

SENSOR INTERFACE MODULE

EN-SIM-AI/SPS-GB2-BK

Junction Box Mount

GreenBus Wired
Communication



Class 2 Low Voltage
Device

DESCRIPTION

The SIM (Sensor Interface Module) provides an interface between sensors such as occupancy and photosensors to the GreenBus communication network.

The SIM automatically detects and adjusts itself to the type of sensor it is wired to (i.e. photo sensor or occupancy sensor) and establishes two-way communication between the Wired Manager — GreenBus and itself. Individually addressable, the SIM enables each sensor to be independently configured to best meet the needs of the facility.

A damp-rated SIM is available for installations in interior locations subject to moderate degrees of moisture. Examples of this type of environment may include basements, above-ground parking garages, barns, and cold-storage warehouses as well as partially protected locations under canopies, marquees, and open-roofed porches.

FEATURES

- Suitable for luminaire or junction box mounting in standard Pg-7 (0.5 inch) trade-size knockout (Ø 0.034 mm / 0.875")
- Connects to the Wattstopper PLUS System via GreenBus communication cable
- Automatically detects and adjusts itself to the type of sensor it is connected to
- Acts as a single dry contact input for interfacing with third party systems like Fire Alarm, Security, etc.
- Automatically addressed as soon as it is connected to a GreenBus Manager

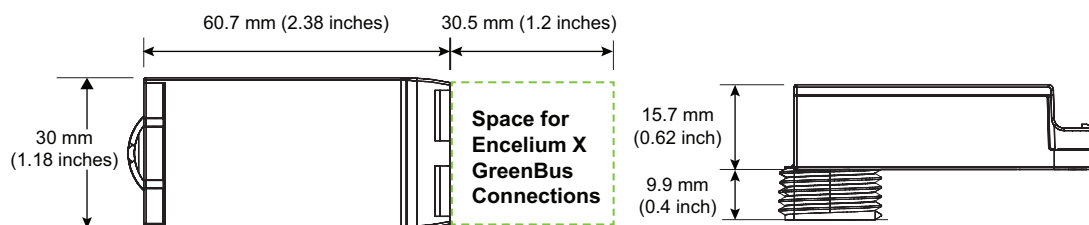
SPECIFICATIONS

- Power Voltage, Input: 22.5 VDC, supplied by GreenBus
- Power Voltage*, Output: 12 VDC
- Sensing Voltage: 12-24 VDC
- Operating Temperature: -40° to 140°F (-40° to 60°C)
- Weight: 65 g (2.3 oz)
- Certifications
 - UL 2043 Plenum Rated
 - UL/CUL listed under UL916. Intended for Indoor Locations
 - FCC Part 15/ICES-003
 - Complies with Electromagnetic Compatibility (EMC) Standards: EN 61000-4-2 EN 61000-4-4, EN 61000-4-5
- 5 year warranty

* For 24V sensors incompatible with 12V power, a 24V supply should be used to power the sensor. See Wiring section for more details.

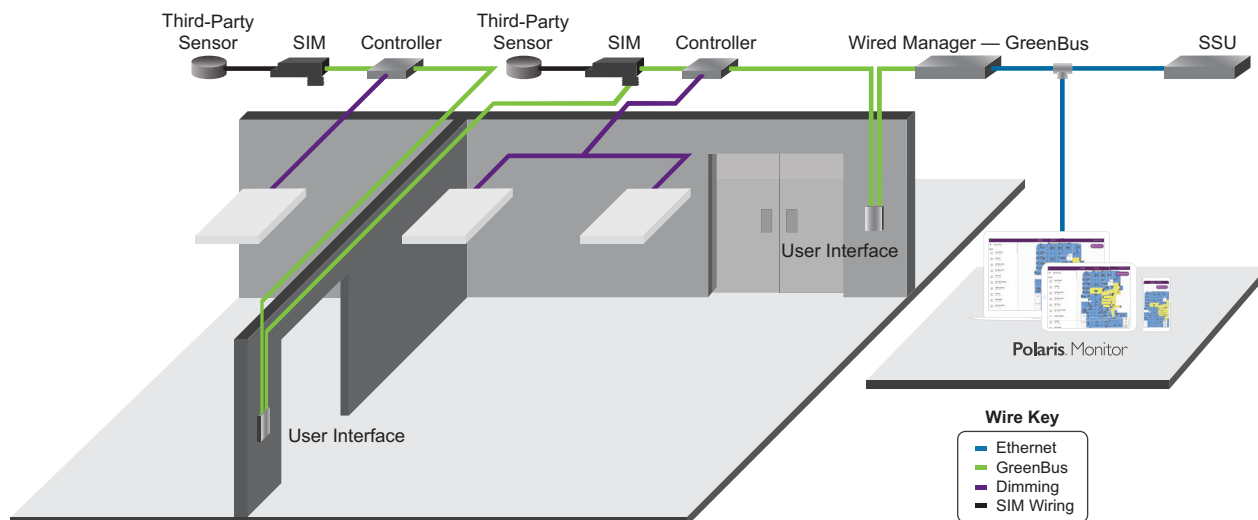
PROJECT		LOCATION/ TYPE	
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DIMENSIONS

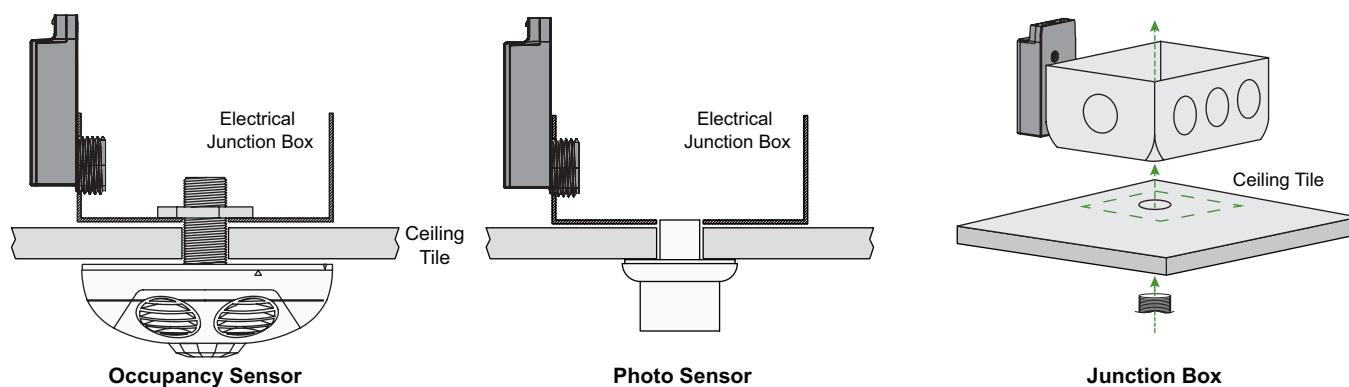


SYSTEM OVERVIEW

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



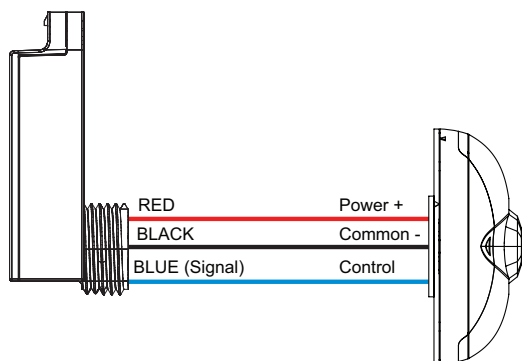
MOUNTING



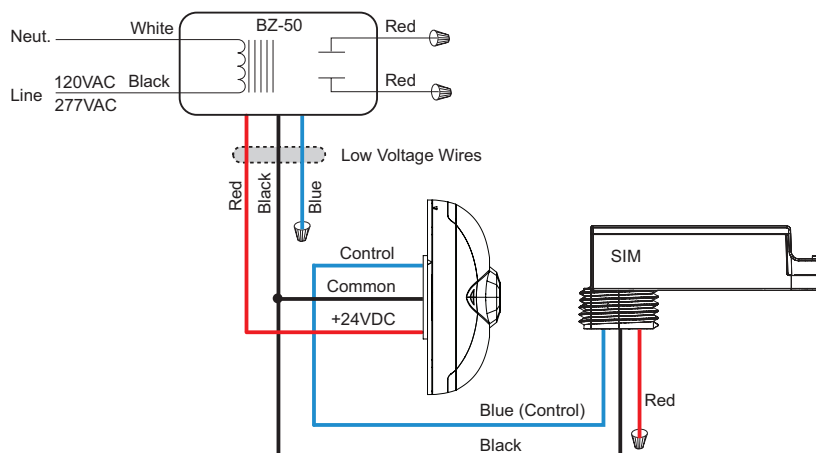
WIRING

Most devices can be wired directly to the SIM. For devices that require an operating voltage higher than 12V, power should be provided from a BZ series power pack.

Occupancy Sensor

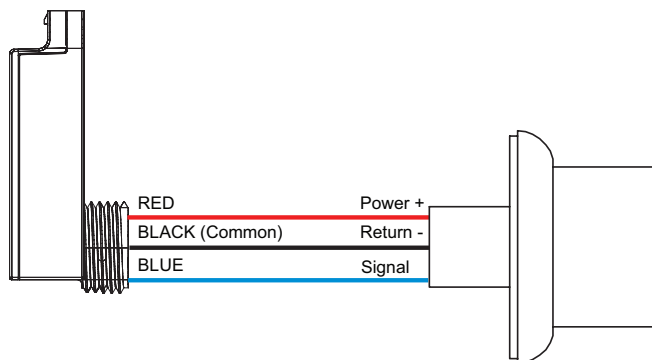


Occupancy Sensor with Power Pack

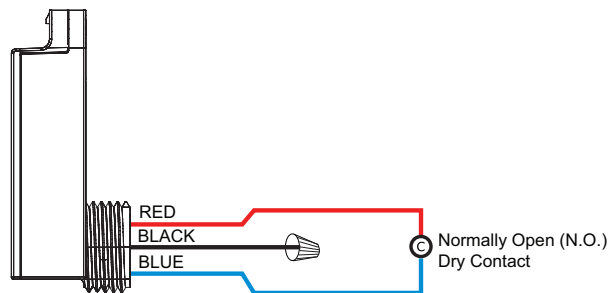


NOTE: BZ-50 shown. For another model such as the BZ-150 or BZ-200, cap any additional low voltage wires.

Photo Sensor



Contact Closure



ORDERING INFORMATION

Catalog #	Description	Communication Network
■ EN-SIM-AI/SPS-GB2-BK	Sensor Interface Module	Wired GreenBus
■ EN-SIM-AI/SPS-GB2BKDR	Sensor Interface Module, damp rated	Wired GreenBus

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