

LOW VOLTAGE, CASAMBI ENABLED HALLWAY OCCUPANCY SENSOR



CODE: OS-LV-CR-CB-PI-CPH

FEATURES

- Digital Passive Infrared (PIR) Detection
- Hallway (Long Range) Coverage Pattern
- Wirelessly Communicates on Casambi Bluetooth Mesh Networks
- Five Contractor Friendly Mounting Methods
- Mounting Nipple Attachment with Integrated Hole Saw

SPECIFICATIONS

ELECTRICAL

OPERATING VOLTAGE
12-24 VAC/VDC

CURRENT DRAW
15mA

Requires Power Pack sold separately.

WIRELESS (CASAMBI) RANGE

Up to 150' w/o obstructions

FREQUENCY / STANDARD
2.4 MHz / Bluetooth 4.0

WIRELESS PAIRING
Configured in Casambi app.

PHYSICAL

SIZE:
2.875" H x 2.75" W x 3.25"D
(7.30 x 6.98 x 8.25 cm)
WEIGHT: 4.75 oz.

ENVIRONMENTAL

OPERATING TEMP
32°F to 122°F (0°C to 50°C)

RELATIVE HUMIDITY
0-95% Non-Condensing,
Indoor Use Only

OVERVIEW

These sensors utilize the latest passive infrared technology and digital signal processing techniques to provide unmatched detection performance. Available to mount to a wall, corner, junction box, or conduit.

Sensors detect movement in the infrared energy that radiates from occupants as they move within the devices field-of-view. Changes in the occupancy status of the sensor are wirelessly communicated over the Casambi bluetooth mesh network to Casambi enabled fixtures and load controllers in order to turn on lighting. All time delays and operational modes are maintained by the load controller(s) and configured with the Casambi App available for iOS and Android devices.

APPLICATIONS

A single sensor may provide sufficient coverage in many spaces, however, multiple low voltage sensors can be easily wired together to provide improved coverage for large or irregular shaped spaces.

- Classrooms
- Open Areas
- Conference Rooms
- Hallways & Corridors
- Large Offices
- and more

CASAMBI

ACCESSORIES:

OSA-T-CM Ceiling Sensor Trim Ring for Mounting to Single Gang Mudring, Handy Box, or 4" Octagon Box.

Requires power pack sold separately.



APPLICATION DIAGRAM

CASAMBI - ENABLED FIXTURES



CASAMBI-ENABLED SENSOR



CASAMBI - ENABLED FIXTURES

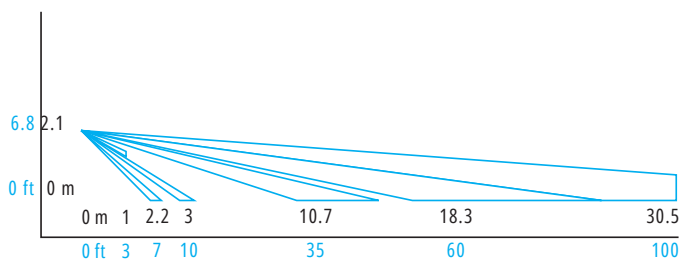


COVERAGE PATTERN

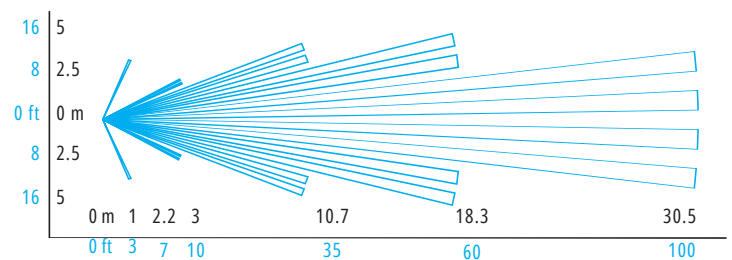
HALLWAY (LONG RANGE) PASSIVE INFRARED (PIR)

Designed for 8 to 12 ft (2.44 to 3.66 m) high mounting
Large motion (e.g., walking) detection up to 100 ft (30.48 m)
Detection occurs sooner when crossing coverage beams upon entry to a hallway as opposed to entering from the end and walking directly at the sensor

