the BAPI-Stat "Quantum Slim" which takes only one battery.

BA/BAT-5AA-HIT

The BA/BAT-5AA-HIT High Temperature Lithium 1/2AA battery is the ideal replacement for the BAPI Bluetooth Low Energy Wireless Food Probe sensor. Each food probe takes one battery.



BA/LI14505
(for all BAPI Wireless Sensors except the Wireless Food Probe)



BA/BAT-5AA-HIT
(for Wireless Food Probe)

Ordering

Part Number

Net Price

BA/LI14505 Lithium AA Battery, 3.6V, for all BAPI Bluetooth Low Energy
Wireless sensors except the Wireless Food Probe \$3 (Net price)

BA/BAT-5AA-HIT .. Lithium 1/2AA Battery, 3.6V, for the BAPI Bluetooth Low Energy
Wireless Food Probe \$6 (Net Price)

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

BA/LI14505 Battery

Type & Size: Lithium, AA

Nominal Voltage: 3.6V

Nominal Capacity: 2.6 Ah @1mA, to 2V

Operation Temperature:

-55 to 85°C

0 to 95 %RH Non-Condensing

Agency: RoHS

BA/BAT-5AA-HIT Battery

Type & Size: Lithium (High Temp), 1/2AA

Nominal Voltage: 3.6V

Nominal Capacity: 0.9 Ah @ 1mA, to 2V

Operating Temperature:

-55 to 125°C

0 to 95 %RH Non-Condensing

Agency: RoHS



Pluggable Terminal Blocks Kit

Wireless Sensors

Rev. 04/15/26



Features & Options

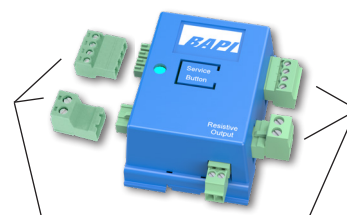
BAPI Wireless Output Modules plug into each other and the receiver. However, the modules may also be mounted remotely using the optional Pluggable Terminal Block Connectors which are available as a 4-connector kit.

Ordering

Part Number:

USD LIST

BA/AOM-CONN Pluggable Terminal Block Kit \$15



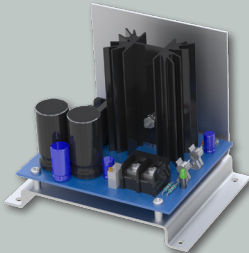
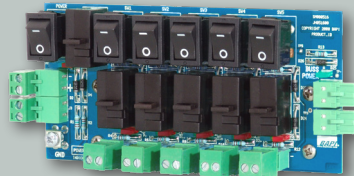
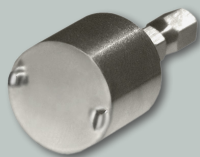
Optional Pluggable Terminal
Block Kit (4 Connectors)



Table of Contents

Accessories for HVAC/R

G1

Accessories for HVAC/R		
VC350A-EZ Voltage Converter  pg G2	VC2000 Voltage Converter  pg G3	PDM - Power Distribution Module  pg G4
Light Level Sensor  pg G5	Water Leak Detector Attached or Remote Sensor  pg G6	Water Leak Detector Rope Sensor  pg G8
Door Monitor Alarm (DMA)  pg G10	BAPI-Guard Thermostat Protector  pg G12	Adaptor Plates for Retrofits  pg G14
Flexible Probe Bracket for Averaging Sensors  pg G16	Weather Shade for Outdoor Air Sensors  pg G17	Clean Cut Tool for BAPI-Boxes  pg G18
	Sealant Filled Connectors  pg G19	





Features & Options

- DIN Rail, Snaptrack or Surface Mount
- Compact & Cost-Effective 350 mA Unit
- Self-resetting Thermal Fuse
- Operation & Fault LED Indicators
- Fixed or Adjustable Outputs
- Output Protected Against Overload and Shorting



VC350A EZ mounted on DIN Rail

BAPI's 350A-EZ is a cost-effective way of converting 24 VAC or VDC to 5, 12, 15 or 24 VDC for use on peripheral devices that require DC voltage. The converter is available with a 350 mA output. The revolutionary mounting system allows for 70mm snaptrack, DIN rail or surface mounting.

Although most BAPI room units can run on 24 VAC power, converting to DC power eliminates the AC power "noise" which can affect the room sensor readings. BAPI's tests show that fluctuating and inaccurate signal levels are possible when AC power wiring is present in the same cable as the signal lines. All fixed outputs of 5, 10, 12 or 15 VDC are adjustable $\pm 10\%$. The adjustable model has an output of 5 to 24 VDC.

Ordering

Part Number

USD LIST

BA/VC350A-EZ-5	VC350A-EZ with 5 VDC Output at 350 mA	\$53
BA/VC350A-EZ-10	VC350A-EZ with 10 VDC Output at 350 mA	\$53
BA/VC350A-EZ-12	VC350A-EZ with 12 VDC Output at 350 mA	\$53
BA/VC350A-EZ-15	VC350A-EZ with 15 VDC Output at 350 mA	\$53
BA/VC350A-EZ-ADJ	VC350A-EZ with 5 to 24 VDC Adjustable Output at 350 mA.....	\$53

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Output Voltage: 5 to 24 VDC @ 350 mA

Recommended Input Voltage: 18 to 28 VAC, 24 VDC (15 VA)

Input Voltage Limits:

Model of Unit	Minimum (VAC/VDC)	Maximum (VAC/VDC)	Input Current@ Min Input Volts (AC/DC)
5V	5.0/9.0	28.0/35.0	5.2 VA/305 mA
10V	10.0/14.7	28.0/35.0	8.3 VA/315 mA
12V	12.0/16.9	28.0/35.0	9.5 VA/318 mA
15V	15.0/20.5	28.0/35.0	11.2 VA/320 mA
ADJ (24V)	24.0/31.0*	28.0/35.0*	16.7 VA/325 mA*

*These specs are for 24V output. Lower voltage output specs are similar to the fixed model specs above.

Environmental Operating Range:

0 to 95% RH non-condensing

-40 to 65°C: 350 mA @ any output voltage

-40 to 70°C: 350 mA @ 5 VDC

330 mA @ 10 VDC

280 mA @ 12 VDC

224 mA @ 15 VDC

140 mA @ 24 VDC

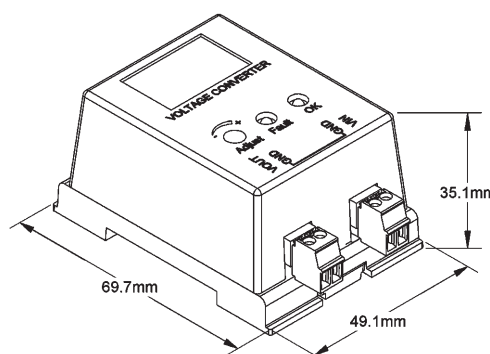
Environmental Storage Range:
-40 to 80°C

Wiring: 4 wires, 16 to 22 gauge

Rectification: Half-Wave Rectified

Grounding:

AC & DC Ground are Common



Note: The VC350A-EZ is a Class 2 circuit when it is powered from a UL Class 2 power supply.





Rev. 04/15/26

VC2000 Voltage Converter

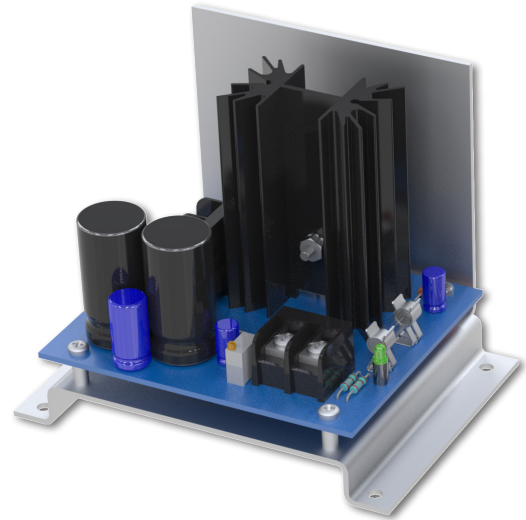
*Accessories for HVAC/R***G3**

Features & Options

- Compact and Cost-Effective
- Regulated and Adjustable 1.2 VDC to 24 VDC Output
- Output Protected Against Overload and Accidental Short Circuit

BAPI's VC2000 Voltage Converters are accurate, rugged and reliable power sources designed for commercial energy management applications.

The 2 Amp Voltage Converter accepts a 24 VAC input which can be field adjusted to a regulated output of 1.2 VDC to 24 VDC (factory set for 24 VDC). The input can be field configured for full or half-wave rectification. The unit includes an output fuse to protect against overload and short circuits, a power indication LED, and is available with or without a backplate on the steel mounting bracket. Self-resetting or cartridge fuses may be specified at the time of order.



