

GREENBUS SENSORS

EN-SCPPH-0450-GB2 / EN-SCPPH-1500-GB2 / EN-SCPPH-HB-GB2

Three different lens options for a variety of coverages

Wired Greenbus communication



Multiple mounting options



DESCRIPTION

The GBS (GreenBus™ Wired Sensors) family of ceiling/surface mount sensors provides a range of networked sensor solutions for applications with finished ceilings (e.g. ceiling tiles, sheet rock, plaster). They combine Passive Infrared (PIR) and Photocell sensing in a single compact form factor.

The GBS family is available with several lens options, providing flexibility for multiple mounting heights and coverage pattern requirements.

This sensor family easily connects to the Wattstopper PLUS System through a GreenBus cable with standard 2-pin connectors, and feature tool-less mounting options for easy installation, and provides masking options to maximize control flexibility.

FEATURES

- Available in three coverage options — 42 sq m (450 sq ft), 140 sq m (1,500 sq ft), and high-bay option.
- Multiple mounting options available including magnetic mount on T-bar.
- Enables contractors to quickly test wired installations.
- Configurable time delay through Polaris Config Software (Minimum 5 minutes).

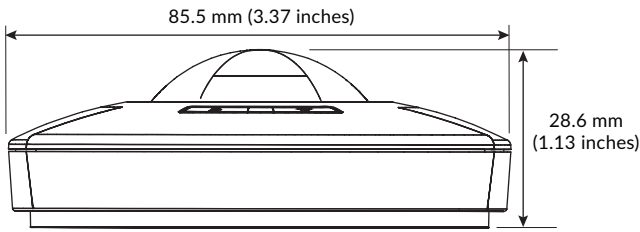
SPECIFICATIONS

- Voltage: 22.5 VDC, supplied by GreenBus
- Current Consumption: 3mA
- Lens Types: Standard Range, Extended Range, High Bay
- Operating Temperature
 - Standard Range & Extended Range: 32° to 104°F (0° to 40°C)
 - High Bay: 32° to 140°F (0° to 60°C)
- Relative Humidity: 0% to 95%, non-condensing
- Weight: 81 g (2.8 oz)
- Certifications
 - UL/CUL listed under UL916
 - FCC Part 15/ICES-003
 - FCC, RoHS
 - Meets ASHRAE Standard 90.1 and CEC Title 24 requirements
- 5 year warranty

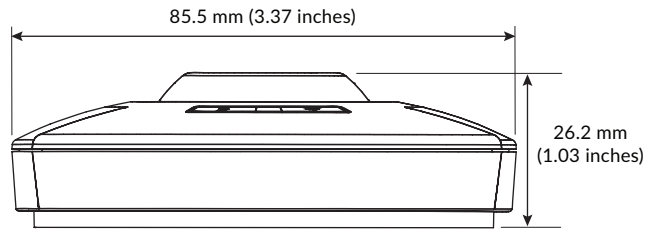
PROJECT		LOCATION/ TYPE	
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DIMENSIONS

