



# HYTRONIK HC005S Built-In Microwave Motion Sensor Instruction Manual

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**HYTRONIK**®

**HYTRONIK HC005S Built-In Microwave Motion Sensor**



## Technical Specifications

Operation frequency	2.4 GHz – 2.483 GHz
Transmission power	7 dBm
Range (Typical indoor)	10~30m
Protocol	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 Max detection range 10m (diameter)
Detection angle	30°~150°
Operation temperature	Ta:-20OC~+50OC
Case temperature(MAX.)	Tc:+75°
IP rating	IP20
EMC standard (EMC)	EN55015, EN61000, EN61547
Safety standard (LVD)	EN60669-1/-2-1 AS/NZS60669-1/-2-1
RED	EN300328, EN301489-1/-17,EN62479,
Certification	Semko,CB, CE , EMC, RED, RCM,UKCA

## 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



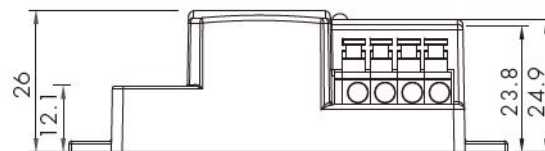
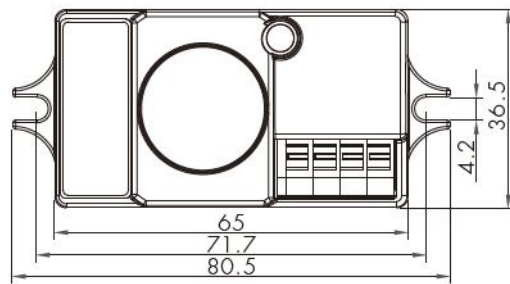
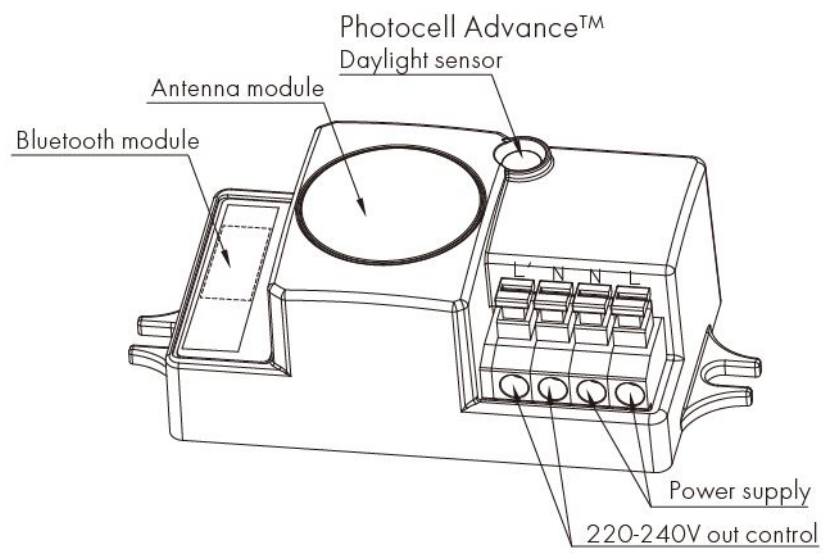
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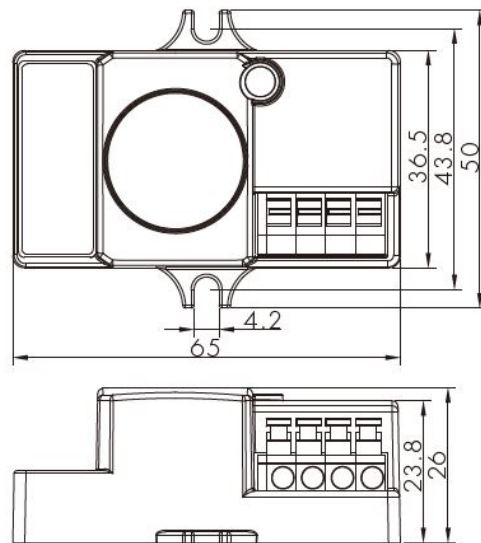
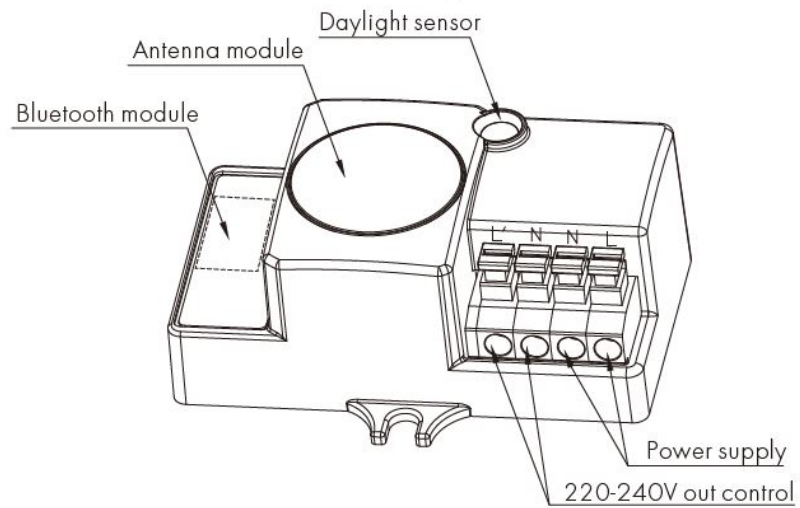


Web app/platform:  
[iot.koolmesh.com](http://iot.koolmesh.com)

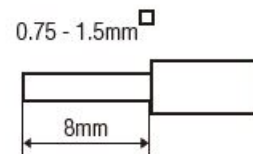
## Installation

Mechanical Structure & Dimensions



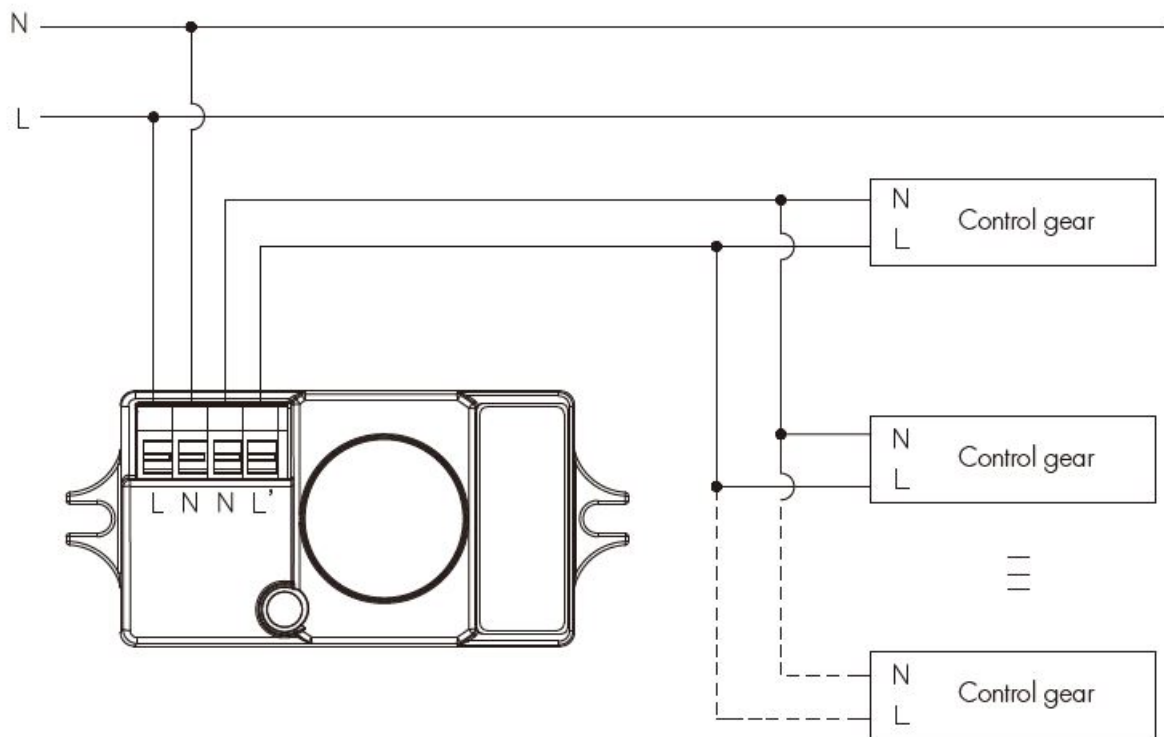


## Wire Preparation



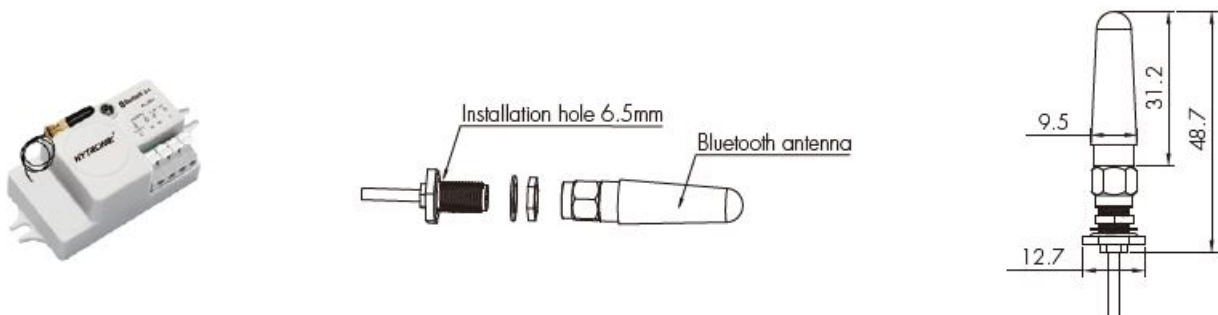
To make or release the wire from the terminal, use a screwdriver to push down the button.

## Wiring Diagram

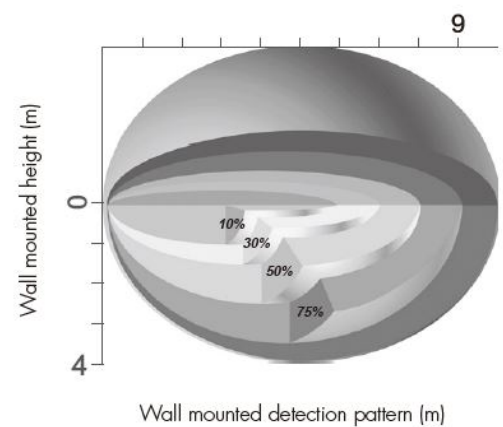
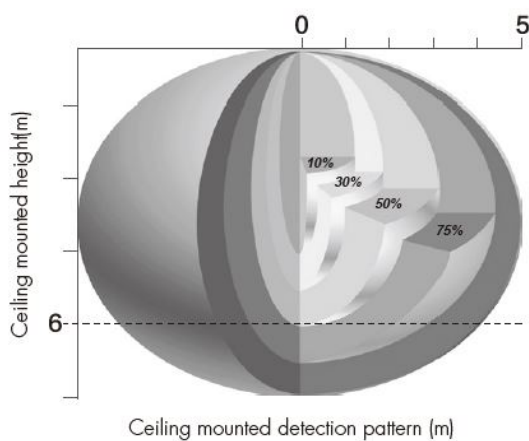


### Optional accessory: Reinforced Bluetooth antenna

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.



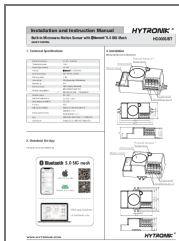
### Detection Pattern



### 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

## Documents / Resources



[HYTRONIK HC005S Built-In Microwave Motion Sensor](#) [pdf] Instruction Manual  
HC005S Built-In Microwave Motion Sensor, HC005S, Built-In Microwave Motion Sensor

## References

- [iot.koolmesh.com](http://iot.koolmesh.com)
- [Catalogue\\_Hytronik](#)