**VC2000 with backplate
and cartridge fuse**

Ordering

Part Number

USD LIST

UNITS WITHOUT BACKPLATE

BA/VC2A-F VC350A Voltage Converter without backplate, cartridge fuse\$120

BA/VC2A-P VC350A Voltage Converter without backplate, self-resetting fuse\$120

UNITS WITH BACKPLATE

BA/VC2B-F VC350A Voltage Converter with backplate, cartridge fuse\$120

BA/VC2B-P VC350A Voltage Converter with backplate, self-resetting fuse\$120

Submittal sheets without List Prices are available on our website at www.bapihvac.com



Specifications

Input Voltage Range: 24 VAC (100 VA)

Fuse Protection: 4 Amp, output side

Output Voltage Range: 1.2 VDC to 24 VDC

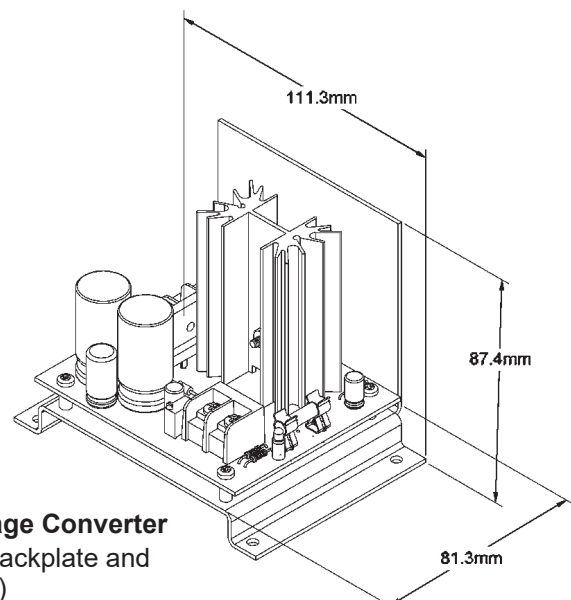
Maximum Output Current: 2.0 Amps

Operating Range: -40 to 70°C

Rectification: Field Selectable as Full or Half-wave

Wiring: 16 to 22 AWG

Note: The VC2000 is a Class 2 circuit when it is powered from a UL Class 2 power supply.



VC2000 Voltage Converter
(shown with backplate and
cartridge fuse)

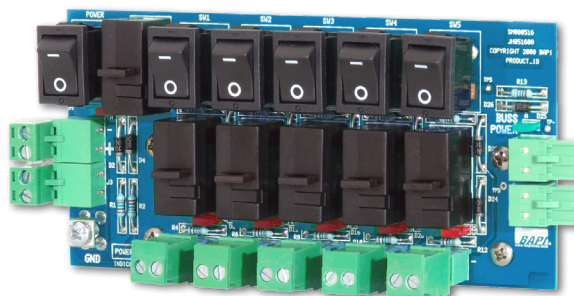


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Features & Options

- 3 or 5 Circuit Power Distribution
- 12 to 30 VAC/VDC Operation
- Master Power Switch w/ 10 Amp Breaker
- Individual Circuit Power Switches
- Individual 3 Amp Circuit Protection
- Power and Fault LEDs



5 Circuit PDM with Breaker (BA/PDM-5-B)



The PDM - Power Distribution Module is a low voltage (12 to 30 VAC/VDC) power distribution module designed to take a single power source and distribute that power to multiple circuits. It comes in 3 or 5 circuit models which can be linked together to achieve multiple circuits. A common On/Off switch and 10 amp breaker powers the distributed circuits. Each individual circuit has an On/Off switch, field connection terminals, 3 amp fuse or 3 amp breaker and individual power and fault LEDs.

Ordering

Part Number

USD LIST

SNAPTRACK MOUNT UNITS

BA/PDM-5-B	5 Circuit PDM with circuit breaker and 70mm snaptrack mount.....	\$650
BA/PDM-3-B	3 Circuit PDM with circuit breaker and 70mm snaptrack mount.....	\$450
BA/PDM-5-F	5 Circuit PDM with cartridge fuse and 70mm snaptrack mount	\$390
BA/PDM-3-F	3 Circuit PDM with cartridge fuse and 70mm snaptrack mount	\$290

DIN RAIL MOUNT UNITS

BA/PDM-5-B-DIN	5 Circuit PDM with circuit breaker and DIN rail mount	\$650
BA/PDM-3-B-DIN	3 Circuit PDM with circuit breaker and DIN rail mount	\$450
BA/PDM-5-F-DIN	5 Circuit PDM with cartridge fuse and DIN rail mount	\$390
BA/PDM-3-F-DIN	3 Circuit PDM with cartridge fuse and DIN rail mount	\$290

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Supply Voltage: 12 to 30 VAC/VDC, 10 amps max

Circuit Distribution: 3 or 5 circuits

Circuit Protection:

Master Breaker..... 10 amp, push to reset
Individual Fuses..... 3 amp, slow blow (20mm)
Individual Breakers... 3 amp, push to reset

Visual Indicators:

Power Green LED, master & individual
Fault..... Red LED, master & individual

On/Off Switching:

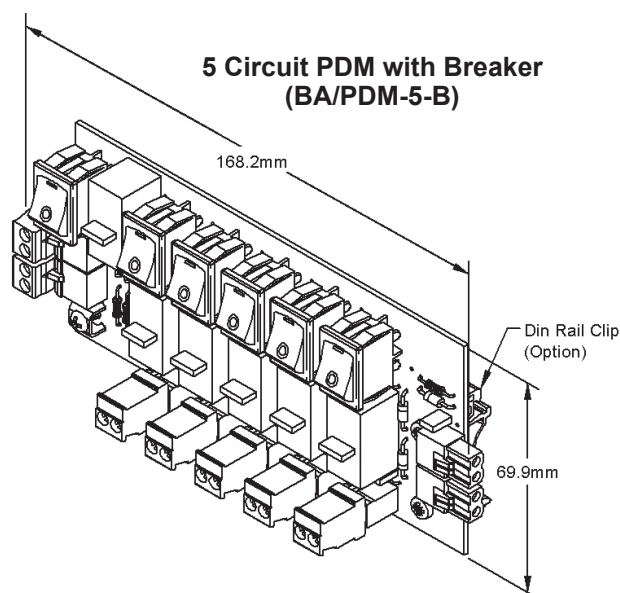
Master..... Common rocker switch
Circuit Individual rocker switch

Connection: Plug in terminal strip,
Cage clamp, 28 to 12 AWG

Mounting: 70mm snaptrack

Ambient: -40 to 70°C

Warranty: 5 years





Rev. 04/15/26

Outdoor Light Level Sensor

Accessories for HVAC/R

G5

Features & Options

- 0 to 2,000 Lux or 0 to 875 Foot Candle Ranges
- Extremely Sensitive, Even in Dim Lighting (<10 Foot Candle or 108 Lux)
- Rugged and Watertight Enclosure

The BAPI Outdoor Light Level Sensor conserves energy by allowing lights to be shut off when the ambient light level exceeds a specified level. The sensor can also help ensure safety by allowing lights to be turned on when the ambient light falls below a specified level.

The unit comes in a rugged and watertight UV-inhibited polycarbonate enclosure with an IP66, NEMA 4 rating. The light level range is available as Foot Candle and Lux with 0 to 5V, 0 to 10V or 4 to 20 mA output. Custom ranges are also available.



**Light
Level
Sensor**



Sensor mounted in a parking lot facing north

Ordering

Part Number

USD LIST

LUX UNITS

BA/LLV-05-LX[0 TO 2000]Sensor with 0 to 5V Output, 0 to 2,000 Lux Range	\$275
BA/LLV-10-LX[0 TO 2000]Sensor with 0 to 10V Output, 0 to 2,000 Lux Range	\$275
BA/LLV-20-LX[0 TO 2000]Sensor with 4 to 20mA Output, 0 to 2,000 Lux Range	\$275

FOOT CANDLE UNITS

BA/LLV-05-FC[0 TO 875]Sensor with 0 to 5V Output, 0 to 875 Foot Candle Range	\$275
BA/LLV-10-FC[0 TO 875]Sensor with 0 to 10V Output, 0 to 875 Foot Candle Range	\$275
BA/LLV-20-FC[0 TO 875]Sensor with 4 to 20mA Output, 0 to 875 Foot Candle Range	\$275

Custom light level ranges are available in Foot Candle or Lux. Contact BAPI for more info.