Standard Range Sensor

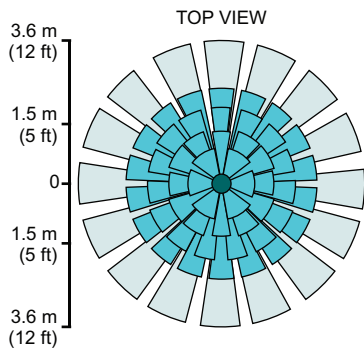


**Extended Range Sensor
High-Bay Sensor**

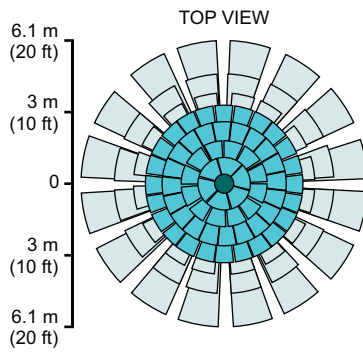


SENSOR COVERAGE

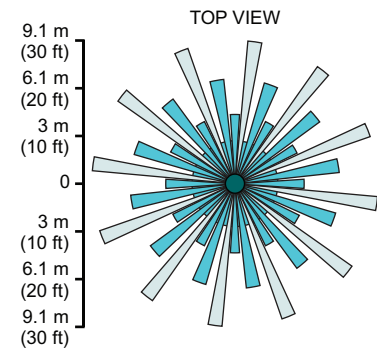
EN-SCPPH-0450-ZB



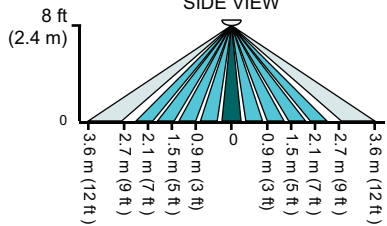
EN-SCPPH-1500-ZB



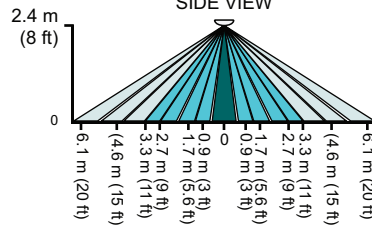
EN-SCPPH-HB-ZB



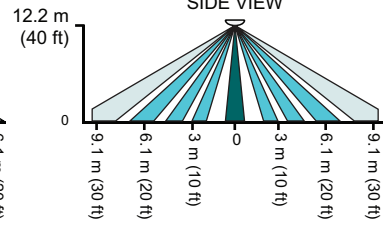
**Standard Range Sensor
SIDE VIEW**



**Extended Range Sensor
SIDE VIEW**



**High-Bay Sensor
SIDE VIEW**

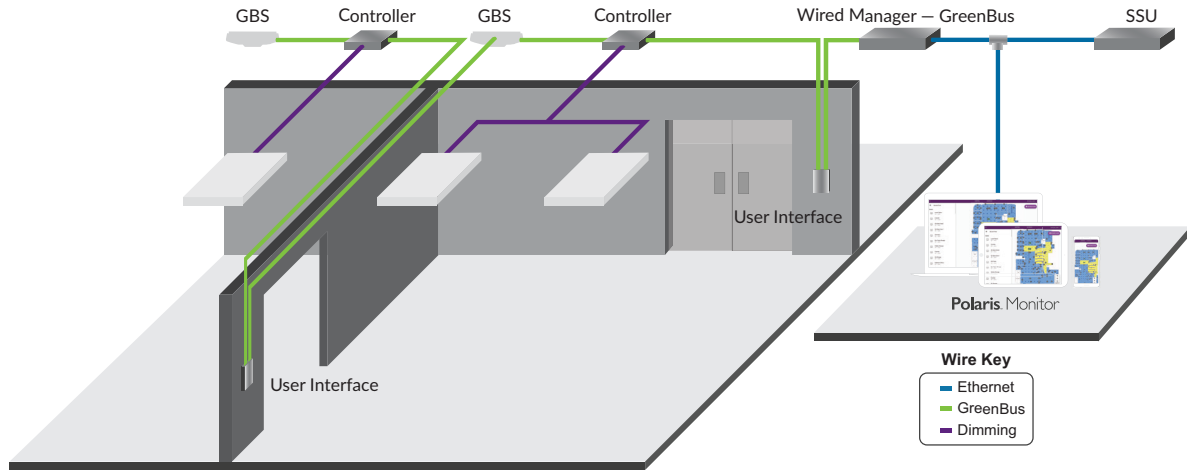


High Bay Coverage

Mounting Height	Coverage
6 m (20 ft)	102 m ² (~1,100 ft ²)
9 m (30 ft)	167 m ² (~1,800 ft ²)
12 m (40 ft)	260 m ² (~2,800 ft ²)

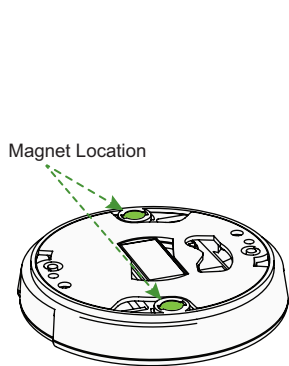
SYSTEM OVERVIEW

GreenBus technology makes wiring fast and error-free, since it's intuitive to install.

