Optergy Air

Optergy Air Transceiver (BG-1000)

The Optergy Air transceiver is used to facilitate communication between the Optergy P864 controller and the Optergy Air wireless sensor range. Simple to install and use, you'll be measuring and communicating environmental metrics with the snap of a finger.

OVERVIEW

We remove the complexity of connecting and integrating your air quality data. The Optergy Air range uses a transceiver and sensor pair that communicates the required environmental information. Used in conjunction with the Optergy P864, we give you a one-stop-shop to easily collect all your information whether you're working onsite or remotely.

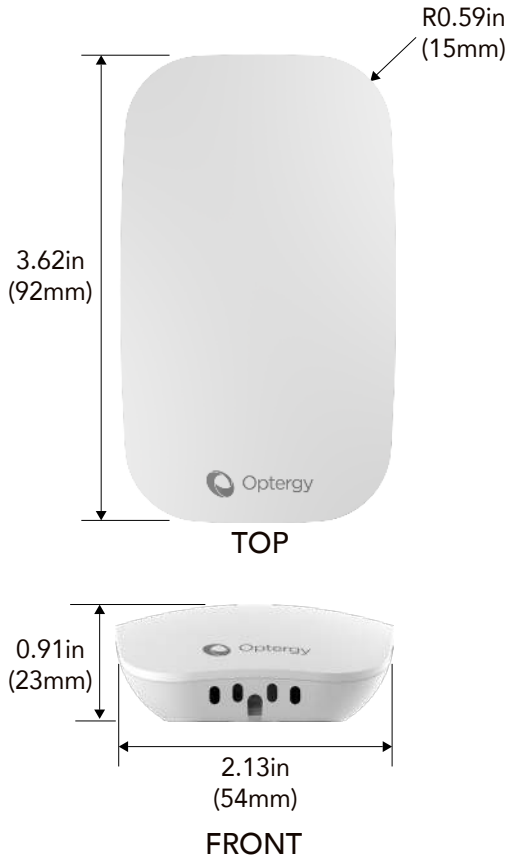
Quick & Easy Connection

Reliable & Accurate Communication

HARDWARE SPECIFICATIONS

UL Classification	Operating Control Independently Mounted Control
Circuit Type	For use in Class 2 Circuit only
Pollution Degree Rating	Pollution Degree 2
Data Interval	5 seconds (Temperature & Humidity)
Radio Frequency	2.4 GHz
Working Voltage	24 VDC
Working Current	Average < 50 mA
Standby Current	< 10 mA
Rated Impulse Voltage	330V
Scope of Application	Indoor use, UL Enclosure Rating Type 1
Maximum Cable Length	100 feet (30 meters)
Working Temperature	-4°F to 140°F (-20°C to 60°C)
Transmission Distance	up to 100 feet indoors (30 meters) up to 164 feet outdoors (50 meters)
Dimensions	W 3.7in (95mm) x L 2.2in (55mm) x H 1in (25mm)
Weight	0.13 pounds (60 grams)
Model Number	BG-1000 (Transceiver)
Ratings	CE FC c UL us LISTED E507611
Country of Origin	Australia

DIMENSIONS



UL, FCC & CE: This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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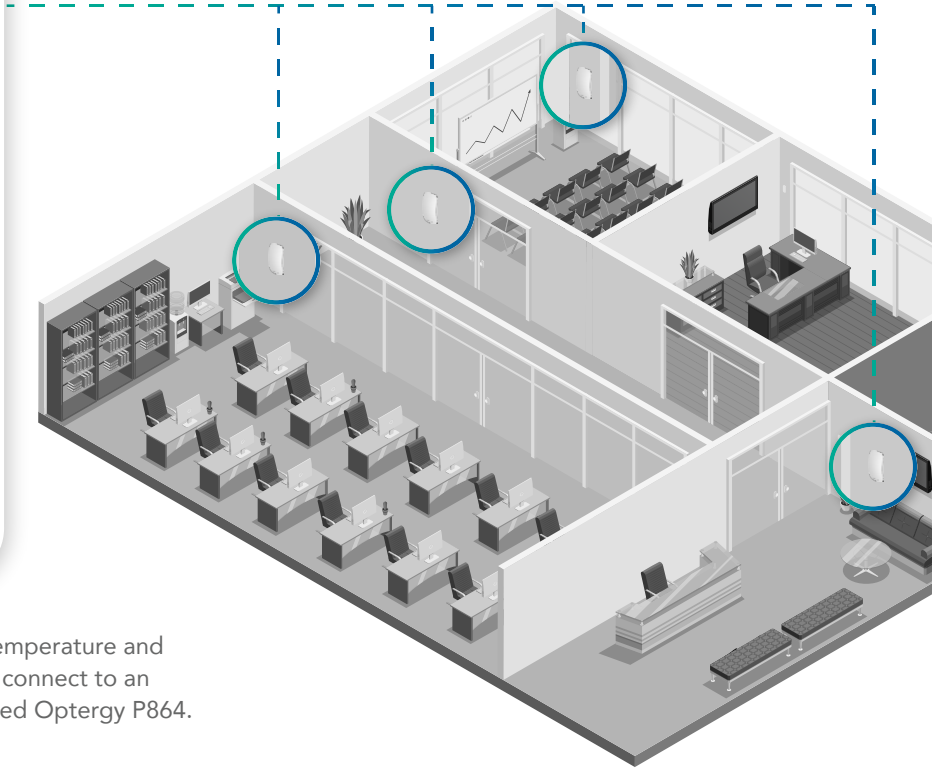


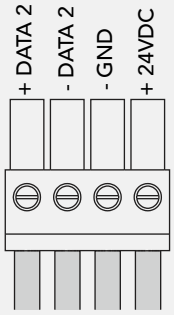
One transceiver (BG-1000) is required per one wireless temperature and humidity sensor (BW-TH). The BW-TH uses a BG-1000 to connect to an Optergy P864. Its datapoints then belong to the connected Optergy P864.

BACNET POINTS

The sensor points are instantiated by the Optergy P864. This means that the BACnet values will be what the device instance is of the Optergy P864 which will have reserved points for the wireless sensors. These points include:

- Temperature Value (Deg F or Deg C)
- Humidity Value (%rH)
- Battery Level (%)
- Low Battery Level Warning
- Sensor Online
- Sensor Detected

WIRING



Recommended wire size 28AWG - 16AWG.

View the Optergy Air Transceiver Installation Guide >

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