Note: 1 Foot Candle = 10.76 Lux • 1 Lux = 0.0929 Foot Candles

Submittal sheets without List Prices are available on our website at www.bapihvac.com



Specifications

Power Supply:

12 to 28 VDC, 22mA max (for 0 to 5 VDC or 4 to 20 mA Outputs)
15 to 28 VDC, 6 mA max (for 0 to 10 VDC Output)

Factory Selectable Outputs:

0 to 5V, 0 to 10V and 4 to 20 mA

Measurement Range:

0 to 2,000 Lux or 0 to 875 Foot Candle

Accuracy: 10 Lux $\pm$ 10% of reading

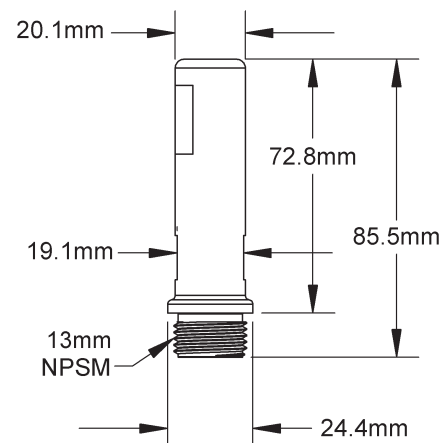
Environmental Operating Range:

Temperature: -40 to 85°C
Humidity: 0 to 100%, non-condensing

Enclosure Material: UV-Inhibited Polycarbonate

Enclosure Rating and Material Rating:

IP66, NEMA 4 / UL94 V-0



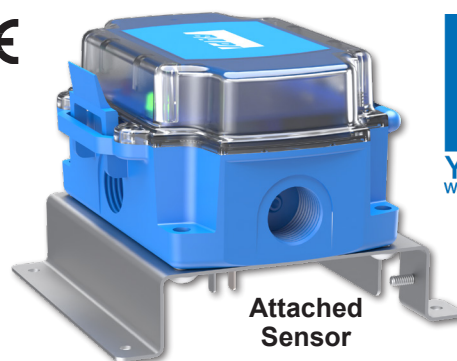
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Features & Options

- Detection Within 5 Seconds with Local LED Alarm Indication
- Alarm Output, Two 5 Amp Relays
- Attached Sensor or Remote Sensor
- Automatic or Manual Unit Reset

The Water Leak Detector is designed to sense the presence of water and alert a central monitoring system of the potentially destructive situation. Upon water detection, the alarm output relays change state, and a local red LED illuminates.



Specifications

Power (Half-wave Rectified):

24 VAC/VDC $\pm 10\%$, 3.9 VA max @ 24 VAC, 90mA max @ 24 VDC (Reverse Polarity Protected)

Note: This unit does not require a separate isolated power supply.

Wiring:

Screw Terminals: 2 to 4 pair of 12 to 22AWG (BAPI recommends 16 to 22AWG).

Water Detection Sensor: 2 wires (provided), optional Flex Connector or Liquid Tight Fitting for strain relief

Detection Adjustment:

Attached Sensor Unit:

Adjustable depth blade from 1.60 to 23.19mm

Remote Sensor Unit:

Adjustable depth screw from 1.57 to 12.70mm

(Attached and Remote Sensors are designed to be mounted to flat surfaces or on the rims of drip pans.)

Alarm Reset Action:

Field selectable for Auto (Non-Latching) or Manual (Latching)

Local Indication:

One green power LED, one red alarm LED

Alarm Relay Contacts:

Two SPDT, 5 Amp relay outputs

Operating Environment

Remote Sensor: -29 to 85°C

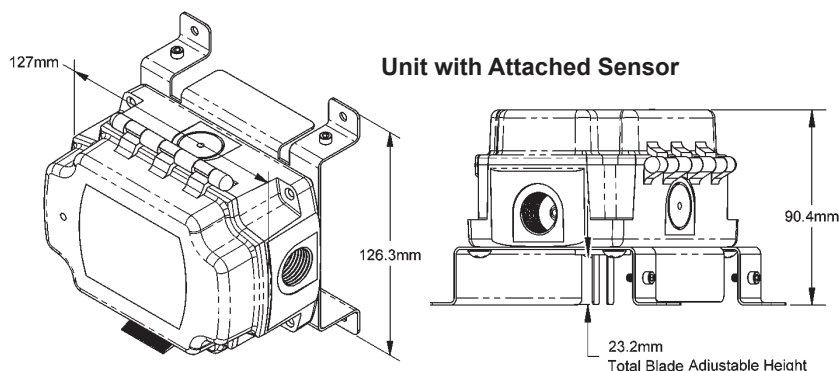
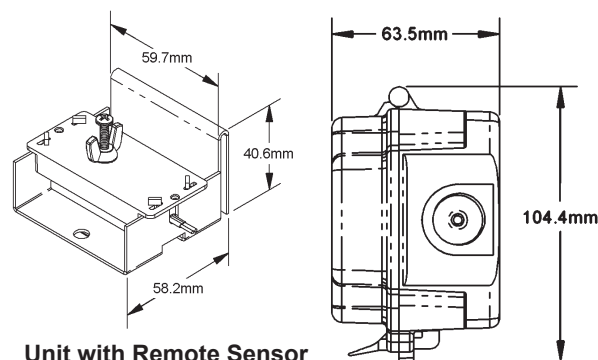
Detector (BB): -20 to 65°C, 0 to 95%RH, non-condensing

Enclosure Material and Ratings:

NEMA 4 (IP66), UV-resistant polycarbonate, UL94 V-0

Agency: CE 61326-1:2013

EMC (Industrial Electromagnetic Environment), RoHS





Water Leak Detector - Remote or Attached Sensor Ordering

G7

Accessories for HVAC/R

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

ATTACHED SENSOR UNIT

BA/LDT4-PS-BB..... Water Leak Detector with Attached Sensor\$244

REMOTE SENSOR UNITS

BA/LDT4-RS5-BB Water Leak Detector with Remote Sensor, 1.5 meters of FEP Cable\$248

BA/LDT4-RS10-BB..... Water Leak Detector with Remote Sensor, 3 meters of FEP Cable\$253

BA/LDT4-RS25-BB..... Water Leak Detector with Remote Sensor, 7.6 meters of FEP Cable\$268

*Add “-LTF” to the end of any part number for an included Liquid Tight Fitting.
(\$10 addition list price for the included Liquid Tight Fitting)*



Liquid
Tight
Fitting

*Add “-GFF” to the end of any part number for an included Flex Connector.
(\$1 addition list price for the included Flex Connector)*



Flex
Connector

REPLACEMENT REMOTE SENSORS (for updates to existing systems)

BA/RS5 Remote Sensor with 1.5 meters of FEP Cable (Detector not included)\$36

BA/RS10 Remote Sensor with 3 meters of FEP Cable (Detector not included)\$41

BA/RS25 Remote Sensor with 7.6 meters of FEP Cable (Detector not included)\$56





Features & Options

- Detection Within 5 Seconds with Local LED Alarm Indication
- Alarm Output, Two 5 Amp Relays
- Rope Detects Water Along Its Entire Length
- Automatic or Manual Unit Reset

The Water Leak Detector is designed to sense the presence of water and alert a central monitoring system of the potentially destructive situation.

Upon water detection, the alarm output relays change state, and a local red LED illuminates.



Rope Sensor Mounting Bracket

The BAPI Rope Sensor Mounting Bracket is specifically designed to hold the rope taut and prevent rope slippage allowing for maximum contact with the monitored surface. Bracket can be easily mounted to flat surfaces utilizing the industrial adhesive backing or the built in screw holes.

Part Number: BA/LDT-RR-MB (Pack of 25)



Specifications

Power (Half-wave Rectified):

24VAC/VDC $\pm 10\%$, 3.9VA max @ 24VAC, 90mA max @ 24VDC (Reverse Polarity Protected)

Note: This unit does not require a separate isolated power supply.

Wiring:

Screw Terminals: 2 to 4 pair of 12 to 22AWG (BAPI recommends 16 to 22AWG).