SIDE VIEW

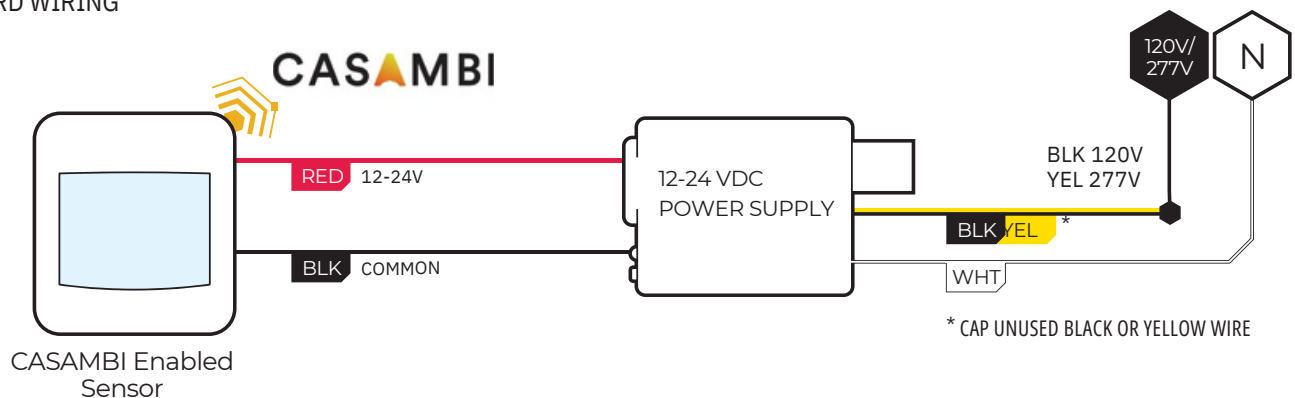


TOP VIEW

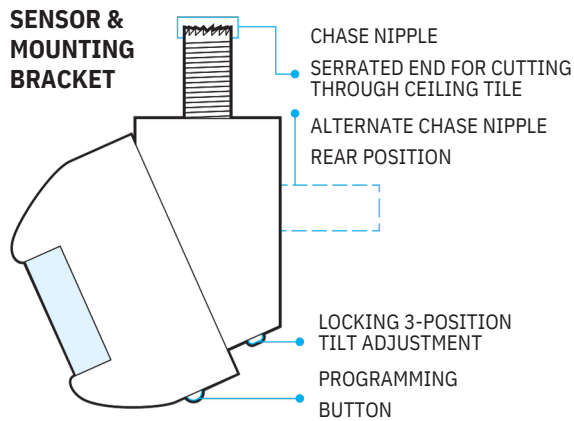


WIRING

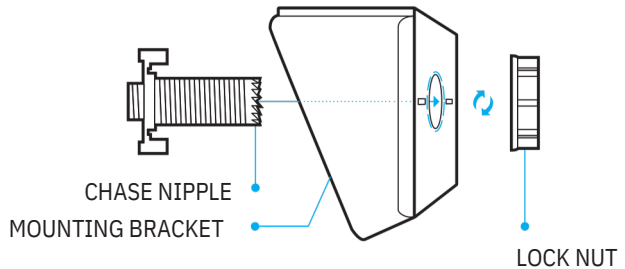
STANDARD WIRING



INSTALLATION OPTIONS

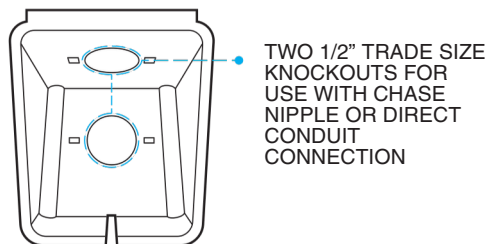


REAR INSTALLATION

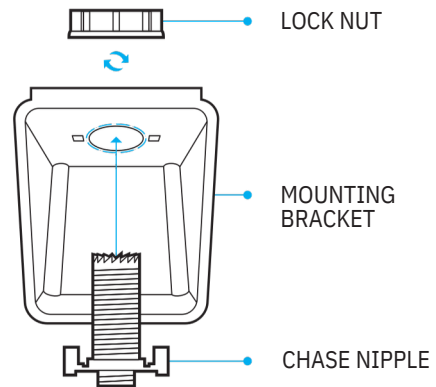


TOP INSTALLATION

MOUNTING WITH CHASE NIPPLE RECOMMENDED



CHASE NIPPLE & LOCK NUT INCLUDED FOR MOUNTING TO CEILING TILE OR 1/2" KNOCKOUT IN JUNCTION BOX



ADDITIONAL MOUNTING METHODS

