



BEE-MS

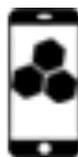
Wire Free PIR Motion Sensor



**Pet
Friendly**



Anti-Tamper



App Control



**Battery (CR123a)
included**

1. Introduction

Thank you for choosing BeeSecure BEE-MS Pet Friendly Motion Sensor.

BEE-MS is a wire free pet friendly passive infrared motion sensor with high accuracy to detect the motion within an assigned monitored area. The motion sensor will ignore a pet that weighs up to approximately 25 kg to prevent false alarms. Whenever a larger motion (25kg and above) is detected, you will immediately receive an alarm notification on your mobile phone. You can remotely set up your motion sensor from the BeeSecure App (BEE-HUB is required).

Please ensure you read the user manual completely before using the BEE-MS.

1.1 Product Description

Front View



Back View



1.2 Specifications

Dimensions	115mm (L)×60mm(W)* 37.8mm (Height)
Battery	DC 3V (CR123a)
Alarm Current	15mA
Standby Current	25 μ A
Detecting Distance	12 meters (when mounted at 2 meters above ground)
Detecting Angle	90 degree (-45 ~ +45 degree)
Pet Friendly Level	<25 kg
Suggested Mounting Height	2.0 meters
Alarming	LED flash + Mobile Notification
Transmission Protocol	ZigBee



The product should not be modified in any way except in accordance with those modifications described in the instructions

1.3 What's in the Box

Name	Quantity	Picture
Motion Sensor	1	
Mounting Base	1	
Screw + Anchor Plug	2	
User Manual	1	

1.4 Product Features

The motion sensor will send instant notifications whenever larger size motions (bigger than 25kg) is detected, or whenever someone tries to detach the sensor from the mounting base and deactivate it. Together with the BEE-HUB (purchased separately), you can set up your motion sensor remotely, including features such as:

- Rename the sensor
- Receive instant alarm notifications
- Low battery warning
- View history events
- Anti-Tamper Notification

1.5 Steps to Follow

- **Step 1:** Download the BeeSecure App and Register
- **Step 2:** Install the Battery of the sensor
- **Step 3:** Add the BEE-HUB to the Wi-Fi from the App
- **Step 4:** Pair BEE-MS with the BEE-HUB from the App
- **Step 5:** Install the BEE-MS
- **Step 6:** Set up the BEE-MS from the APP

It is suggested to follow the steps to install and set up your device. While connecting the BEE-MS with the hub, please keep the distance between the sensor and the hub as close as possible. After successfully connecting the hub and motion sensor, you can install the sensor up to 20 meters from the hub (depending on the working environment).

2. Getting Started

2.1 Download the BeeSecure App and Register

Before you start exploring all the features of BEE-MS using the APP Control, you need to download the BeeSecure App from Apple Store or Google Play.

Register your personal account on the BeeSecure App:

1. Fill in your first name and last name
2. Enter your email address and verification code. Get verification code from the email account you entered before. Read "Terms and Conditions" before you click confirm.

2.2 Install the Battery

1. Press the tab slot on the back of the sensor and open it from the sides
2. Remove the insulating film between the battery and the metallic blade.
3. Put the cover back

After installing the battery, the LED light on the sensor will blink 3 times, the sensor will start to initiate. The process will take about 9 seconds.

2.3 Add Hub to Wi-Fi

Before you set up any BeeSecure devices, you need to add the BEE-HUB to your WI-FI first. Follow the steps below or the in-app instructions to add the hub.

1. Tap **+** at the top right corner of the App Home
2. Select **BEE-HUB** from the device list
3. Plug BEE-HUB with a power supply. You will see the hub indicator flash blue which means that the hub is ready to be added to the network.
* If the indicator does not flash blue, long press the hub button to reset the hub until it flashes blue.
4. Select Wi-Fi and input the password for the Wi-Fi. Click Next.
*Currently, BeeSecure does not support 5G Wi-Fi or Wi-Fi without password.
5. - iOS user: Click **Setup**. The system will redirect you to the Wi-Fi settings on your phone. Choose BeeSecure-XXX from the Wi-Fi list, input **BESECURE** as password then go back to the BeeSecure App. Wait until the caption of the button switches to **Next**. Click **Next**
- Android user: Select BeeSecure-XXX, the system automatically pops up, then click **Next**
6. Wait until the hub has been found, select the device, click **join Wi-Fi** and then **Finish**

On step 5, for the first-time use, iOS user will request to input the password to connect BEE-HUB and Wi-Fi. The password is **BESECURE**. After the first connection, iOS will remember the password and no longer request to input it again.

