Flush Mount PIR Motion Sensor PIR
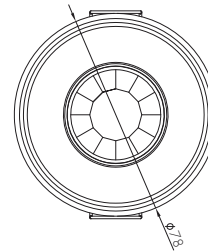
HBIR30/CA
Wireless sensor compatible with Casambi based systems

CASAMBI READY

CE emc Intertek CB IP20

65mm

62
70.5
75.2

Ø 78
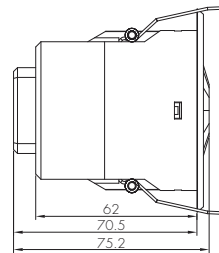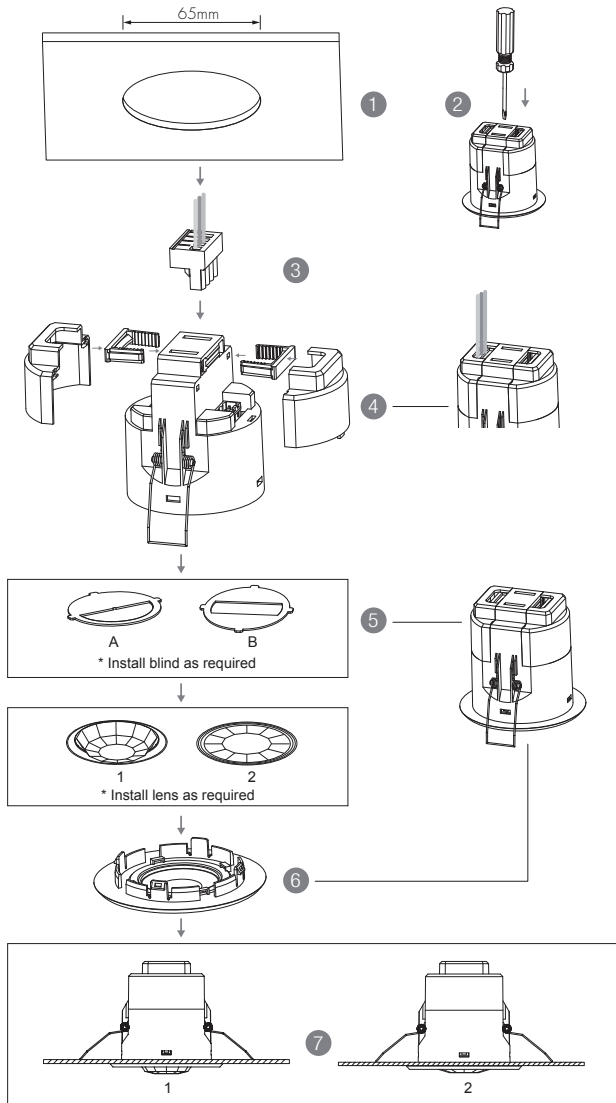
Recess / flush
mount version

① ②
③
④
⑤

A B
* Install blind as required

1 2
* Install lens as required

⑥

1 2
⑦

1. Ceiling (drill hole 65mm)
2. Carefully prise off the cable clamps.
3. Make connections to the pluggable terminal blocks.
4. 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.

Technical Data

Input Characteristics

Model No.	HBIR30/CA
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	7 dBm
Range (Typical indoor)	15~30m
Protocol	Bluetooth® 4 Wireless Mesh

Environment

Operation temperature	Ta: -20°C ~ +50°C
IP rating	IP20

Sensor Data

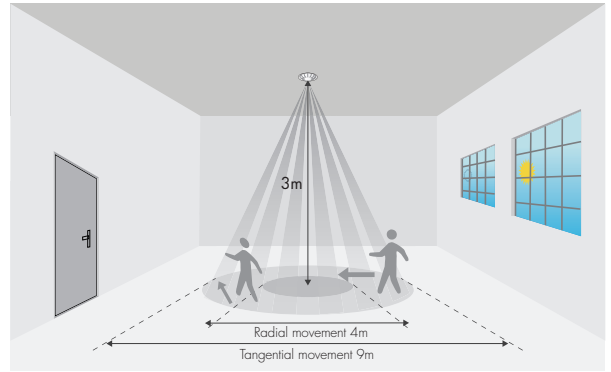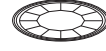| Model No.	HBIR30/CA
Sensor principle	PIR detection
Detection range	(Ø x H) 9m x 3m (minimum)
Detection angle	360°
Mounting height	5m (maximum)

