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 to 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

Specifications

Supply Power:
15 to 24 VDC, from halfwave 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:
4,000 feet (1,200 meters)

Environmental Operation Range:
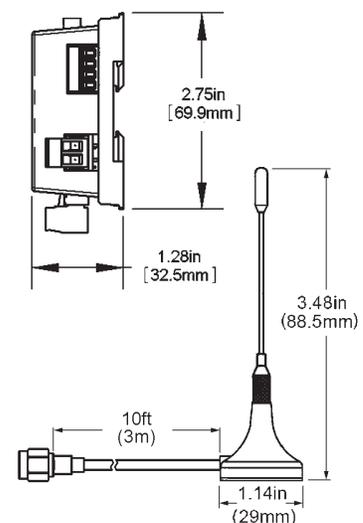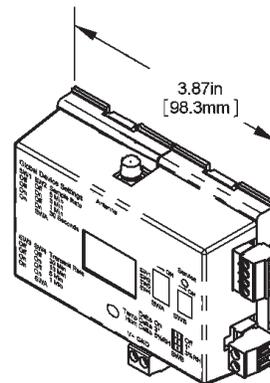Temp: 32 to 140°F (0 to 60°C)
Humidity: 5 to 95% RH non-condensing

Enclosure Material & Rating:
ABS Plastic, UL94 V-0 (Indoor use only)

Agency:
RoHS | Contains FCC ID: QOQGM210P | IC: 5123A-GM210P

3.87in [98.3mm]

2.75in [69.9mm]

1.28in [32.5mm]

3.48in (88.5mm)

10ft (3m)

1.14in (29mm)

*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.

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

Ordering Information

PART NUMBER	List Price
BA/RCV-BLE-EZ... Wireless Receiver..	$300

Associated Sensors

BAPI has a suite of wireless Bluetooth Low Energy temperature and humidity sensors.

The suite includes a BAPI-Stat "Quantum" unit for rooms, and IP66, NEMA 4X units for outside air, ductwork and pipes. BAPI also offers an NSF-certified sealed food probe, and a thermobuffer sensor for freezers and coolers.

Sensors

Associated Output Modules

• **BACnet IP Module** - Converts the data from up to 28 sensors for integration into the management level BACnet IP network.

• **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.

• **Analog Output Modules** - Convert the sensor data to a voltage or resistance for the controller analog inputs.

BACnet IP Output Module

BACnet MS/TP or Modbus RTU Module

Analog Output Module

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/**