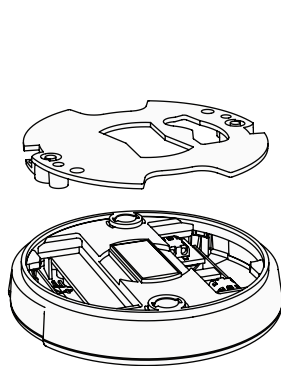


MOUNTING

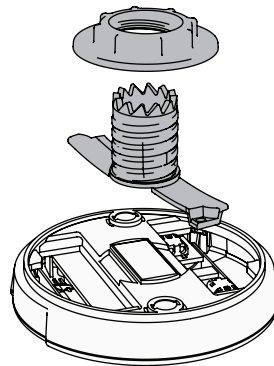
Magnetic Mount



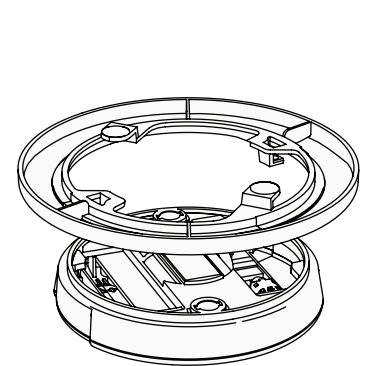
Surface Mount



Ceiling Tile Mount

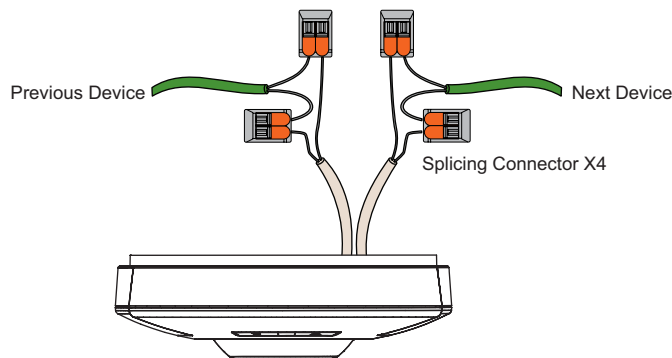


Junction Box Mount



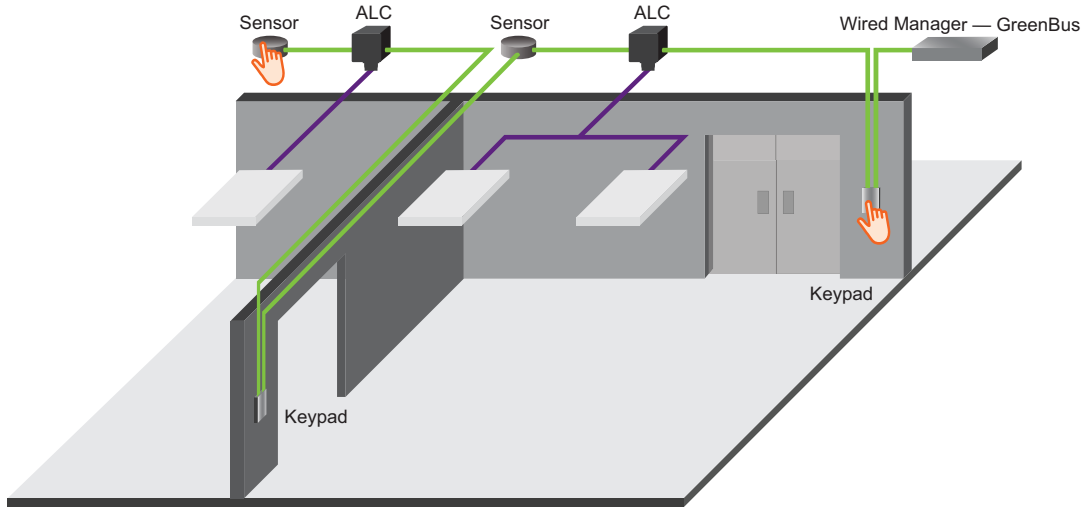
Ceiling Tile Mount and Junction Box Mount require optional mounting kit (sold separately).

WIRING



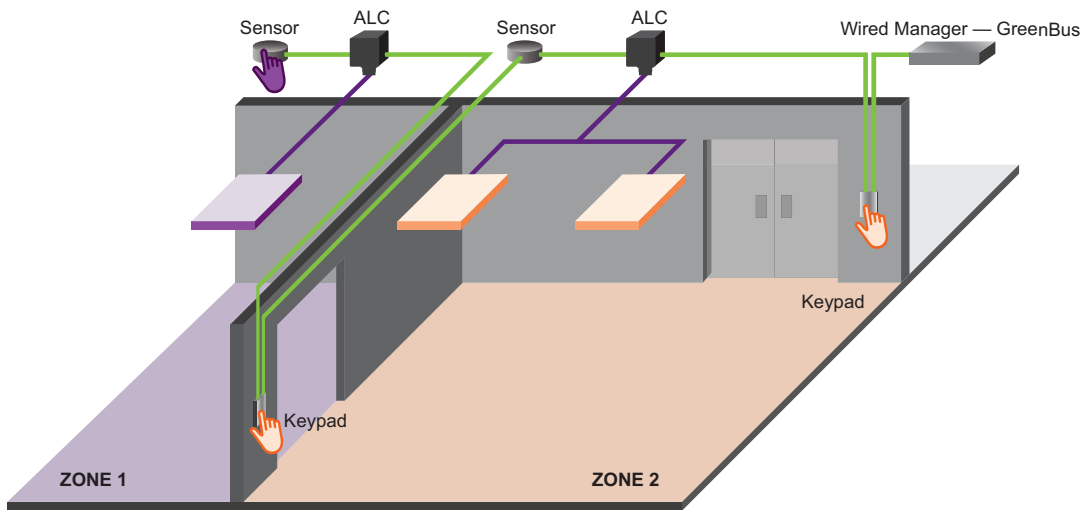
INSTALLATION TESTING

If a GreenBus Manager has not been previously commissioned, installers can quickly test if the devices have been wired correctly by pressing any button on the wallstation or the sensor which triggers all the load controllers on the channel to change the dimming level by 25%. Every press will trigger this function to enable testing of the AC line wiring, dimming wiring and communication integrity over the GreenBus lines.



MANUAL PAIRING

If a GreenBus Manager has not been previously commissioned, installers can easily pair devices in a room or a zone to gain manual control (on, off and dimming) and occupancy time outs. Holding any buttons on a wallstation or sensor for 10 seconds enters the system in the Manual Pairing mode. The system then guides the user by blinking the load controllers on the GreenBus wiring scheme as a means of identifying and pairing them to the wallstation or sensor.



ORDERING INFORMATION

Catalog #	Description	Communication Network
EN-SCPPH-0450-GB2	GreenBus Sensor, Standard Range	Wired GreenBus
EN-SCPPH-1500-GB2	GreenBus Sensor, Extended Range	Wired GreenBus
EN-SCPPH-HB-GB2	GreenBus Sensor, High Bay	Wired GreenBus
EN-SCPPH-MK-ZB	Ceiling Mount Kit	N/A