Safety and EMC

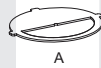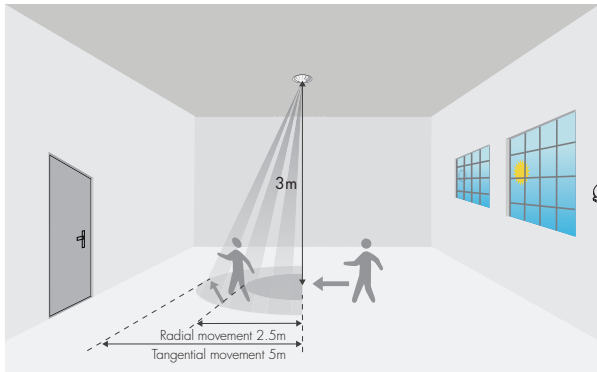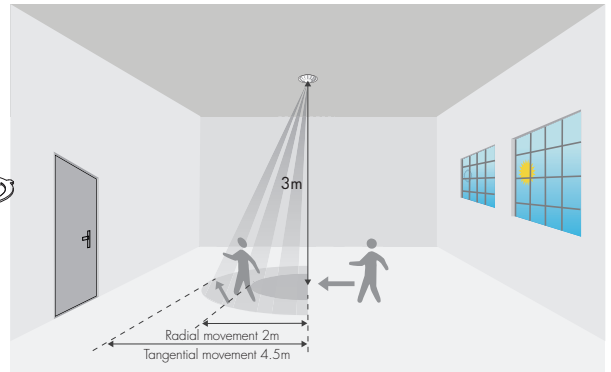|	
EMC standard (EMC)	EN55015, EN61000
Safety standard (LVD)	EN60669-1, EN60669-2-1
Certification	Semko, CB, CE , EMC, LVD, RCM

Detection range with convex lens

Detection range with flat lens

3m

Radial movement 5m
Tangential movement 10m
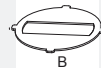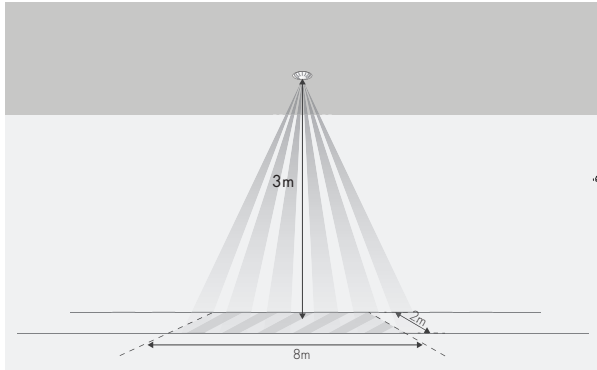
3m

Radial movement 4m
Tangential movement 9m
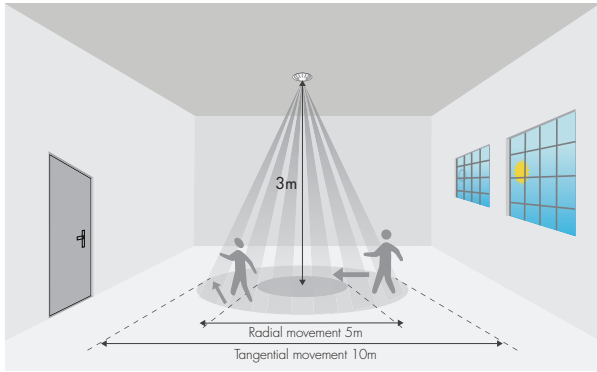
Detection range with convex lens and 50% Blind A

Detection range with flat lens and 50% Blind A

3m

A

3m

Radial movement 2.5m
Tangential movement 5m

Radial movement 2m
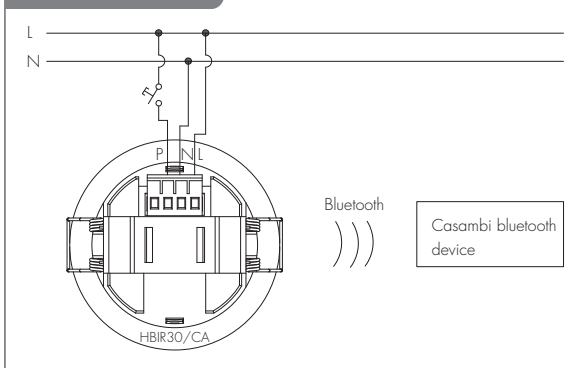Tangential movement 4.5m

Detection range with convex lens and corridor blind B

Detection range with flat lens and corridor blind B

3m

2m

8m

B

3m

2m

7m

Wiring Diagram

L
N

P N L

Bluetooth

Casambi bluetooth device

HBIR30/CA
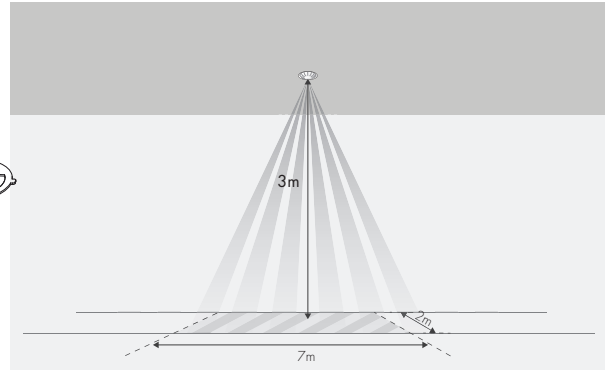
Functions and Features (Configurable in Casambi App)

Hold-time
Fadetime
Daylight threshold
"Push" Function