Rope Sensor: 2 wires (provided), optional Flex Connector or Liquid Tight Fitting for strain relief

Rope Sensor Specifications:

Plenum-rated rope sensor cable, detects 3.2mm of water. Max length: 30.5m

Internal termination rope sensor lead wires, 22 AWG

Alarm Reset Action:

Field selectable for Auto (Non-Latching) or Manual (Latching)

Local Indication:

One green power LED, one red alarm LED

Alarm Relay Contacts:

Two SPDT, 5 Amp relay outputs

Operating Environment

Rope Sensor:

0 to 75°C

BAPI-Box Detector:

-20 to 70°C, 0 to 95%RH, non-condensing

Enclosure Ratings:

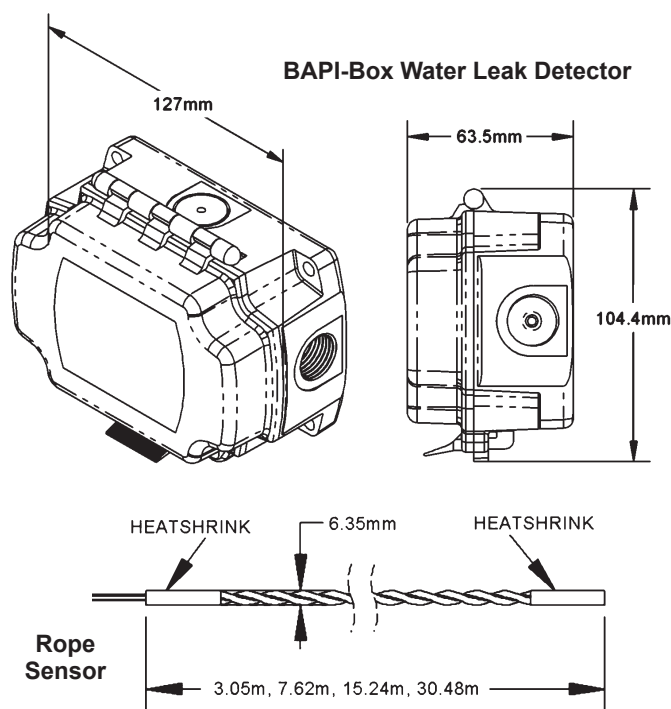
NEMA 4 (IP66)

Enclosure Material Ratings:

UV-resistant polycarbonate, UL94 V-0

Agency:

CE 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS





Water Leak Detector - Rope Sensor Ordering

G9

Accessories for HVAC/R

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

ROPE SENSOR UNITS

BA/LDT4-RR10	Remote Rope Sensor with 10 foot plenum-rated sensor cable.....	\$386
BA/LDT4-RR25	Remote Rope Sensor with 25 foot plenum-rated sensor cable.....	\$635
BA/LDT4-RR50	Remote Rope Sensor with 50 foot plenum-rated sensor cable.....	\$1,051
BA/LDT4-RR100	Remote Rope Sensor with 100 foot plenum-rated sensor cable.....	\$1,883

*Add "-LTF" to the end of any part number for an included Liquid Tight Fitting.
(\$10 addition list price for the included Liquid Tight Fitting)*



Liquid
Tight
Fitting

*Add "-GFF" to the end of any part number for an included Flex Connector.
(\$1 addition list price for the included Flex Connector)*



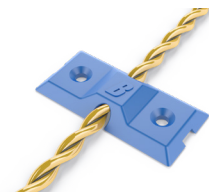
Flex
Connector

REPLACEMENT ROPE SENSORS (for updates to existing systems)

BA/RR10	Remote Rope Sensor with 10 foot plenum-rated sensor cable.....	\$174
BA/RR25	Remote Rope Sensor with 25 foot plenum-rated sensor cable.....	\$423
BA/RR50	Remote Rope Sensor with 50 foot plenum-rated sensor cable.....	\$839
BA/RR100	Remote Rope Sensor with 100 foot plenum-rated sensor cable.....	\$1,671

BA/LDT-RR-MB	Rope Sensor Mounting Bracket (Pack of 25).....	\$110
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Gray shaded items follow the Buy and Resale Multiplier.



Rope Sensor
Mounting Bracket





Features & Options

- For Use with Normally Closed (NC) Door Switches
- Door Status LEDs
- Two Auxiliary Relays with Status LEDs
- Audible Annunciator
- User Selectable Time Periods

The BAPI Door Monitor Alarm (DMA) monitors a door switch to alert personnel when the door is closed, open or has exceeded its user-selectable open time period. Green, amber and red LEDs on the face of the unit alert nearby personnel the door's status.

Leaving the door open for longer than the user-selected time will also energize an internal audible annunciator to alert nearby personnel that the door should be closed immediately. The unit also has two auxiliary relays that will energize whenever the door is opened to alert other user-supplied warning devices or a building automation system.



Door Monitor Alarm (DMA)



Green Status

Amber Status

Red Status

Specifications

Power: 24 VAC or 24 VDC (UL Listed Class 2 Power Source only)

Power Consumption (max): 7.5 VA @ 24 VAC, 200 mA @ 24 VDC

Door Switch Contacts:

Normally Closed (NC) = door open is alarm condition

Normally Open (NO) = door closed is alarm condition

Auxiliary Relay Contact Rating: 1.0 Amp @ 30 VAC/VDC

Audible Annunciator: 90dB; 2,730 Hz

Wiring: 16 to 22 AWG

Environmental Operating Range:

Temp: 0 to 60°C

Humidity: 5 to 95%, non-condensing

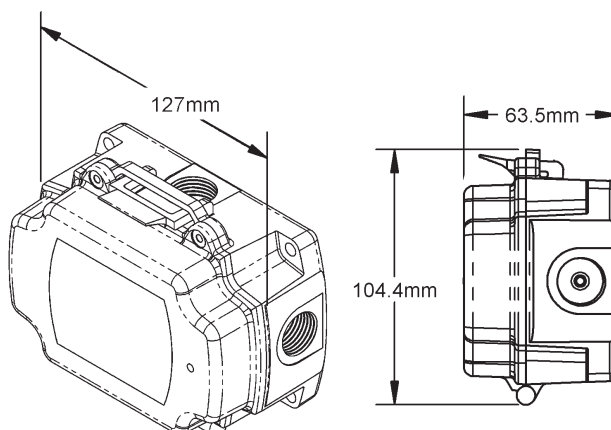
Enclosure Material:

UV-resistant Polycarbonate, UL94 V-0

Enclosure Rating: IP66, NEMA 4

Agency:

CE EN 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS





Door Monitor Alarm (DMA) Ordering

G11

Accessories for HVAC/R

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Part Number

USD LIST

DOOR MONITOR ALARM

BA/DMA Door Monitor Alarm (DMA) \$805

REED SWITCHES

BA/DMA-RSW1 Press Fit Magnetic Contact, 19mm diameter \$20

BA/DMA-RSW2 Mechanical Surface Mount Switch, 64mm length \$32

Gray shaded items follow the
Buy and Resale Multiplier.



DMA-RSW1



DMA-RSW2





Features & Options

- Prevents Tampering, Damage and Unauthorized Adjustment
- Exceptional Airflow for Proper Thermostat Operation
- Made from Thick, Durable Polycarbonate
- Key Lock Protected
- Low Profile Design with Two Sizes to Fit Most Thermostats
- Horizontal or Vertical Mounting with Hardware Included

The BAPI-Guard prevents tampering, physical damage and unauthorized adjustment of thermostats. The attractive design is available in two sizes to fit most thermostats.

The BAPI-Guard is made of thick, durable polycarbonate and features exceptional airflow, key lock protection, horizontal or vertical mounting and easy installation with hardware included.



BAPI-Guard 2 Mounted Over a BAPI-Stat “Quantum” Sensor

Ordering

Part Number	USD LIST
BA/BG	Larger BAPI-Guard Thermostat Protector..... \$45
BA/BG2	Smaller BAPI-Guard 2 Thermostat Protector..... \$35
BA/KEY16187	Replacement Key for BAPI-Guard and BAPI-Guard 2 (*Net Price, no multiplier)..\$2*

Submittal datasheets without List Prices are available on our website at www.bapihvac.com

Specifications

Material: Polycarbonate
Material Rating: UL94 V-0

The BAPI-Guard fits
these common thermostats

BAPI-Stat “Quantum Prime”
Honeywell T7300, T7350, T7560, T7770 and
T7790 Series
Johnson Controls Metastat

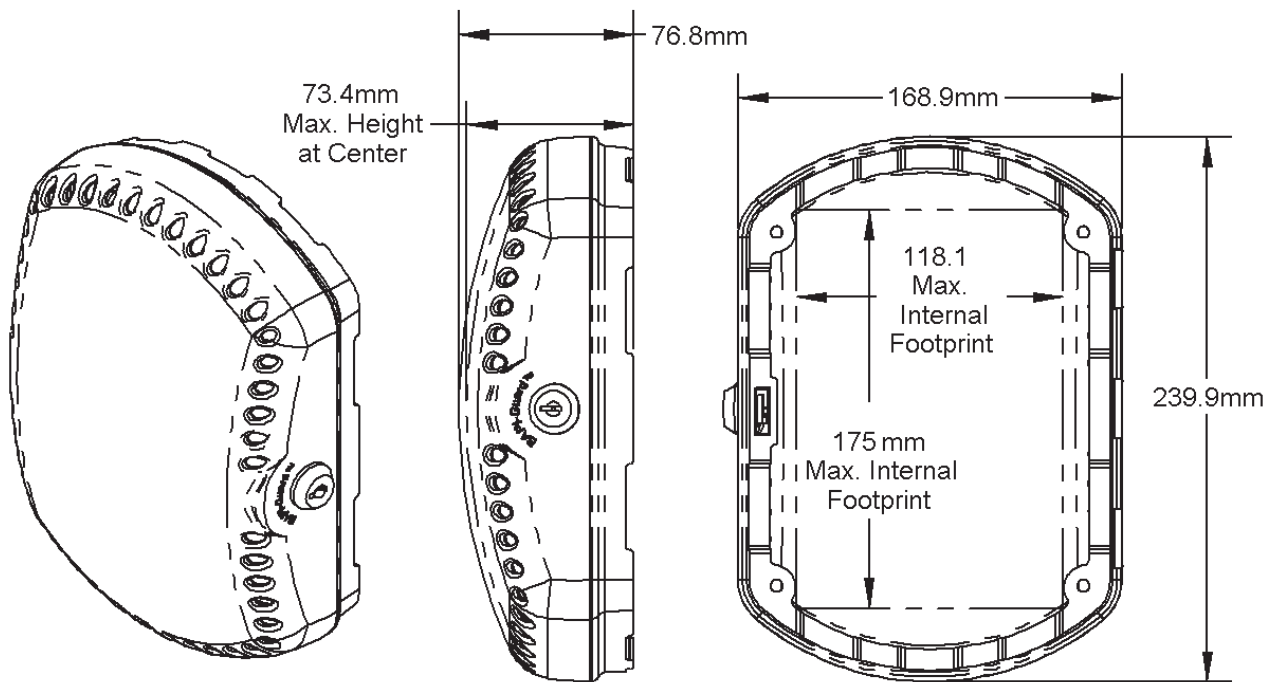
The BAPI-Guard 2 fits
these common thermostats

