SwitchBot Motion Sensor

User Manual

Contents

Want to see how it's done? Go to support.switch-bot.com
for installation videos and additional tips.

1. In the Box

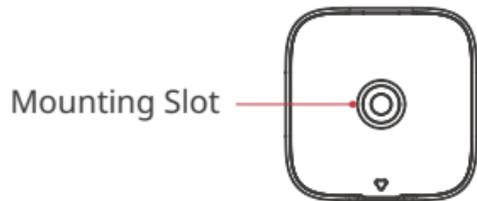Motion Sensor

User Manual

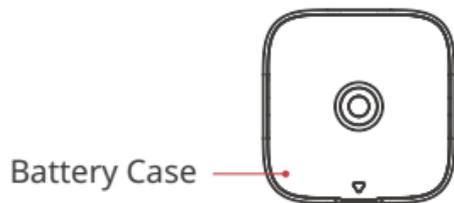Base

AAA Batteries x 2

Sticker

2. Device Instruction

Mounting Slot

Mounting Slot

Battery Case
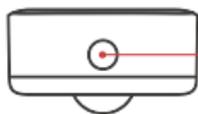
Reset Button
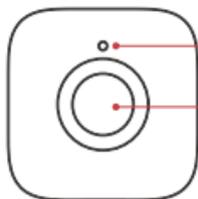
LED Indicator Light
& Light Sensor

Fresnel Lens

Base
Magnet

3. Preparation

- A smartphone or tablet with Bluetooth 4.2 or above
- Download the SwitchBot app
- Create a SwitchBot account and sign in
- (Optional) If you intend to use the Cloud Service feature, you need to set up a SwitchBot Hub Mini (sold separately) and connect your phone to the internet

Download on the
App Store

GET IT ON
Google Play

4. Getting Started

1 Remove the Battery Case. Install two AAA batteries into the battery box following the "+" and "-" signs. Then put the Battery Case back.
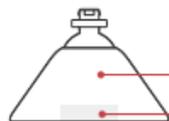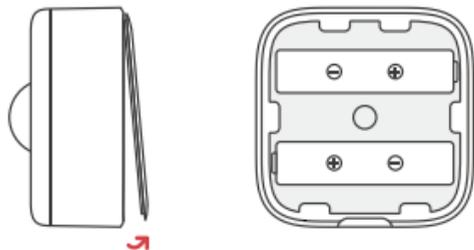

2 Open the SwitchBot app and sign in.

3 On the app, tap the "+" icon on the top right of the homepage. Tap the "Motion Sensor" icon and follow the instructions to complete the setup.

5. Safety Information

- Keep the device away from humid or hot environments.
- Remove the batteries when not used for long period of time.
- Do not attempt to disassemble, repair, or modify the device
- Do not use any other batteries than those recommended.

6. Detection Range
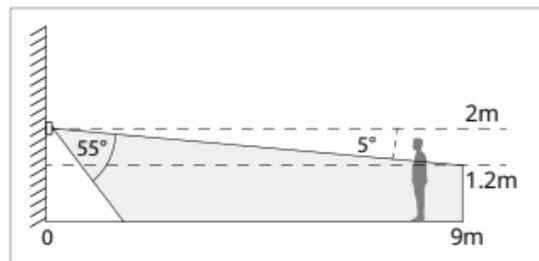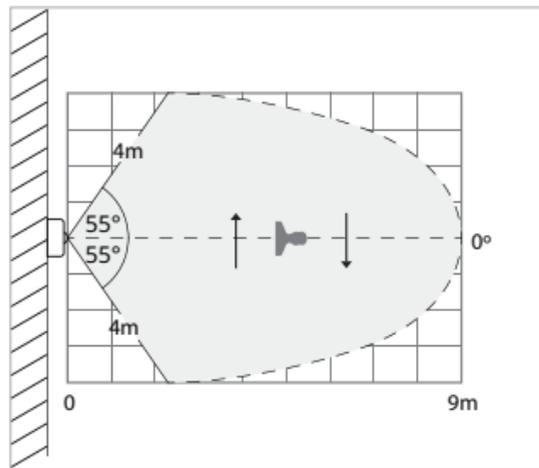
7. Light Sensor

Light Sensor is used for detecting whether it is bright or dark in the target environment. You can define the threshold for being bright or being dark in the app. Navigate to the Settings page of Motion Sensor in the app for more information.