Android phone users do not need to input the password

2.4 Pair the BEE-MS with the BEE-HUB

Pair BEE-MS with the BEE-HUB to establish the communication between the hub and the motion sensor to be able to control and view your motion sensor from the APP.

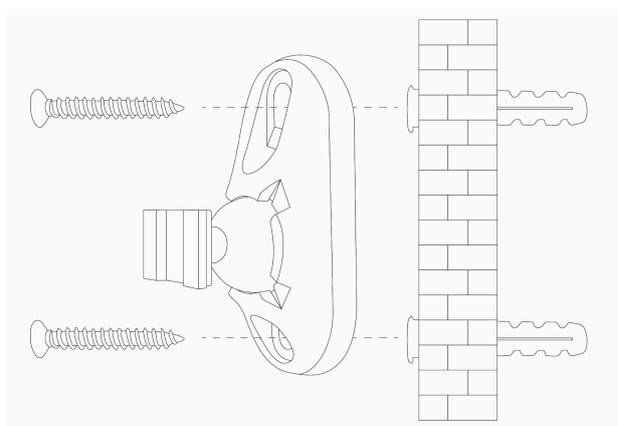
1. Tap + at the top right corner of the App Home
2. Select **BEE-MS** from the device list
3. Follow the in-app instructions to pair the BEE-MS with the hub.

When succeeded, you will see a prompt text “**Device has been added**”. Return to the **App Home**, the BEE-MS will appear on the device list

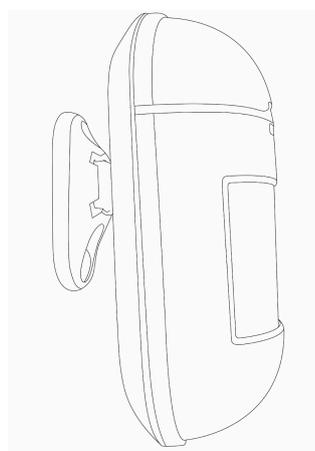
2.5 Install the BEE-MS

After configuration, the motion sensor can be installed up to 20 meters from the hub (depending on the working environment). To ensure the distance between the motion sensor and the hub is within communication range, you can check the status next to the sensor in the Home page. Green light indicates the sensor is online and functioning, orange light indicates the sensor is offline/outside of the communication range.

1. Connect the mounting base by pressing the roller ball towards the base and punch through the holes provided to mount the sensor on walls or at the corner of a room.
2. Attach the motion sensor with the mounting base



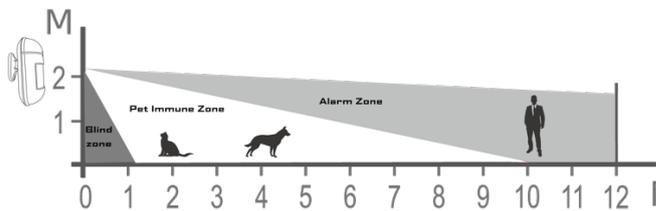
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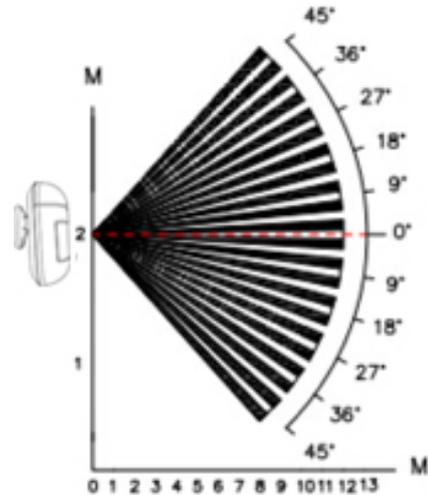
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Mounting Location:

BEE-MS is designed to give a typical detection range of 12 meters with human motion and an immune area of 10 meters for pets (below 25 kg) when mounted at 2 meters above the ground (see the diagram below). It is recommended to install the motion sensor at 1.8 -2.1 meters above the ground for the best performance.



