Wattstopper® PLUS

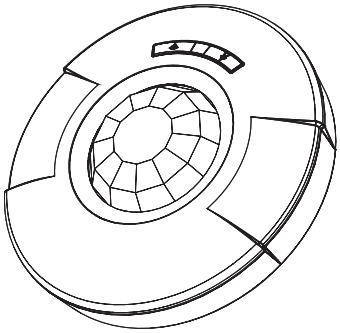
Wired Ceiling Mount Passive Infrared and Photocell Sensors

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

No: 080442 – 02/26 rev. 4

Catalog Numbers • Les Numéros de Catalogue • Los Números de Catálogo: EN-SCPPH-0450-GB2, EN-SCPPH-1500-GB2, EN-SCPPH-HB-GB2, EN-SCPPH-0450-GB2-BK, EN-SCPPH-1500-GB2-BK

Countries of Origin: Canada • Pays d'origine: Canada • Países de origen:Canadá



SPECIFICATIONS

Voltage .....22.5 VDC, supplied by GreenBus
Current Consumption 3mA
Lens Types
- EN-SCPPH-0450-GB2 ..... High Density
- EN-SCPPH-1500-GB2 ..... Long Range
- EN-SCPPH-HB-GB2 ..... High Bay

Operating Temperature
- High Density & Long 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
Certifications
- UL/cUL listed under UL916.
- FCC Part 15/ICES-003
- RoHS Compliant
- Meets ASHRAE Standard 90.1 and CEC Title 24 requirements

DESCRIPTION

The Wattstopper PLUS GreenBus (GB2) wired ceiling mount sensors collect occupancy and daylight information from a lighted space. Three different lens options are available for a variety of coverage patterns. Multiple mounting options are available.

The sensor is available in three models:

- High Density
- Long Range
- High-Bay

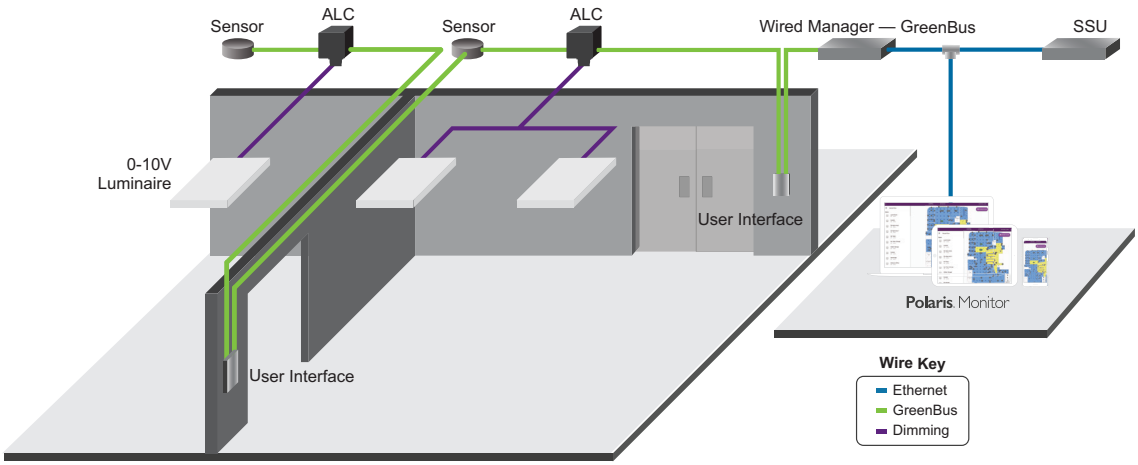
PRODUCT SAFETY

When using electrical equipment, basic safety precautions should always be followed, including the following:

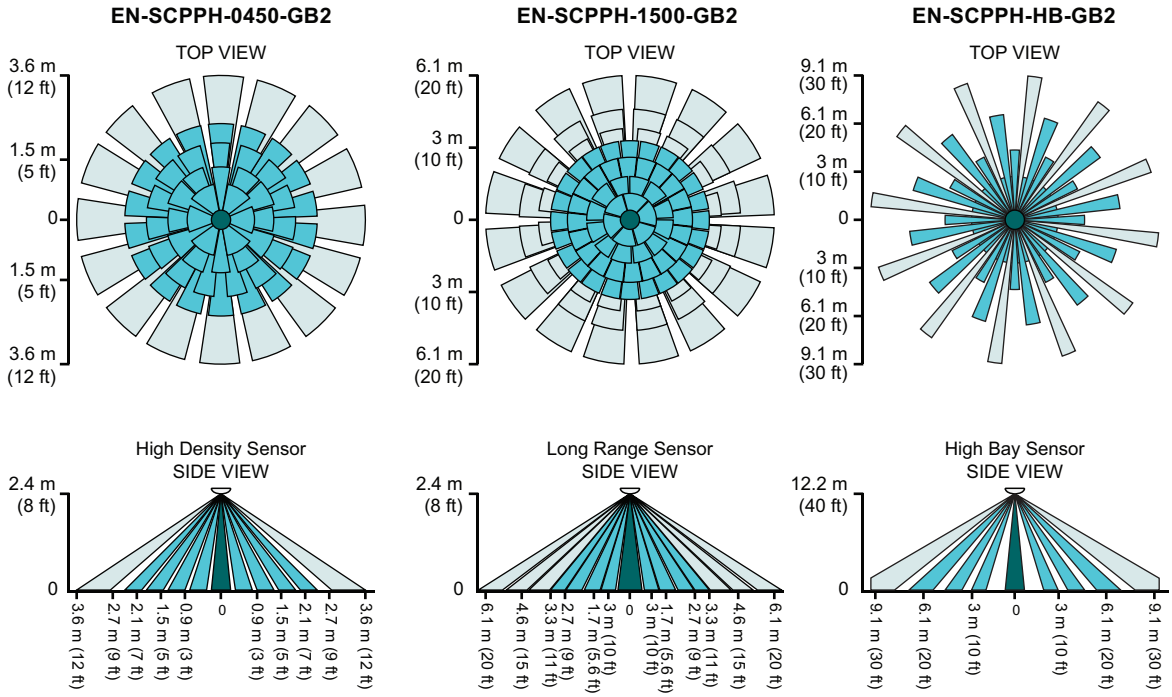
- Do not mount near gas or electric heaters or let power supply cords touch hot surfaces.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by Legrand as it may cause an unsafe condition.
- Do not use this equipment for other than the intended use.

WIRED SYSTEM OVERVIEW

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



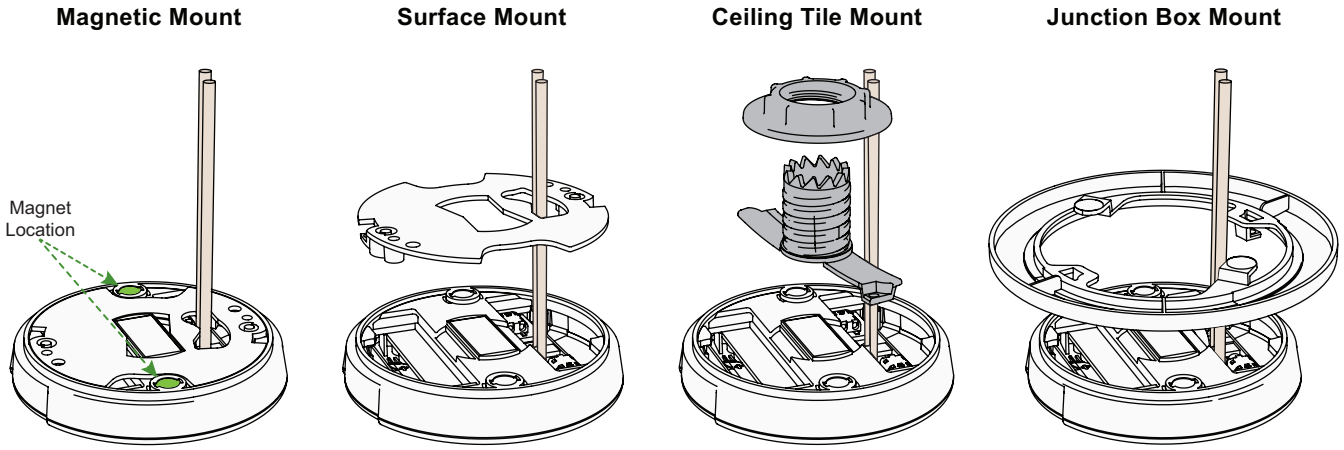
SENSOR COVERAGE



MOUNTING

Do not install the sensors in damp locations. The sensor provides a 360˚ coverage pattern. Legrand recommends that the sensor be installed more than 4 ft. (1.2m) away from air vents.

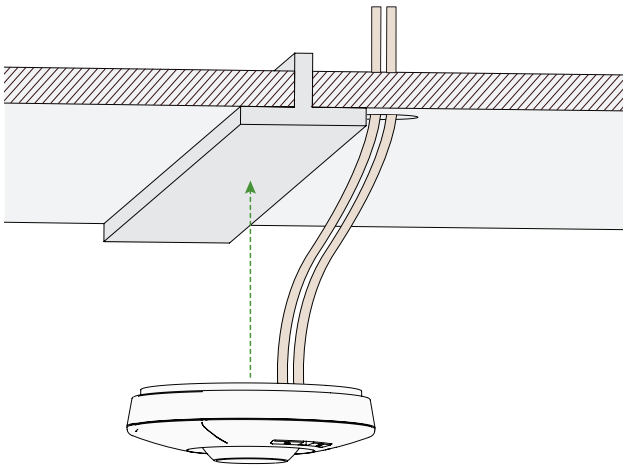
The sensor can be mounted in a variety of ways depending on the type of ceiling.



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

Magnetic Mount

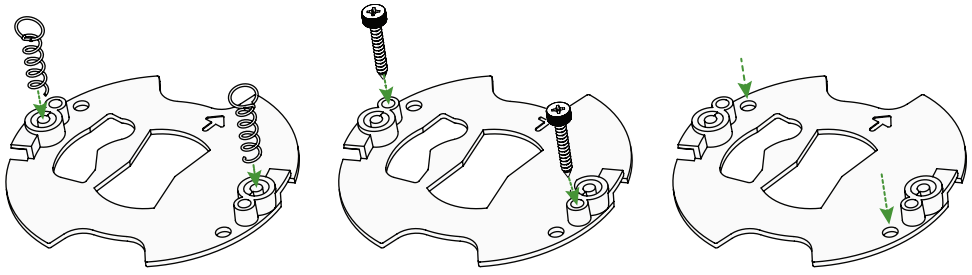
Magnets have been incorporated into the sensor allowing the device to be affixed to a metallic ceiling surface (metal plate, drop-ceiling T-bar, etc).



Surface Mount

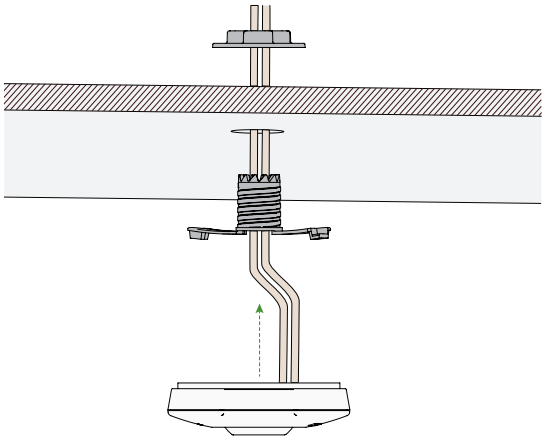
The sensor mounting plate may be installed directly to a ceiling surface (ceiling tile, drywall ceiling, etc). There are several screw options available to affix the sensor directly to ceiling surfaces.

