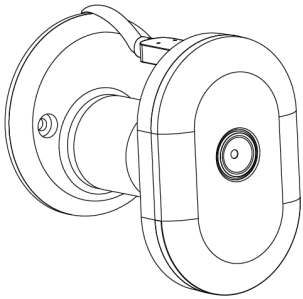


Occupancy Sensor

User’s Manual



Package Contents

Occupancy sensor	x1
USB cable (1.5 m)	x1
Wall mount bracket	x1

Introduction

This Occupancy Sensor combined with CMOS technology overcomes the weaknesses of traditional PIRs in detecting immobile people, pets, and changes in ambient temperature. It complies with HIPAA Privacy Rule & NICS adopts the activity analysis mode without image recording. There is no possibility of theft of physiological characteristics, face recognition and other information or leakage of private photos.

Application Diagram

Occupancy/Vacancy

- Open offices are not recommended for Occupancy Sensor because the space is wide.
- Private offices are ideal for one or multiple Occupancy Sensor to cover minor motion.



Application Diagram

Elderly Care

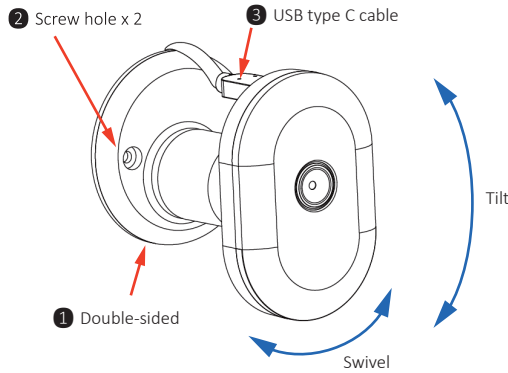
This Occupancy Sensor can provide home activities (as a Human Presence Sensor) for the elderly, making up for the lack of home activity data in the healthy aging plan. This provides accurate guidance for activities that strengthen exercise, activity frequency, activity time, activity location and other status record data.



Device Installation

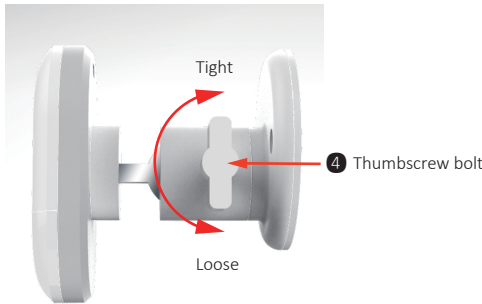
Wall Mount Bracket

- 1 2 Place the Occupancy Sensor on a flat surface, or use the screws to secure wall mount bracket on a flat surface.
- 3 Connect the Occupancy Sensor to the USB power supply (5V, at least 1A) via the included USB-C cable.



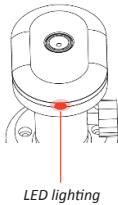
Adjusting Viewing Angle

- 4 Slightly loosen the thumbscrew bolt on the wall mount bracket to adjust the swivel/tilt angle of the Occupancy Sensor.
- 4 Tighten the thumbscrew bolt.



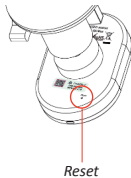
LED Indicator

LED Signal	Status
Off	Check the USB type C cable, or system power source
Slow green blinking	Power on, but not paired
Solid green	Matter is connected
Fast red blinking	Matter is disconnected
Slow red blinking	System Error
Solid red	Occupancy Detected



Button Function

Function	Operation
Reset	Press and hold the button for more than 6 seconds. The green LED will blink on successful reset. The sensor will restore to the factory default value and enter pairing mode.



Specification

Power Supply	5 V / 1.5 A USB type C Port
Protocol	Matter
Operating Temperature	0~40°C
Ambient Light	>5 Lux
Mounting	Support standard tripod hole 1/4-20 (1/4" diameter, 20 threads per inch) Wall mounting: 1.5~2m (Height)
Dimension	77(H) x 51(W) x 16.2(D) mm

Compliance

FCC

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.

15.105

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 to radio communications. 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.

15.21

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

FCC RF Radiation Exposure Statement

Mobile Device

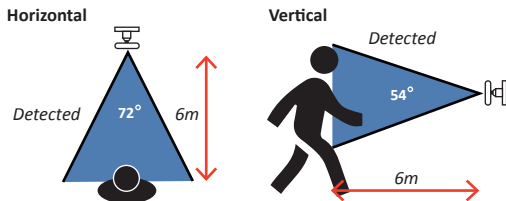
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

WEEE Information

For EU (European Union) member users: According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal.