8. How to Use

Reset Button facing up

The recommended height to install Motion Sensor is 1.2m~2m to the ground.
The detection range will be reduced when it is placed lower than 1.2m. There will be detection blind spots when it is placed higher than 2m.

Reset Button facing down (for Pet Owners)

If you are a pet owner, it is recommended to install Motion Sensor to a spot 0.1~0.2m higher than your pet(s), with the Reset Button facing down. You can also install Motion Sensor to a spot slightly lower than your chest to prevent false alarms triggered by your pets.
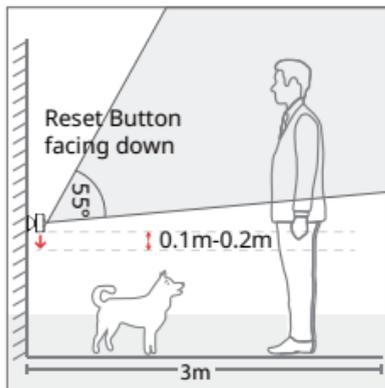
Place Motion Sensor without the Base

Place Motion Sensor directly on a table or shelf or stick it to a flat surface using the 3M Sticker.
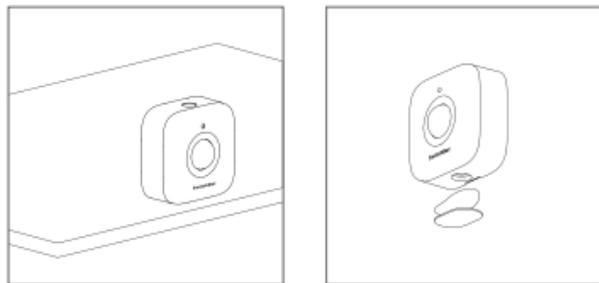
Note: Make sure the Lens is facing towards the desired area to be detected and it is placed close to the edge of the table or shelf.

Place Motion Sensor with the Base

Mount the Base to the back or the bottom of Motion Sensor. The Base can be attached to an iron surface or a magnet.

iron surface
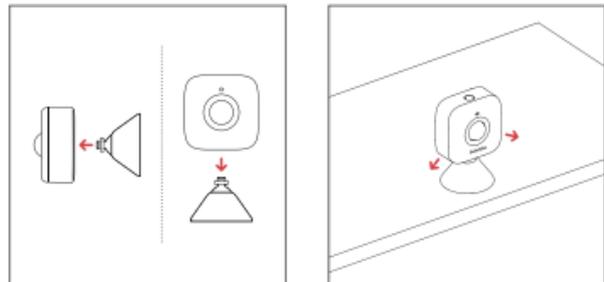
You can also stick the Base to a flat surface using the 3M Sticker. After Motion Sensor is properly installed, tilt it to a desired angle.
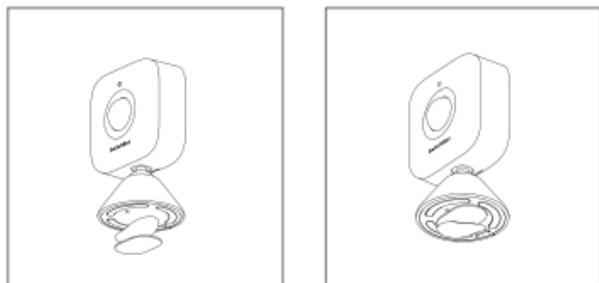
Note: Make sure the Lens is facing towards the desired area to be detected and it is placed close to the edge of the table or shelf.

Tips for applying the 3M Sticker

Make sure the target surface is dry and clean. Apply pressure to Motion Sensor for 60 seconds after installation. Keep it away from any heat source such as light bulbs.

