

### 1. Technical Specifications

|                         |  |
|-------------------------|--|
| Operation frequency     | 2.4 GHz - 2.483 GHz  |
| Transmission power      | 4 dBm  |
| Range (Typical indoor)  | 10-30m   |
| Protocol                | Bluetooth® 5.0 SIG Mesh  |
| Operating voltage       | 220-240VAC 50/60Hz   |
| Stand-by power          | <1W  |
| Load ratings            | 300VA(capacitive),400W(resistive)                                  |
| Warming-up              | 20s  |
| Sensor principle        | High Frequency (microwave)   |
| Detection range (Max.)* | Max installation height: 6m<br>Max detection range: 10m (diameter) |
| Detection angle         | 30°-150°   |
| Operation temperature   | Ta: -20°C-+50°C  |
| Case temperature(MAX.)  | Tc: +75°   |
| IP rating               | IP20   |
| EMC standard (EMC)      | EN55015, EN61000, EN61547<br>EN60669-1/-2-1                        |
| Safety standard (LVD)   | AS/NZS60669-1/-2-1   |
| RED                     | EN300328, EN301489-1/-17, EN62479,                                 |
| Certification           | Semko, CB, CE, EMC, RCM, RoHS, UKCA                                |

### 2. Download the App

Free App for set-up and commissioning

## Bluetooth 5.0 SIG mesh

iOS 10.0 or later

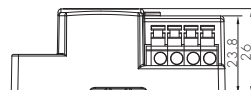
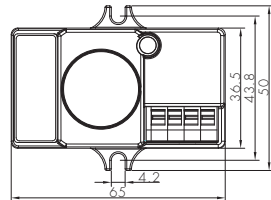
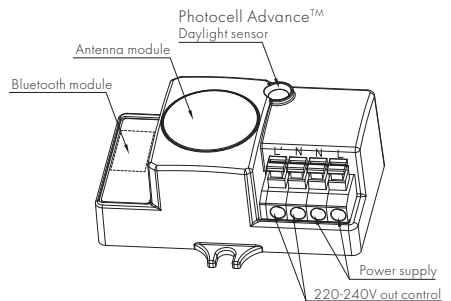
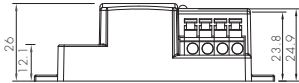
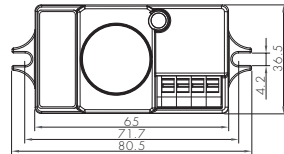
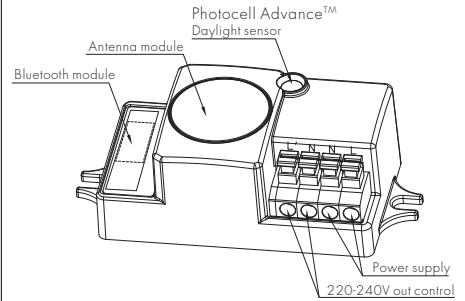
Android 5.0 or later

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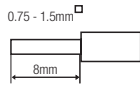
Web app/platform:  
[iat.koolmesh.com](http://iat.koolmesh.com)

### 3. Installation

Mechanical Structure & Dimensions

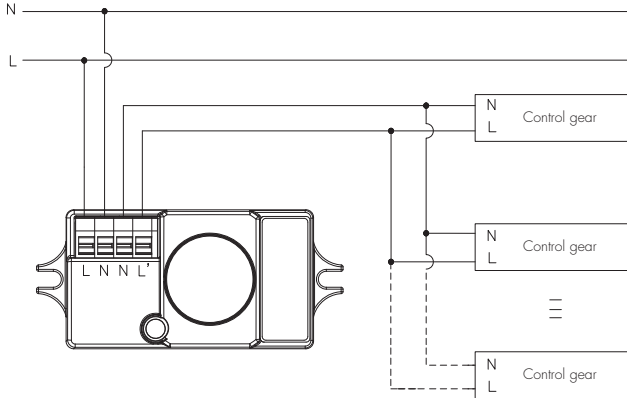


## Wire Preparation



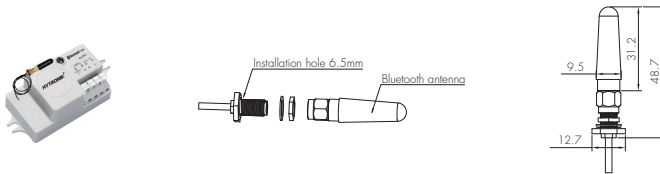
To make or release the wire from the terminal, use a screwdriver to push down the button.

## Wiring Diagram

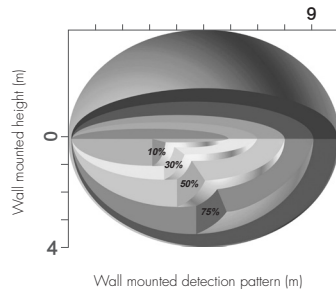
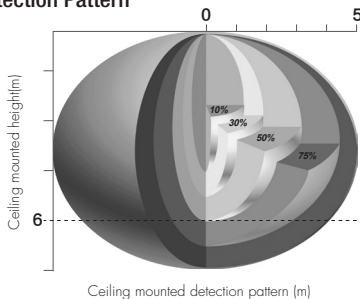


### Optional accessory: Reinforced Bluetooth antenna

For some special Applications, customers may need a larger Bluetooth transmission for both smartphone to device and device to device. Thanks to the reinforced Bluetooth antenna, with it being added to the sensor, the transmission distance (smartphone to device) enlarges to 20m, the distance of device to device is around 50m.



## 4. Detection Pattern



## 5. Additional Information / Documents

1. For full explanation of Hytronik Photocell Advance™ technology, please kindly refer to [www.hytronik.com/download](http://www.hytronik.com/download) ->knowledge ->Introduction of Photocell Advance
2. To learn more about detailed product features/functions, please refer to [www.hytronik.com/download](http://www.hytronik.com/download) ->knowledge ->Introduction of App Scenes and Product Functions
3. Regarding precautions for Bluetooth product installation and operation, please kindly refer to [www.hytronik.com/download](http://www.hytronik.com/download) ->knowledge ->Bluetooth Products - Precautions for Product Installation and Operation
4. Regarding precautions for microwave sensor installation and operation, please kindly refer to [www.hytronik.com/download](http://www.hytronik.com/download) ->knowledge ->Microwave Sensors - Precautions for Product Installation and Operation
5. Data sheet is subject to change without notice. Please always refer to the most recent release on [www.hytronik.com/products/bluetooth](http://www.hytronik.com/products/bluetooth) technology ->Bluetooth Sensors
6. Regarding Hytronik standard guarantee policy, please refer to [www.hytronik.com/download](http://www.hytronik.com/download) ->knowledge ->Hytronik Standard Guarantee Policy

[www.hytronik.com](http://www.hytronik.com)

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