Effective Detection Range

1. Effective detection range is marked with blue in the following two figures.
2. Please note the installing location. For example, if the installing height is 2m, you must keep clear within the arc radius of 50cm.

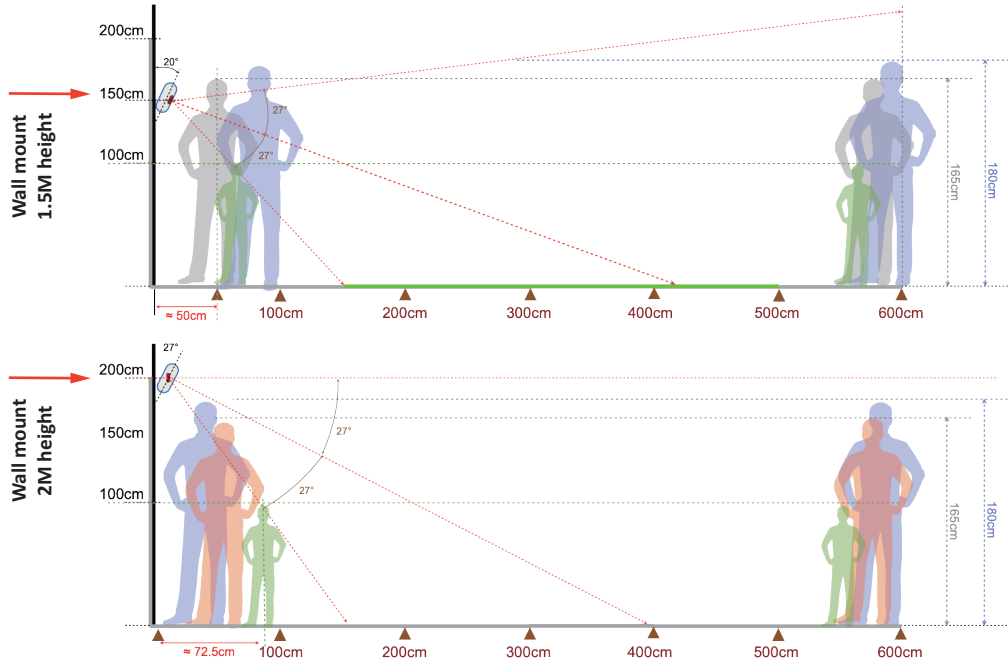


Placement Guideline

Wall Mount

Depending upon obstacles such as furniture or room layout, the area of coverage may be less or more than the sensing distances shown in the Effective Detection Range diagrams. This must be considered when planning the number of Occupancy Sensors and their placement. It is also recommended to place Occupancy Sensor at least 1.5M to 2M height from the floor plane.

Note: This Occupancy Sensor is not applicable for Ceiling-mount.



Operating RF Function

1. WIFI 2.4G

-IEEE 802.11b

-IEEE 802.11g

-IEEE 802.11n HT 20 MHz

2. Bluetooth

Add a Matter Device to the Apple Home App

1. System Requirements

Your Home Hub must be up-to-date and connected to the same Apple ID you use for your smart home. In addition, you will need to be within range of your smart device

- Internet connectivity to support IPv6 network, and a Wi-Fi network (Band 2.4GHz) capable of connecting to the Internet
- HomePod / HomePod Mini **v16.4 or above**
- Bluetooth and Wi-Fi enabled
- iPhone **iOS 16.4** or above

2. Set up an Apple Home Hub

An Apple Home Hub—either an Apple TV or HomePod—acts as a Matter Controller for your home and unlocks remote out-of-home access for your devices