9. Battery Replacement, Firmware Update and Factory Reset

Battery Replacement

Remove the Battery Case. Follow the "+" and "-" marks, replace the old batteries with new ones. Put the Battery Case back.

Firmware Update

Make sure you have the up to date firmware by upgrading in time.

Factory Reset

Long press the Reset Button for 15 seconds or until the LED Indicator Light is on. Note: After the device is reset, all settings will be set to the default values and the activity logs will be erased.

10. Q&A

Q: It is not sensitive within the detection range set during high temperature.
A: When the room temperature reaches 97°F (36°C), it is very similar to the human body tempature. Motion Sensor will be less sensitive in this case. Please cool your room by turning on the AC or fan.

Q: There is a lot of false alarms.
A: Adjust the angle of Motion Sensor to avoid window area, heat sources, and any areas with constantly moving objects.

Q: How to enable Cloud Service?
A: You need to purchase a SwitchBot Hub Mini (sold separately) and set it up under your account. Then navigate to the app homepage. If you see a cloud icon showing up on the Motion Sensor device card, it means it is being scanned by Hub Mini. Navigate to the Settings page of Motion Sensor and you can enable Cloud Service from there.
Scan the QR code below to view more solutions.
https://support.switch-bot.com

11. Specification

Model Number: W1101500
Size: 54mm x 54mm x 30mm (Motion Sensor); 45mm x 45mm x 32mm (Base)
Weight: 56g (Motion Sensor with batteries); 19g (Base)
Battery Life: 2 x AAA batteries roughly 3 years (triggered 120 times motion,40 times by light sensing and 20 times by local scenes under 77°F (25°C) by daily use)
Working Condition: 14°F~140°F (-10°C~60°C), 20~85% RH
Maximum Detection Distance: 9m
Maximum Detection Range: 110° horizontally and 55° vertically, results obtained from lab experiments under 77°F (25°C)

12. Return and Refund Policy

This product has one-year warranty (start from the purchasing day). The situations below do not fit the Return and Refund Policy.

• Intended damage or abuse.
• Inappropriate storage (drop down or soaking in water).
• Modify or repair of product.
• Natural wearing of product.
• Natural disasters.
The batteries are not in the warranty.

13. Contact and Support

Setup and Troubleshooting:
support.switch-bot.com
Support Email:
support@wondertechlabs.com

Feedback: If you have any concern or problem when using our products, please kindly send feedback from the Profile > Feedback page in the SwitchBot app.

CE Warning

Manufacturer's Name: Woan Technology (Shenzhen) Co., Ltd.
This product is a fixed location. To comply with RF exposure requirements, a minimum separation distance of 20cm must be maintained between the user's body and the device, including the antenna. Use only the supplied or an approved antenna.
This device in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.
1.CAUTION : RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DIS- POSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS
2.The device complies with RF specifications when the device used at 20cm from your body

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

FCC RF exposure statement:
The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

KCC 경고

인증받은자의 상호: Woan Technology (Shenzhen) Co., Ltd.
제품명/모델명: SwitchBot Motion Sensor/W1101500
특정소출력 무선기기(무선데이터통신시스템용 무선기기) /
W1101500
제조자 및 제조국가: Woan Technology (Shenzhen) Co., Ltd.
/China
제조년월: 2021.04
인증번호: R-R-Woa-W1101500
이 장치는 보안성이 없으므로 통신보안에 위배되는 사항의 통신을
금지하며 운용 중금지하며 운용 중

UKCA DOC

Hereby, Woan Technology (Shenzhen) Co., Ltd. declares that
the radio equipment type W1201500 is in compliance with
UK Radio Equipment Regulations (SI 2017/1206).

The full text of the UK declaration of conformity is available
at the following internet address:
www.www.switch-bot.com

NCC 警語：

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使
用者均不得擅自變更頻率、加大功率或變更原設計之特性及
功能。
低功率射頻器材之使用不得影響飛航安全及干擾合法通信；
經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼
續使用。
前述合法通信，指依電信管理法規定作業之無線電通信。
低功率射頻器材須忍受合法通信或工業、科學及醫療用電波
輻射性電機設備之干擾。