Delta Style Enclosure
BAPI-Stat “Quantum”
Automated Logic RS Series
York Zone Sensor
Invensys MN series

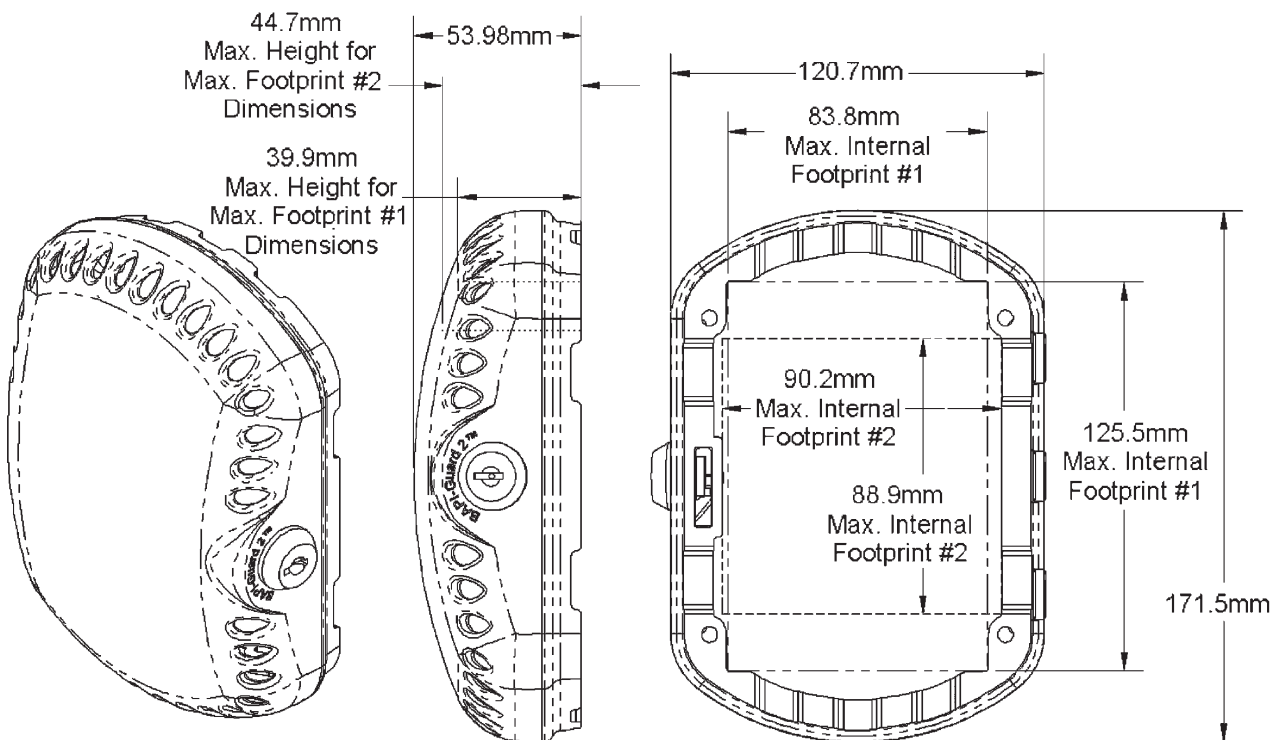
If you have a question about whether a model will fit a specific thermostat, please call BAPI.



Dimensions



BAPI-Guard



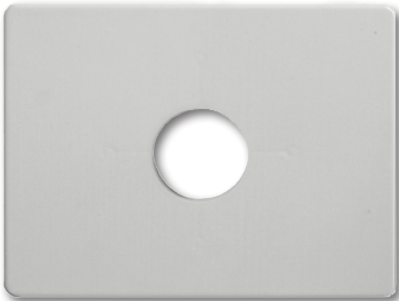
BAPI-Guard 2





Features & Options

BAPI Adaptor Plates are designed to cover wall imperfections when installing wall sensors or thermostats. They come in three sizes and three colors and can be painted or wall papered in place if desired.



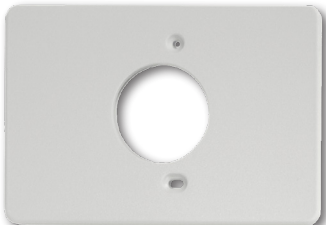
BA/ADP-525-7-BW



BA/ADP-53-53-BW



BA/ADP-37-55-BW



BA/ADP-37-55-BW-UK

Ordering

Part Number	USD LIST
BA/ADP-525-7-BW	Adaptor Plate, 133 x 178mm Bright White \$18
BA/ADP-525-7-OFW	Adaptor Plate, 133 x 178mm Off White..... \$18
BA/ADP-525-7-CDW	Adaptor Plate, 133 x 178mm Cloud White \$21
BA/ADP-53-53-BW	Adaptor Plate, 135 x 135mm Bright White \$18
BA/ADP-53-53-OFW	Adaptor Plate, 135 x 135mm Off White \$18
BA/ADP-53-53-CDW	Adaptor Plate, 135 x 135mm Cloud White..... \$21
BA/ADP-37-55-BW	Adaptor Plate, 95 x 140mm Bright White \$18
BA/ADP-37-55-OFW	Adaptor Plate, 95 x 140mm Off White..... \$18
BA/ADP-37-55-CDW	Adaptor Plate, 95 x 140mm Cloud White \$21
BA/ADP-37-55-BW-UK	Adaptor Plate (Europe), 95 x 140mm Bright White \$18
BA/ADP-37-55-OFW-UK	Adaptor Plate (Europe), 95 x 140mm Off White..... \$18

Submittal datasheets without List Prices are available on our website at www.bapihvac.com

Specifications

Material:
ABS plastic, Flame-retardant,
UL 94, V-0

Application:
Horizontal or Vertical

Mounting:
Drywall, US back box or European
back box

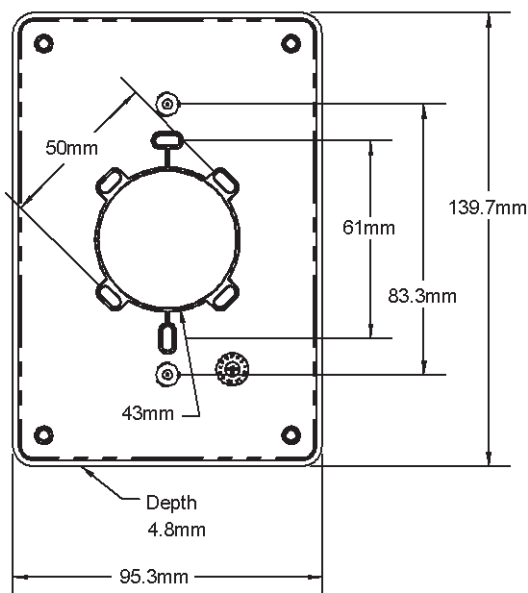
- Color Match**
- BW, Bright White:
BAPI-Stat “Quantum” and “Quantum Prime” Room Units (Approx. Pantone Bright White) also Delta and BAPI-Stat 4 Units purchased after 2020
 - OFW, Off White:
BAPI-Stat 3 (Approximately Pantone Warm Gray 1)
 - CDW, Cloud White:
Delta, BAPI-Stat 4 (Approximately Pantone Cool Gray 1)