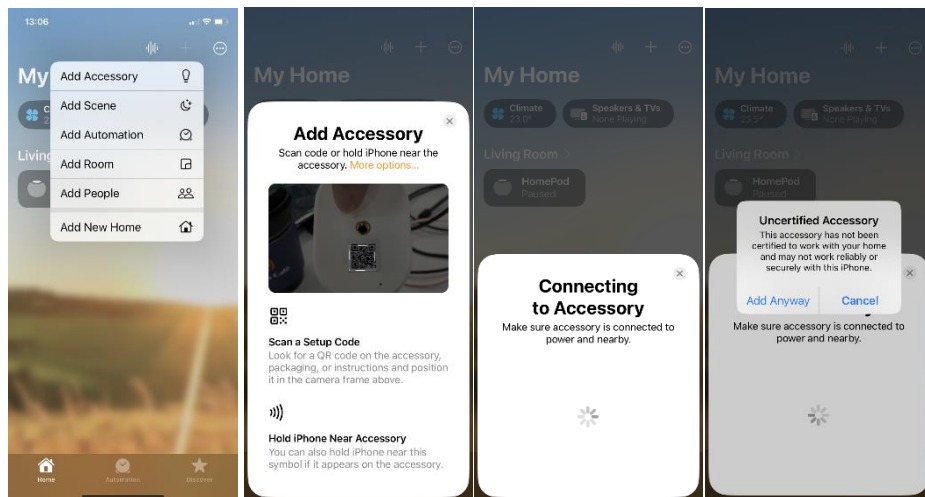


3. Add a SD42000N1 Device to the Apple Home App

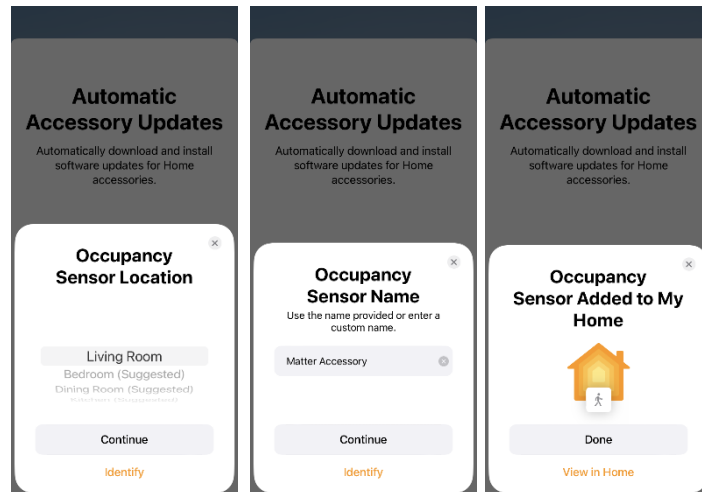
Step 1 : On initial boot, the SD42000N1 will default to the 'pairing mode'-Green LED blinking slowly (Or you can press and hold the reset button for 6 seconds to enter the pairing mode again)

Step 2 : Launch the Apple Home app on your iPhone or iPad. Next, tap the "+" button near the top right corner of your screen, then tap Add Accessory

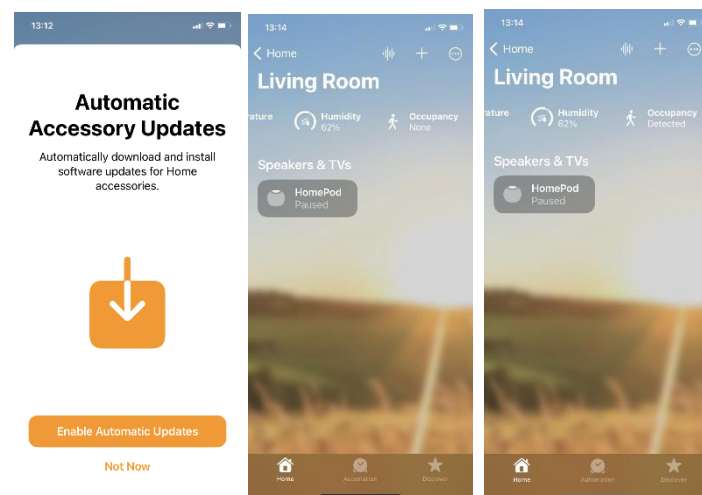
Step 3 : Scan the SD42000N1's Matter pairing code (back cover) using your camera, then tap Add to Home (tap 'Add Anyway' if the SD42000N1 has yet to receive a Matter certification)



Step 4 : After locating your device, the Home app will offer several customization options. Assign your device to a location or room in your home and tap Continue. The app will then prompt you to name your device. Select any additional appearance options or features (such as assigning a smart plug as a light, fan, or outlet), then tap Continue and Done to complete the setup process



Step 5 : Confirm the SD42000N1 status on the Home APP near the top right corner of your screen



4. Troubleshooting:

Step 1 : Check the SD4200N1 device status (Is the red LED flashing?)

Step 2 : Verify if the iOS version is 16.4 or above

Step 3 : QR Code quality issue? Does the network support IPv6 with Internet connectivity?

Step 4 : If the device does not display the correct ICON, it may be a device for which Matter has not yet defined functionality.

Step 5 : Some APP versions may still have bugs. If you use the Matter device for the first time after installation and the Home APP displays an incorrect status for it, click the APP to control the device before using the Home APP.