Detection Distance



Detection Angle

Whenever motion is detected, the LED light will flash red once and send an instant notification (when the alarm status on the BeeSecure App is on). Please note, to avoid receiving constant alarms, BEE-MS will trigger a push notification to your phone every 2 minutes when motion is detected.

- Keep the distance between the motion sensor and the hub within communication range.
- Mount the motion sensor in a position where an intruder is most likely to pass through
- It is suggested to mount the motion sensor in a corner to give the widest view
- Take into consideration the blind spot. The blind spot underneath the motion sensor enlarges proportionally to the installation height. At a height of 2 meters, detection range starts from 1 meter.
- Do not install the motion sensor directly facing the sunlight
- Do not install the motion sensor for outdoor use
- Mount the motion sensor where the field of view will not be obstructed by other objects e.g. curtains
- Avoid installing the motion sensor in areas where the temperature might change rapidly, e.g. air conditioners, heaters etc.

2.6 Set up the BEE-MS from the APP

After connecting the BEE-MS with the BEE-HUB, you can remotely set up your motion sensor and receive real-time motion/violent disassembling events.

2.6.1 Rename the Device

Naming your devices differently is very helpful, especially when you have multiple devices connected at the same time. This helps to identify which device is triggering the alarm.

1. Tap the top right corner of the device page
2. Click **Device Name** to rename the motion sensor and click **Confirm**

2.6.2 Alarm On/Off

You can switch on/off the alarm on the device page. By switching the alarm off, it will disable push notifications to your mobile phone. This means that you will not receive the following push notifications:

- Instant motion alarm
- Motion sensor goes offline
- Sensor is being tampered (someone detaches the mounting base from the sensor)
- Low Battery Reminder

You can set up a customized schedule to receive alarm notifications by going to the Group page in the BeeSecure App, e.g. 9:00-18:00 Mon.-Fri. Refer to the Help Manual at Mine->Help, in the BeeSecure App

2.6.3 View History Message

There are two ways which you can view from the app all motion sensor history messages

1. From device page directly
2. From **Message** Panel

From device page, you can view the 50 most recent messages and from **Message** panel you can view unlimited history messages.

2.6.4 Delete the Device

By deleting the device, you will remove all device data from BeeSecure cloud, including device name, history messages and etc.

1. Tap the upper right corner on the device page
2. Click "Delete device"

If you want to relocate the device and connect to a different hub/operation environment, you need to delete the device and then follow the steps on section 2.4 to reconnect the motion sensor with a new hub.

2.6.5 Reset the Device

If the device is not functioning, you can try to reset the device by long pressing the button on the motion sensor for more than 5 seconds until the LED light flash in red, release the button now. After resetting, the motion sensor will flash once in red to indicate reset has been successful. The device is now restored to manufacturing settings but all the data stored on the BeeSecure cloud will remain, including device name and history messages.

3. Device Status

The status of the LED on the motion sensor indicates the device status.

LED	Device Status
Flash green for 3 times	Battery Activated
Flash once in red	Motion Detected
	Reset succeeded
No flash	Working/Normal
Flash once in green	Pair with BEE-HUB succeeded

4. Battery Replacement

Whenever the battery level of the motion sensor is low, you will receive a notification on the app.

You can easily replace the battery following the same steps used when installing the battery. After replacing the battery, all user data including history message, sensor settings will remain. You will not lose any data.

5. Maintenance and Care

1. Carry out a test by moving within the detection range of the motion sensor weekly to ensure the device is functioning
2. Do not touch the sensor screen to avoid impacting the sensitivity accuracy
3. Avoid high humidity areas which can cause condensation
4. Relocate the motion sensor if it generates unwanted alarms. Refer to section 2.5 on 'Mounting Locations' for more details on which locations to avoid
5. Clean the sensor at least once every couple of months with a dry or slightly damp microfiber cloth