#### PIR Standalone Motion Sensor with **Bluetooth**<sup>®</sup> Mesh

# HBIR30/CA Casambi Enabled



## **Product Description**

HBIR30/CA is a Bluetooth PIR standalone motion sensor. It is ideal for typical indoor applications such as office, classroom, healthcare and other commercial areas. HBIR30/CA works with CBU-ASD module for either 1-10V or DALI output. Meanwhile, all commissioning and settings can be done via **CASAMBI** app.







HBIR30/CA/H

HBIR30/CA/RH (3-pyro)

Free smartphone App for set-up and commissioning



# 1 push input for flexible manual control

Hardware Features

- Surface mount kit available as accessory
- Two types of blind inserts / blanking plates
- X User-friendly design for installation
- Use Casambi app for commissioning
- ₩ High bay version available (up to 15m in height)
- Device firmware update over-the-air
- (5) 5-year warranty

#### **Technical Specifications**

Input & Output Characteristics		
Mains voltage	220~240VAC 50/60Hz	
Stand-by power	<0.2W	
Warming-up	20s	

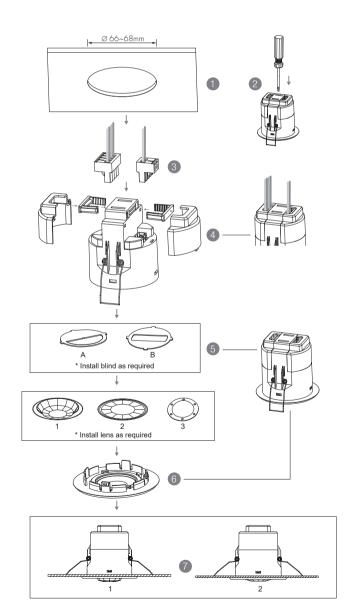
Bluetooth Transceiver		
Operation frequency	2.4 GHz - 2.483 GHz	
Transmission power	Max 4 dBm	
Range (Typical indoor)	10~30m	
Protocol	$\textcircled{Bluetooth}^{\circ}4.0$	

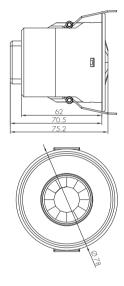
Sensor Data	
Sensor principle	PIR detection
HBIR30/CA	Installation Height : 6m Detection Range(Ø) :9m
HBIR30/CA/R	Installation Height : 6m Detection Range(Ø) : 10m
HBIR30/CA/H	Installation height: 15m (forklift) 12m (person) Detection range (Ø): 24m
HBIR30/CA/RH	Installation height: 15m (forklift) 12m (person) Detection range (Ø): 40m
Detection angle	360°

\* For more details of detection range, please refer to "detection pattern" section.

#### Mechanical Structure & Dimensions

Safety & EMC		
EMC standard (EMC)	EN55015, EN61000, EN61547	
Safety standard (LVD)	EN60669-1, EN60669-2-1	
Certification	CB, CE , EMC, LVD, RCM	
RED	EN300328, EN301489-1, EN301489-17	
Environment		
Operation temperature	Ta: -20°C ~ +50°C	
IP rating	IP20	

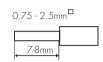




- 1. Ceiling (drill hole Ø 66~68mm)
- Carefully prise off the cable clamps.
  Make connections to the pluggable terminal blocks.
- Insert plug connectors and secure using the provided cable clamps, then clip terminal covers to the base.
- 5. Fit detection blind (if required) and desired lens.
- 6. Clip fascia to body.
- 7. Bend back springs and insert into ceiling.