After threading the wires from the sensor though the opening in the mounting plate, attach the sensor to the mounting plate by lightly rotating the sensor clockwise until it snaps in with the mounting plate.



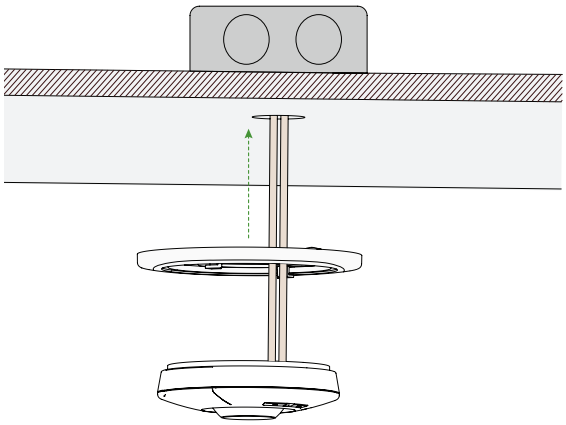
Ceiling Tile Mount

Ceiling Tile Mount requires the optional Ceiling Mount Kit (sold separately) See Ceiling Mount Kit installation instructions for more info.



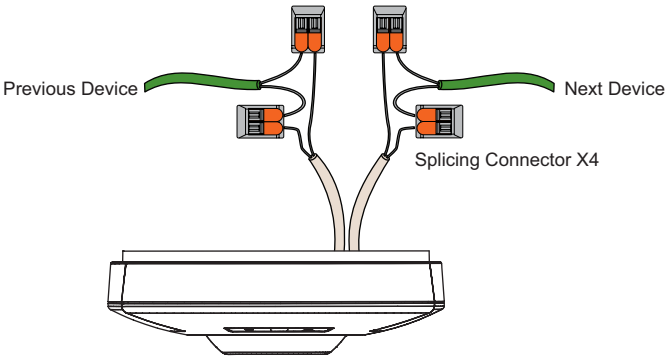
Junction Box Mount

Junction Box Mount requires the optional Ceiling Mount Kit (sold separately) See Ceiling Mount Kit installation instructions for more info.



WIRING

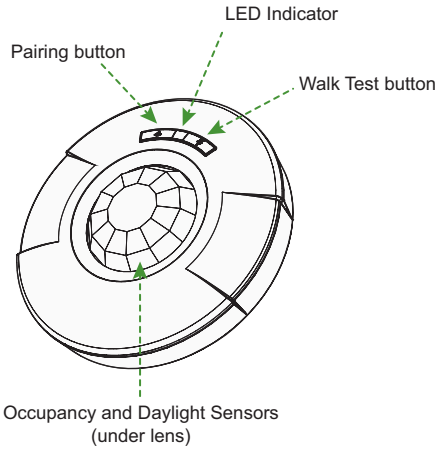
Terminal blocks are pre-wired on the wires out of the box and are wired as shown.



SENSOR FEATURES

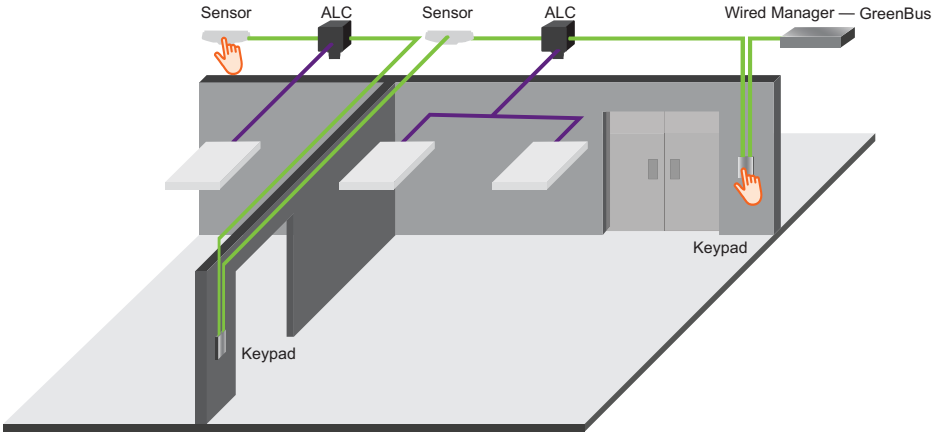
To check the sensor's detection of movement, press and hold the **Walk Test** button for 3 seconds to enter Walk Test mode. The LED will become solid ON, and turn off if there is no motion detected.