Color Reference

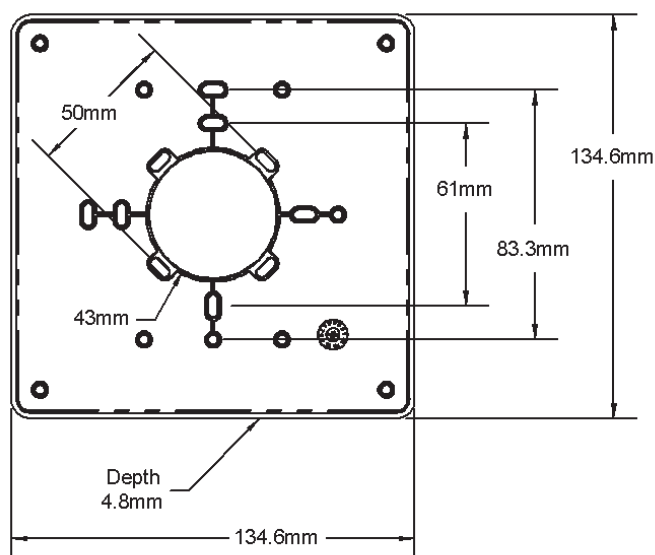




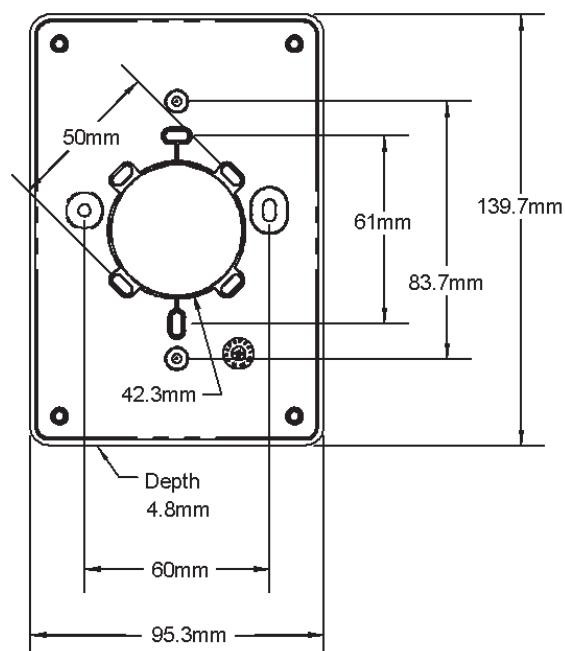
Dimensions



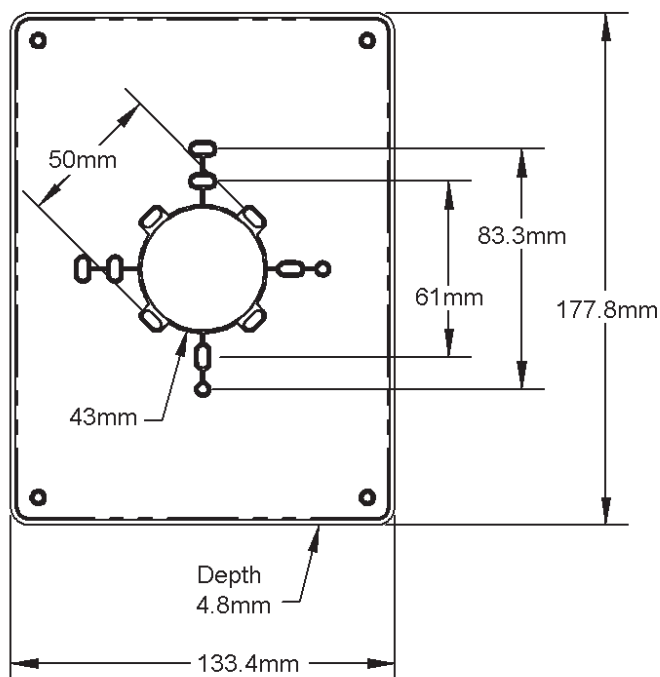
BA/ADP-37-55-BW



BA/ADP-53-53-BW



BA/ADP-37-55-BW-UK



BA/ADP-525-7-BW



Features & Options

- Makes mounting of averaging sensors quick and easy
- Eliminates risk of kinking and damaging the probe
- Scored break off for 6.4mm rigid probe mounting
- Nylon material limits heat/cold conduction to the probe

The Flexible Probe Bracket (FPB) is used to mount averaging sensors, low limit thermostats or liquid fill thermostats for probe diameters from 3.2, 6.4, and 9.5mm. The bracket is used to reverse the direction of the flexible probe with a smooth arc to eliminate the risk of kinking the sensor and damaging the probe.

A fixed 6.4mm probe may also be mounted as part of the bracket design using the scored break-off. The FPB is made out of tough UL94 V-2 Nylon which limits heat/cold conduction to the probe and has multiple mounting holes to make mounting quick and easy.

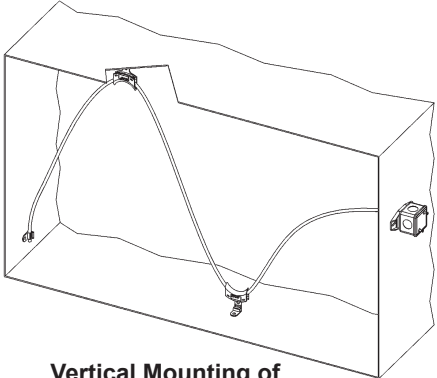


Ordering

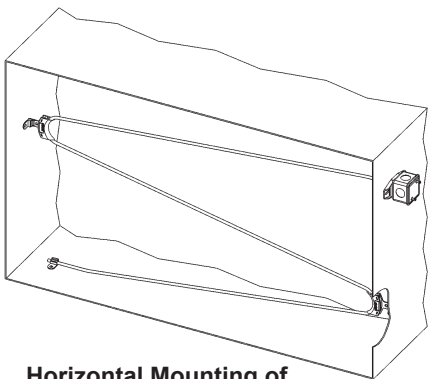
Part Number	USD LIST
BA/FPB-50 50 Flexible Probe Brackets	\$182

Gray shaded items follow the Buy and Resale Multiplier.

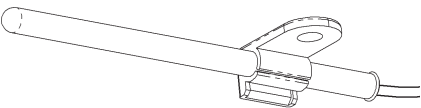
Submittal sheets without List Prices are available on our website at www.bapihvac.com



Vertical Mounting of the Averaging Sensor



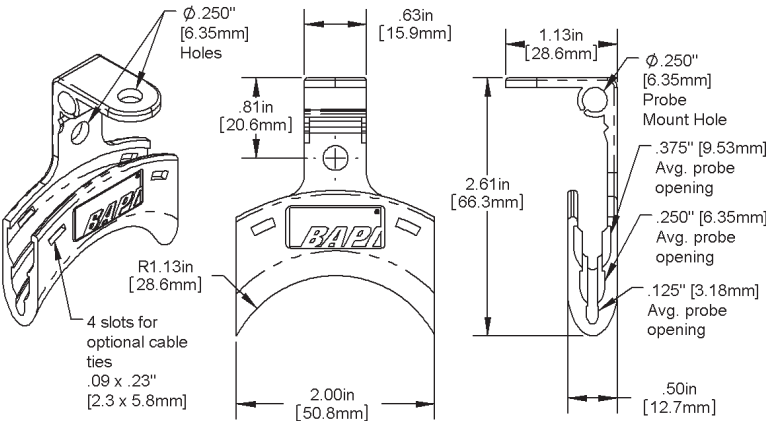
Horizontal Mounting of the Averaging Sensor



1/4" Rigid Probe Mounting (using scored break off)

Specifications

- Material:** Nylon
- Rating:** UL94 V-2 (plenum rated), RoHS Compliant
- Mounting:** Two 1/4" holes, on the top and side.
- Probe Size:** 3.2, 6.4, and 9.5mm flexible probes
6.4mm rigid probe holder, w/break off score
- Bracket Arc:** 29mm radius
- Operational Temperature:** -30 to 75°C





Rev. 04/15/26

Weather Shade Kit

G17*Accessories for HVAC/R*

Features & Options

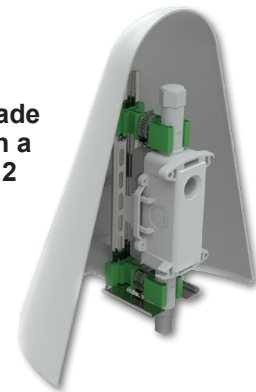
- Improves Accuracy of Outside Air Sensors by Reducing Solar Heat Gain
- Simple and Sturdy Mounting Method

External temperature, humidity and air quality sensors can be affected by solar heat gain. The BAPI Weather Shade effectively reduces the solar heat gain, improving the accuracy of the sensor.

The shape of the cone and spacing from the wall creates a chimney which draws radiant heat from solar gain away from the sensor. The “domed” top also prevents bird nesting while the smooth surface minimizes hosting of insects.

The Weather Shade is constructed of solar stabilized plastic to ensure a long, corrosion-free life. The material also has a high reflectivity rating (87%) and low emissivity rating (0.90) to reduce the radiant heat created from solar gain. Besides reducing solar heat gain, the shade also protects the probe filter from precipitation and grit, extending the life of the filter.

The Weather Shade mounts quickly and securely to the BAPI-Box and BAPI-Box 2 enclosures.

Weather Shade**Weather Shade mounted on a BAPI-Box 2**

Ordering

Part Number

USD LIST

BA/WSK..... Weather Shade Kit\$150

(Includes a pre-assembled shade and DIN rail bracket, two capped mount tubes, one adjustable clamp and one adjustable clamp with retention plate)

Submittal sheets without List Prices are available on our website at www.bapihvac.com



Specifications

Shade Material:

UV-stabilized Polycarbonate

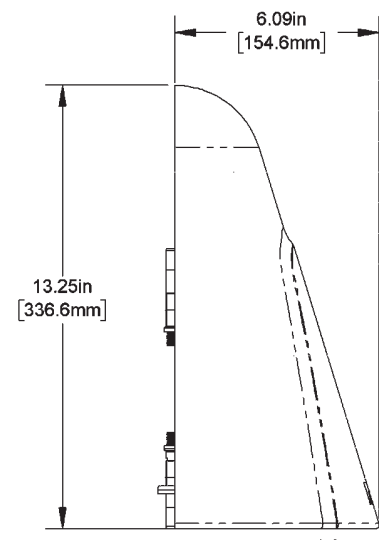
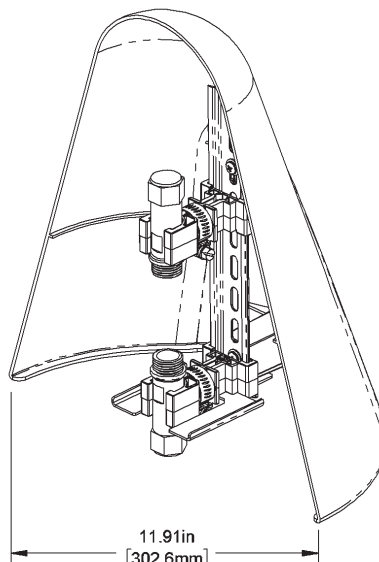
Shade Material Ratings:

Flammability: UL 94

Reflectivity: 87%

Emissivity: 0.90

For more information, see the Application Note “Reducing Solar Heat Gain on Outdoor Air Sensors with the BAPI Weather Shade” on the BAPI website at www.bapihvac.com. Find it by clicking on “Resource Library” and then on “Application Notes”.





Features & Options

- Quick, Easy and Professional Looking Knockouts for the BAPI-Box, and BAPI-Box 2 Enclosures
- One Step Cutting Bit
- Standard Hex Drill Bit Shaft
- Quick Disconnect Shaft
- Built in Rim Stop Prevents Damage to Internal Components
- Stainless Steel Construction
- Comes with Blade Sheath



Clean-Cut Tool

The Clean-Cut hole cutter is designed to cut out the plastic plugs in the 13mm NPSM threaded ports of the BAPI-Box and BAPI-Box 2 polycarbonate enclosures. This tool makes removing the plastic plug fast and easy and produce a professional-looking 16.5mm diameter hole.

A built-in stop prevents the tool from pushing through and possibly damaging sensitive electronics within the box, so there's no need to remove the items to drill the hole. The Stainless Steel construction keeps its edge and lasts for over 1,000 operations in both directions. The tool can be sharpened with a hand grinder or file and comes with a protective sheath to protect the blades and user.

Ordering

Part Number

USD LIST

BA/CLN-CUT-50 Clean-Cut - 1/2" threaded knockout cutting tool for BAPI-Box and BAPI-Box 2.....\$100

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Material: 316 Stainless Steel

Rim Stop: 1mm in from edge

Shaft Stem: 24.1mm long with quick disconnect shaft

Drill Chuck: 6.4mm Hex

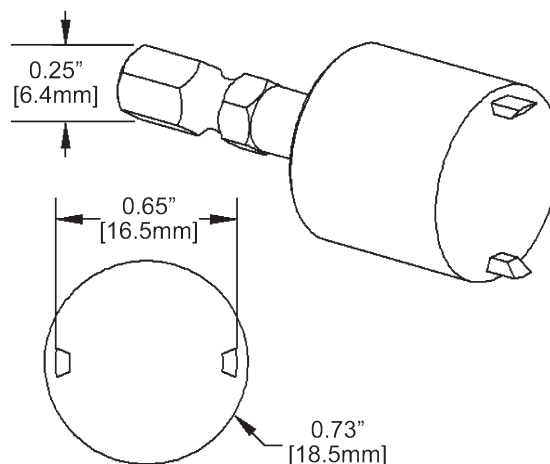
Sharpening: Hand grinder or file (As needed)

Weight: 50.0g

Outer Diameter: Smooth 18.5mm)

Cutting Blades: 3.12mm long, 1.27mm wide

Hole Cut: 16.51mm





Features & Options

- Creates a Weatherproof Wire Connection
- Crimp-On Installation

BAPI's Sealant Filled Connectors (SFC) contain a moisture-excluding sealant which encapsulates the electrical connection protecting it from moisture and oxidation. This encapsulation also reduces the potential for fire, electrocution and flashover.

The Crimp-On Round SFC3000 is an insulation displacement connector (IDC) that accepts two wires of 19 to 26 AWG. It has a voltage rating of 50 volts with an operating temperature of -40 to 70°C, and it is compliant to RoHS 2011/65/EU. It is not UL listed. To terminate, simply insert your wires and crimp down on the cap with a set of pliers.



**Crimp-On Round
SFC3000**

Ordering

Part Number

USD LIST

BA/SFC3000-100	100 Crimp-On SFC3000 Style SFCs	\$20
BA/SFC3000-500	500 Crimp-On SFC3000 Style SFCs	\$100
BA/SFC3000-1000	1,000 Crimp-On SFC3000 Style SFCs	\$200

Gray shaded items follow the Buy and Resale Multiplier.

Submittal sheets without List Prices are available on our website at www.bapihvac.com

Specifications

Wire Size:

16 to 22 AWG

Voltage Rating:

50 Volts

Environmental Operating Range:

-40 to 70°C

Agency:

RoHS 2011/65/EU, UL

Dimensions:

Length (max): 15.5mm

Height open (max): 9.5mm

Height closed (max): 6.3mm

Height closed (min): 5.6mm

Width (max): 10mm

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Terms and Conditions

Building Automation Products, Inc. (BAPI) sells its products under the following terms and conditions. Any different or additional terms must be specifically agreed to in writing prior to any sale.

Ordering

To place an order, contact an authorized BAPI distributor or contact BAPI directly by phone or email. You can also order products from our website/webstore at www.bapihvac.com. There is no minimum order amount.

Please be sure the purchase order contains the following information:

- Purchase Order number
- Bill and Ship to address
- Customer name, contact person & telephone number
- Quantity & unit price
- Part number
- Desired ship date
- Desired ship method*

*Available selection of carrier is dependent on shipping location and stated service preference.

Upon receipt of your order, BAPI will email a confirmation of the order, including current pricing, estimated ship date and assigned Order Number. Please refer to this order number in further communications regarding this order. The confirmation will be emailed to the predetermined contact specified when the customer account was created.

INTERNATIONAL ORDERS

International shipments may be subject to additional handling, export documentation and shipping charges, as well as any appropriate duties, taxes or fees. If you deal through a Customs Broker, please provide BAPI with the Broker's name, address, telephone number and a copy of their import documents so we may process your order as quickly as possible. Terms of payment are prepaid in US dollars by Electronic Funds Transfer to our bank or your bank check in US dollars unless an "Open Account" has been established. See Payment Terms in this section for more information.

DELIVERY

Promises of delivery from stock are subject to prior sale. Delivery dates are not guaranteed, but are estimated on the basis of BAPI's immediate receipt of all needed information supplied by the customer. We will, in good faith, attempt to meet estimated delivery dates, but BAPI does not accept responsibility for delays resulting from circumstances beyond our reasonable control.

BACK ORDERS

BAPI ships complete orders whenever possible to keep freight charges to a minimum. In the event that an order cannot be completely filled as scheduled, BAPI will contact the customer with information regarding the delay and advise a new ship date whenever possible. At that time a customer may elect to accept a partial shipment. Back orders will be shipped as soon as possible.

FREIGHT

Customer is responsible for all shipping charges billed on each invoice. Any discrepancies in shipments must be brought to the attention of our Sales Department within ten (10) working days of receipt of shipment. Deductions from remittances will not be allowed unless authorized by BAPI in writing. Please notify BAPI of Goods Damaged in Transit within 5 business days of receipt. Also, take photos upon receipt for proper case documentation. DO NOT return the shipment to BAPI.

