



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



Specifications

Battery Power: One included 3.6V 14505, 14500 or equivalent lithium battery (Note: Standard AA batteries are not compatible)

Sensor Accuracy:
Temp: $\pm 1.25^{\circ}\text{F}$ (0.7°C) from 32 to 158°F (0 to 70°C)
Humidity: $\pm 2\% \text{RH}$ @ 77°F (25°C), 20 to 80%RH

Temperature Range: -4 to 221°F (-20 to 105°C)

Transmission Distance: Varies by application*

Environmental Operation Range:

Temp: -4 to 149°F (-20 to 65°C)
Humidity: 10 to 90% RH, non-condensing

Frequency: 2.4 GHz (Bluetooth Low Energy)

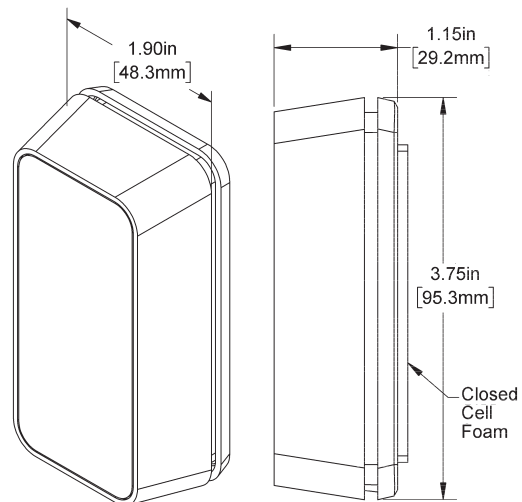
Receiver Sensitivity: -97 dBm

User Adjustable Settings:

Delta T (Temp): 0.1°F/C to 5.0°F/C
Delta T (Humidity): 0.1%RH to 5.0%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: 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)
30 sec	30 sec	0.58
1 min	1 min	1.04
3 min	1 min	2.03
5 min	5 min	3.02
10 min	5 min	4.01





Ordering Information

BA/WTH-BLE-QS-B-IS-BAT

Black Wireless BAPI-Stat “Quantum Slim”, Internal Temp/Humidity Sensor, Battery Power

BA/WTH-BLE-QS-W-IS-BAT

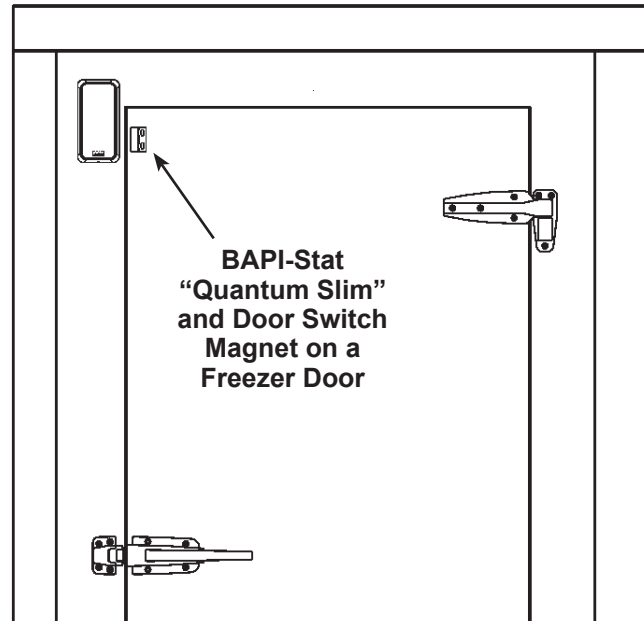
White Wireless BAPI-Stat “Quantum Slim”, Internal Temp/Humidity Sensor, Battery Power

BA/LI14505: 3.6V Lithium Battery

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**

BA/DSM Door Switch Magnet

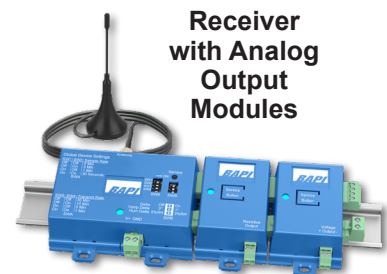
Note: Use only the BAPI Door Switch Magnet. Other magnets may damage the sensor or affect the accuracy of the sensor.



Associated Receiver and Output Modules

RECEIVER - Collects the data from up to 28 wireless sensors and transfers the data to the Analog or Digital Output Modules for integration into the BAS.

DIGITAL AND ANALOG OUTPUT MODULES - The BACnet IP Module converts the data from up to 28 sensors for integration into the management level BACnet IP network. The BACnet MS/TP or Modbus RTU Module converts the data from up to 28 sensors for integration into the field level BACnet or Modbus Network. The Analog Output Modules convert the sensor data to a voltage or resistance for the controller analog inputs.



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/>