Press and hold the **Pairing** button for 6-9 seconds to enter Manual Pairing mode.



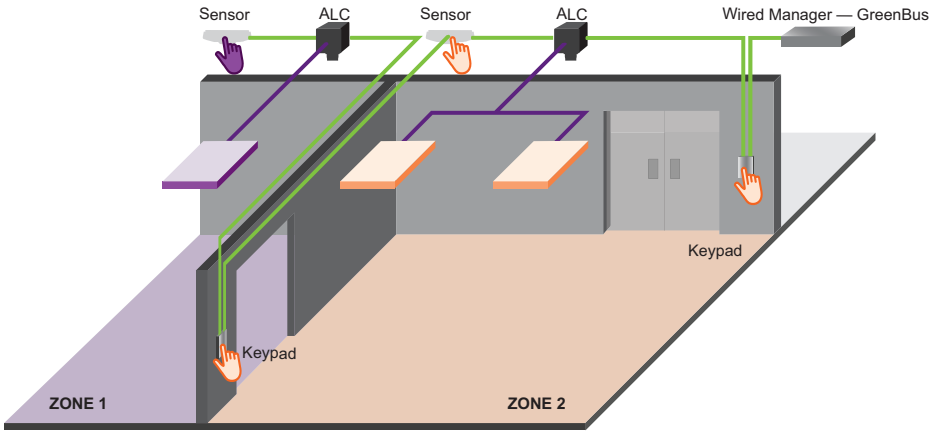
INSTALLATION TESTING

Installers can quickly test if the devices have been wired correctly (pre-commissioning) 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

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 button on a wallstation or sensor for 6–9 seconds enters the system in the Manual Pairing mode. The system then guides the user by blinking the load controllers on the GreenBus wiring as a means of identifying and pairing them to the wallstation or sensor.

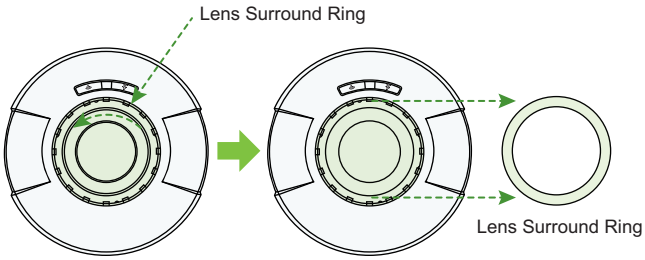


INSTALLING A MASK

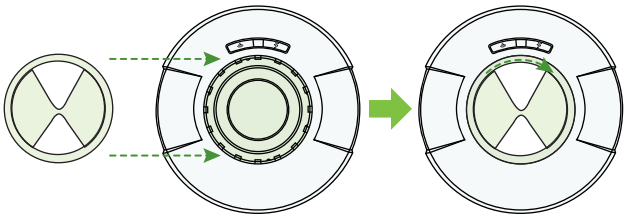
The sensor ships with three optional masks, providing the ability to limit coverage areas, in hallways, multi-use environments, or other situations. Two of the masks are designed for specific patterns. On the third mask everything is blocked out. On the bottom-side of the plastic it has segments with grooves which can be broken off to make a custom mask.

1. Remove the ring (lens surround) from the sensor assembly by rotating the ring counterclockwise.
2. Place the supplied mask and rotate clockwise until it latches.

Remove the Ring



Install the Mask



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