

## CBU-PIR

### Casambi Occupancy and Daylight Sensor

- // Mains-powered sensor for Casambi applications
- // No switch line cabling needed, only mains
- // Wirelessly programmable via Casambi app, to operate as presence detector, absence detector, or both
- // IP20/IP54 Ceiling/surface mount box in black or white available as an option
- // Passive infrared (PIR) technology
- // 5 year warranty
- // Low-bay flat lens detection pattern for single occupant
- // Optional inserts for varying detection angles
- // Screw terminals
- // Cable clamps included



Recessed

Surface Mount

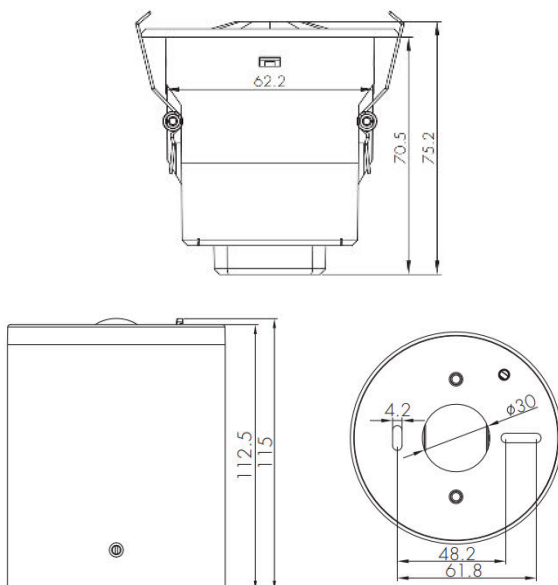
### Construction

The CBU-PIR motion sensor is a reliable and efficient device that offers a convenient solution for monitoring motion in indoor settings. Its Bluetooth technology allows for seamless connectivity to other Casambi devices, while its standalone feature ensures that it can function without the need for additional switching hardware.

This motion sensor is particularly well-suited for use in office, classroom, healthcare, and other commercial areas where motion detection is necessary for security, safety, or energy management purposes.

The sensor can be conveniently managed and configured via the Casambi app.

### Dimensional Drawings

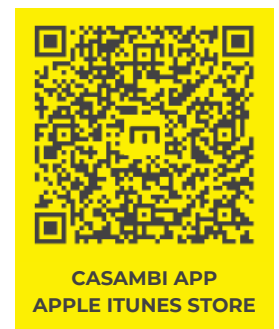
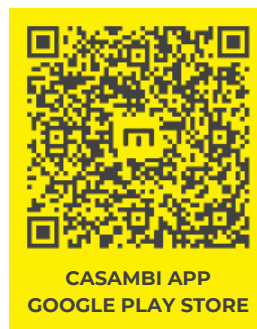


| Product Code | Colour | Cutout (mm) | Installation Height |
|--------------|--------|-------------|---------------------|
| CBU-PIR      | White  | 66-68mm     | Up to 6m            |
| CBU-PIR/BLK  | Black  | 66-68mm     | Up to 6m            |

| Option Code    | Colour | Description       |
|----------------|--------|-------------------|
| CBU-PIR/SB     | White  | Surface Mount Box |
| CBU-PIR/SB/BLK | Black  | Surface Mount Box |

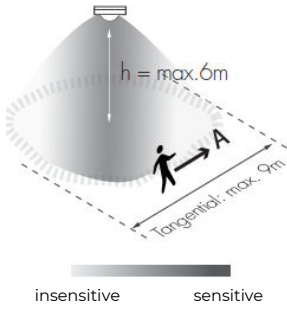
| Technical Specifications |                    |
|--------------------------|--------------------|
| Mains Voltage            | 220~240vAC 50/60Hz |
| Installation Height      | 2.5m - 6m          |
| Cut Out Dimension        | 66 - 68mm          |
| Detection Range(Ø)       | 9m                 |
| Detection Angle          | 360°               |
| Range (Typical indoor)   | 10~30m             |
| Operation temperature    | -20°C to +50°C     |
| IP rating                | IP20               |



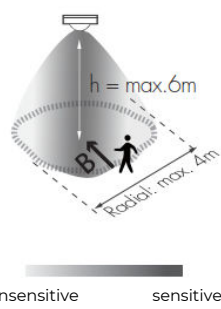
## CBU-PIR

### Detection Pattern

#### TANGENTIAL MOVEMENT



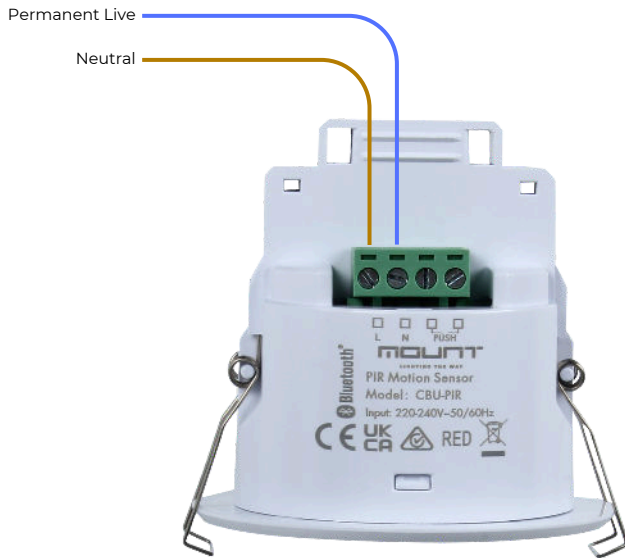
#### RADIAL MOVEMENT



| Mounting Height | Tangential                    | Radial                        |
|-----------------|-------------------------------|-------------------------------|
| 2.5m            | max 50m <sup>2</sup> (∅ = 8m) | max 13m <sup>2</sup> (∅ = 4m) |
| 3m              | max 64m <sup>2</sup> (∅ = 9m) | max 13m <sup>2</sup> (∅ = 4m) |
| 4m              | max 38m <sup>2</sup> (∅ = 7m) | max 13m <sup>2</sup> (∅ = 4m) |
| 5m              | max 38m <sup>2</sup> (∅ = 7m) | max 13m <sup>2</sup> (∅ = 4m) |
| 6m              | max 38m <sup>2</sup> (∅ = 7m) | max 13m <sup>2</sup> (∅ = 4m) |

Based on single person detection

### Wiring



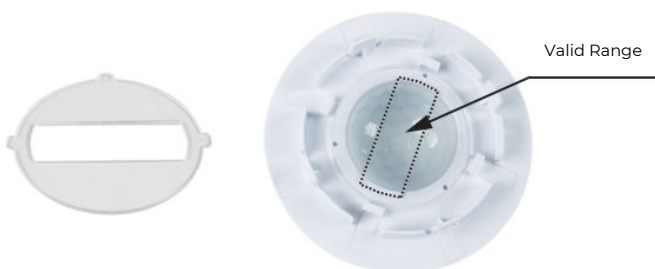
### WARNING!

Hazardous voltages. Risk of electric shock or fire.  
Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.



### Accessories for custom applications

#### BLIND OPTION 1 - AISLE DETECTION



#### BLIND OPTION 2 - 180° DETECTION