PARCEL INSURANCE

All packages ship FOB ORIGIN from BAPI. Insurance can be added to any package at the buyer's expense. Insurance will need to be denoted on the purchase order in order to be added. All charges will be billed at BAPI's negotiated rate and added to the final invoice for payment.



Domestic Shipping Terms & Conditions

BAPI offers ground and expedited shipping options on orders being shipped within the contiguous United States as well as orders to Hawaii, Alaska, Guam and Puerto Rico. We ship at a discounted shipping rate that will be added to the invoice. There will be a \$15 minimum for all orders. BAPI will not bill third party or bill the recipient on a customer's shipping account for domestic shipments. International customers shipping to a freight forwarder within the contiguous United States will qualify for BAPI's discounted shipping rate. Any required additional expedited costs will be added to the invoice. Customers may request a preference for one of BAPI's three preferred carriers: UPS, FedEx, or Speedee. Customers who provide invalid addresses will have additional charges added to their invoice. BAPI's shipping policy is subject to change without notice.

International Shipping Terms & Conditions

International shipping and expedited charges will be at a discounted International shipping rate. International customers whose product ships directly to their location may request to have shipping costs billed to their respective shipping account. International customers shipping to a freight forwarder within the contiguous United States will qualify for a discounted shipping rate.

Payment Terms

NEW ACCOUNTS

Payment terms are prepaid unless an open account is established. A credit application must be submitted for open account consideration. (Please allow up to two weeks for credit approval.)

OPEN ACCOUNTS

Terms are Net 30 days for open accounts.

- To ensure proper credit to your account, the invoice number must appear on your check stub
- Accounts with balances beyond 60 days from the invoice date will be subject to credit hold until the account is brought within 45 days from the invoice date.

In the event that it becomes necessary for BAPI to take legal action to enforce the provisions of this agreement or to obtain redress for the breach of any provision hereof, the buyer shall pay the costs of such action, including reasonable attorney fees. All legal proceedings that arise in any way related to this agreement shall be conducted in a court of competent jurisdiction in Crawford County, Wisconsin.

Pricing

Price of goods sold is that in effect at the time of sale. Contact BAPI Sales for current pricing and discount information. All prices are subject to change without notice and exclude any taxes, shipping and handling charges. BAPI will be pleased to furnish written quotations by email or mail upon request. Quoted prices and conditions are valid until the expiration date on the formal written quote.

Returns

Only new and unused products are considered for credit. All returns must have a BAPI Return Material Authorization (RMA) number. Debit memos will not be accepted without written authorization and an RMA number. Returns resulting from errors by BAPI will not be subject to a restock fee. Any items specified as Non-Cancellable/Non-Returnable (NCNR) are not returnable for credit. Restock fees will be applied as follows:

Continued on next page...

Terms and Conditions

Returns continued...

- Stock items returned within 30 days from the original ship date will not be subject to a restock fee.
- Stock items returned 31 to 180 days from the ship date will be subject to a 25% restock fee.
- Non-stock items are subject to 20% restock fee if returned within 30 days from the original ship date.
- Non-stock items returned 31 to 180 days from shipment will be subject to a 25% restock fee.
- No items will be accepted for return after 180 days.

Warranty

BAPI warrants its products to be free from defects in materials and workmanship, subject to the following terms and conditions. Without charge, BAPI will repair or replace products found to be defective in materials or workmanship within the warranty period and also provide a product credit* to offset the incurred costs to repair or replace them with BAPI products; provided that:

- a. The product has not been subjected to abuse, neglect, accident, incorrect wiring, improper installation or servicing, or used in violation of instructions furnished by BAPI;
- b. The product has not been repaired or altered by anyone except BAPI or its authorized service agencies;
- c. The serial number or date code has not been removed, defaced, or otherwise changed;
- d. Examination discloses, in the judgment of BAPI, the defect in materials or workmanship which developed under normal installation, use and service;
- e. BAPI is notified in advance and the product is returned with a valid RMA number, transportation prepaid.

Unless otherwise specified or agreed to in writing signed by a BAPI officer, BAPI products shall be warranted for five years from the date of sale with clauses "a" through "e" above still applicable**. In addition, there is a lifetime limited warranty on all single point non-room temperature sensors and some room temperature sensors including: Wall Plates, Low Profile, Quantum Slim and the Quantum No Display sensors. Batteries are not covered under warranty.

BAPI will pay the freight for all units being returned to the customer where a defect was found. In the case that no defect was found with the units received, or the defect was determined to be caused by customer error or abuse, the customer will be responsible for the payment of the shipping charge to return the units. The customer will need to supply a FED-EX or UPS account number for shipping charges if units are to be returned. Purchase orders will not be accepted for return shipping. In cases where units are repairable but not covered under BAPI's warranty, customers may elect to have BAPI repair the unit.

The foregoing warranty is in lieu of all warranties, express, implied or statutory, including but not limited to, any implied warranty of merchantability for a particular purpose. BAPI's liability for breach of warranty is limited to repair or replacement. If the goods cannot be replaced, warranty is limited to a refund of the purchase price. In no instance shall BAPI be liable for incidental or consequential damages arising from a breach of warranty or from the use or installation of its products. Under no circumstance does BAPI agree to provide a product credit to repair or replace our product without prior specific written authorization.

No representative or person is authorized to give any warranty other than as set out above or to assume for BAPI any other liability in connection with the sale of its products.

This warranty is limited to the original customer only. It cannot be transferred or assigned to third

Continued on next page...



Warranty continued...

parties unless the intent to transfer to a third party is expressly indicated in a purchase order and/or warranty processing arrangements have been agreed upon in writing by BAPI.

***Product Credit**

BAPI Backed product credits beyond the repair or replacement of the failed product are issued in the form of a product credit only¹. Requests for BAPI Backed product credits must be submitted to BAPI in writing. Under no circumstance does BAPI agree to provide a product credit associated with the repair or replacement of our products without prior specific written authorization from a BAPI officer². BAPI reserves the right to refute or refuse BAPI Backed product credits that do not meet the specified terms and conditions. Please contact BAPI for further details and requirements.

¹Product credits may vary depending on product type and quantity.

²BAPI may refute or refuse product credit requests when it relates to a component vendor issue.

****Warranties**

Recommended product calibration intervals are excluded from the warranty period. Devices that are used frequently or in non-standard environments may require more frequent calibration than what is recommended by BAPI.

Blü-Test rechargeable battery life is excluded from the warranty period. The battery in the Blü-Test products are rated to be recharged 300 times before performance degrades. Batteries can be replaced via BAPI's Blü-Test refurbishment service.

Design and Specifications

BAPI reserves the right to make changes in the design, specifications, and/or support documentation of any product as technological advances or necessity requires without notification. Please contact BAPI for updated product information.

Information in our descriptive literature is based on product specifications that are current at the time of publication. Product specifications, designs and descriptive literature are subject to change as improvements are introduced. Although we announce changes as they occur, we cannot guarantee notification to every customer. BAPI warrants delivered product to conform to the most current specifications, designs and descriptive literature.

Custom Products

In many cases, BAPI products can be modified to meet your custom requirements. Additional charges and longer lead times may apply. Contact your salesperson for a quote on your special requirements.

Certificates of Accuracy & Calibration

NIST Traceable Certificates of Accuracy & Calibration

BAPI offers NIST Traceable Certificates of Accuracy & Calibration for its temperature, humidity and pressure products.

<u>Part Number</u>	<u>Net Price</u>
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CERT-HUM-AMBIENT	\$20.00
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NIST Traceable Certification of Accuracy for Humidity at Ambient – Price includes one point.

CERT-HUM-SPEC	\$50.00
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NIST Traceable Certification of Calibration for Humidity at Specific Points (Customer Specified) – Price includes one, two or three humidity points at one temperature.

CERT-TEMP-AMBIENT	\$20.00
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NIST Traceable Certification of Accuracy for Temperature Sensor at Ambient – Price includes one point.

CERT-TEMP-SPEC	\$50.00
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NIST Traceable Certification of Calibration for Temperature Sensor at Specific Points (Customer Specified) – Price includes one, two or three points.

CERT-PRESS-SR	No Additional Charge
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NIST Traceable Certification of Accuracy for Pressure – All Standard Ranges verified at one point.

CERT-PRESS-SPECIFIC	\$50.00
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NIST Traceable Certification of Calibration for Pressure at Specific Points (Customer Specified) – Price includes one, two or three points.

CAL-420CO-AMBIENT	\$50.00
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Calibration of BAPI's Carbon Monoxide Sensor (BA/420CO) at ambient temperature.

All prices are **NET**. Multipliers do not apply to certificate pricing. For information on special requests and pricing on Certificates with more than three points, please call your BAPI Key Account Specialist.