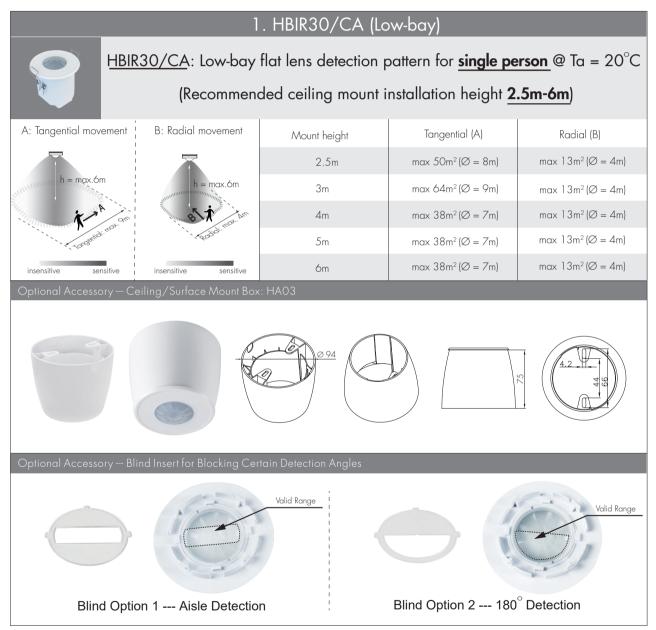
### Wire Preparation

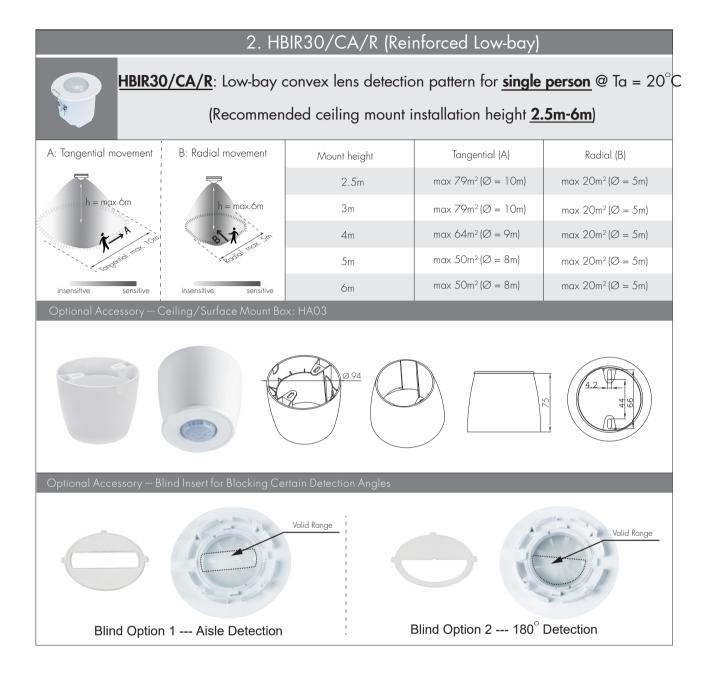


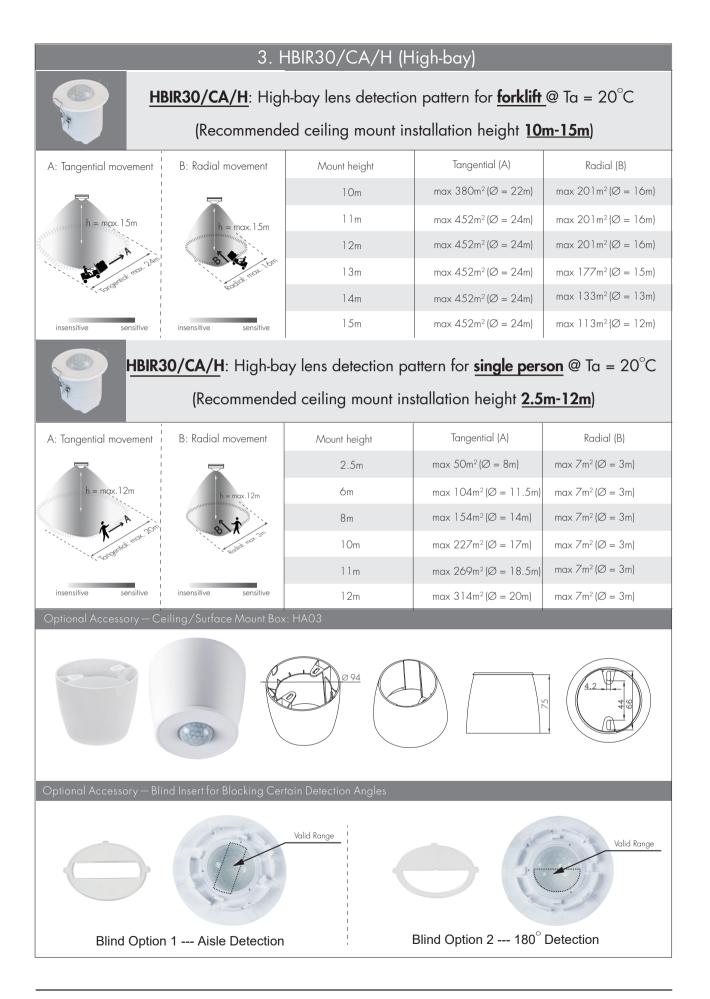


Pluggable screw terminal. It is recommended to make connections to the terminal before fitting to the sensor.

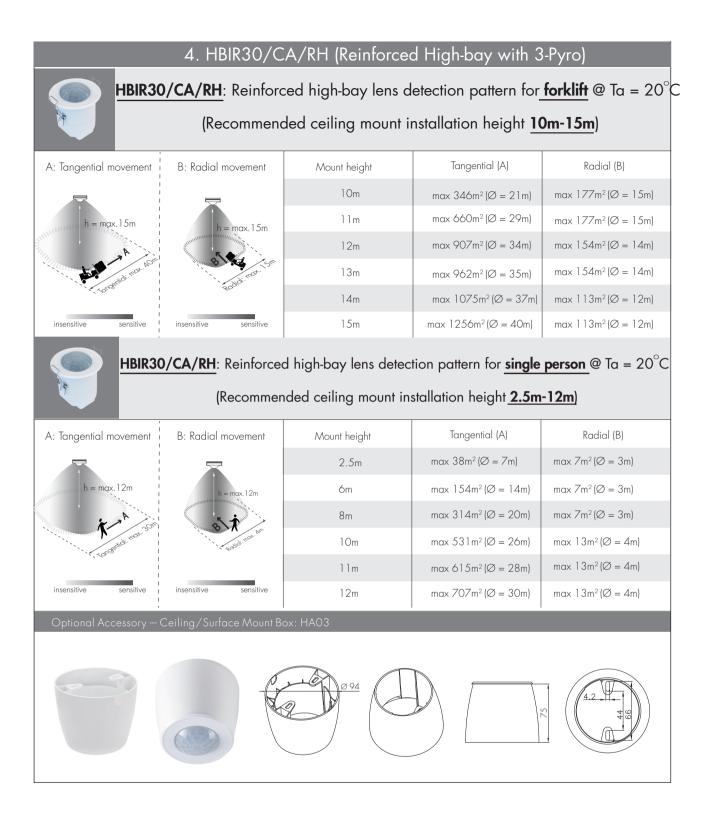
# Detection Pattern & Optional Accessories



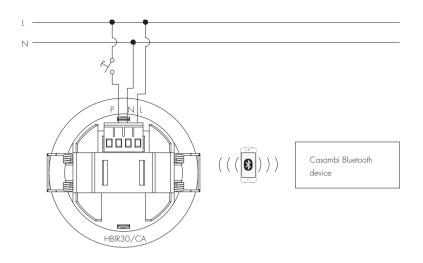




Subject to change without notice.



# Wiring Diagram



# Additional Information / Documents

- To learn more about detailed product features/functions, please refer to www.hytronik.com/download ->knowledge ->Introduction of App Scenes and Product Functions
- 2. Regarding precautions for PIR Sensors installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->PIR Sensors Precautions for Product Installation and Operation
- 3. Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/bluetooth technology ->Partnership
- 4. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy