Installation and Instruction Manual

HYTRONIK ®

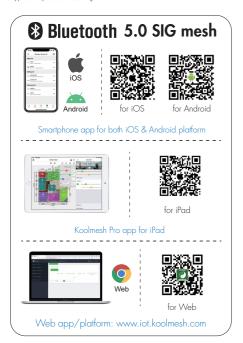
IP65 HIGH BAY DUAL SENSE SENSOR with Bluetooth 5.0 SIG Mesh

1. Technical Specifications

Product type	Tri-level control & Daylight Harvest for Independent DALI
Operating voltage	220-240VAC 50/60Hz
Power supply	I guaranteed:64 mA I max.: 80mA U rated:16VDC
Power consumption	< 1.5 W
Detection angle	360°
Detection area (Max.)*	Max installation height: 15m (forklift)/12m (human) Max detection range: HF: 0 = 24m (forklift)/14m (human) PIR: 0 = 24m (forklift)/20m (human)
Warmming up time	20s
Operating temperature	-20°C ~ +50°C
IP rating	IP65
Sensor mode	HF, PIR, HF+PIR, HF / PIR

2. Download the App

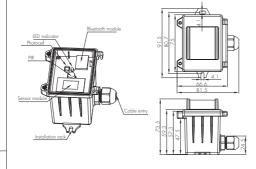
Free App for set-up and commissioning



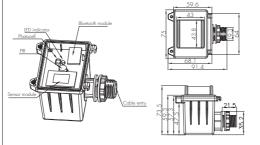
4. Installation

⚠ Warnings:

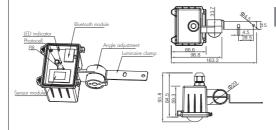
- 1. Installation of the sensor involves connecting it to the mains supply. This work must be carried out by a specialist in accordance with electrotechnical regulations. 2. Disconnect power supply before installing.
- A. Ceiling mount



B. Screw to the Luminaire by conduit



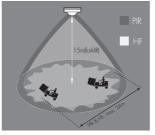
C. Attach to the shade by clamp



Note: We recommend the mounting distance between sensor to sensor should be more than 2m to prevent sensors from false-triggering.

HIM84

* For single person walking across, the detection range is reduced by 1/3.

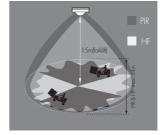


PIR detection: Ø = 24m (max.) HF detection: $\emptyset = 24m$ (max.)



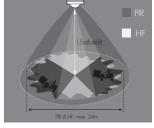
5. Three Options for PIR Lens and Detection Patterns (End user can choose the suitable lens in real application for various requirements)

Detection pattern for forklift



PIR detection: Ø = 24m (max.) HF detection: Ø = 24m (max.)



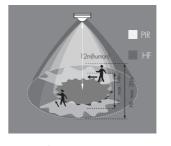


PIR detection: $\emptyset = 24m \text{ (max.)}$ HF detection: $\emptyset = 24m \text{ (max.)}$

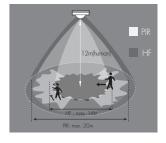
Detection pattern for human



HF detection: $\emptyset = 14m \text{ (max.)}$ PIR detection: $\emptyset = 20m \text{ (max.)}$



HF detection: $\emptyset = 14$ m (max.) PIR detection: $\emptyset = 20m (max.)$



HF detection: $\emptyset = 14$ m (max.) PIR detection: $\emptyset = 20m \text{ (max.)}$

Placement Guide and Typical Range

Smart Phone to Device Range



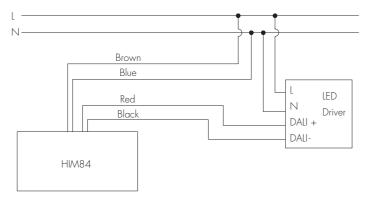
The smart device with the App installed will have a typical range of 10m, but varies from device to device. During commissioning, the installer will need to be in range of the devices when searching for devices to add to the network.

Once the devices have been added to the network via the App, the devices will start communicating within the wireless mesh. This means that once the network is complete, all devices are accessible from the smart device when in a 20m range of a single point.





6. Wiring Diagram



- 1. 200 metres (total) max. for $1 \text{ mm}^2 \text{ CSA}$ (Ta = $50 ^{\circ}\text{C}$)
- 2. 300 metres (total) max. for 1.5mm² CSA (Ta = 50 C)

-----This product should be installed by a qualified electrician.

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
- Regarding precautions for Bluetooth product installation and operation, please kindly refer to www.hytronik.com/download >>knowledge ->Bluetooth Products - Precautions for Product Installation and Operation
- 3. Regarding precautions for microwave sensor installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->Microwave Sensors - Precautions for Product Installation and Operation
- 4. Regarding precautions for PIR sensor installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->PIR Sensors - Precautions for Product Installation and Operation
- Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/bluetooth technology >>Bluetooth Sensors
- 6. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download>knowledge >>Hytronik Standard Guarantee Policy

