

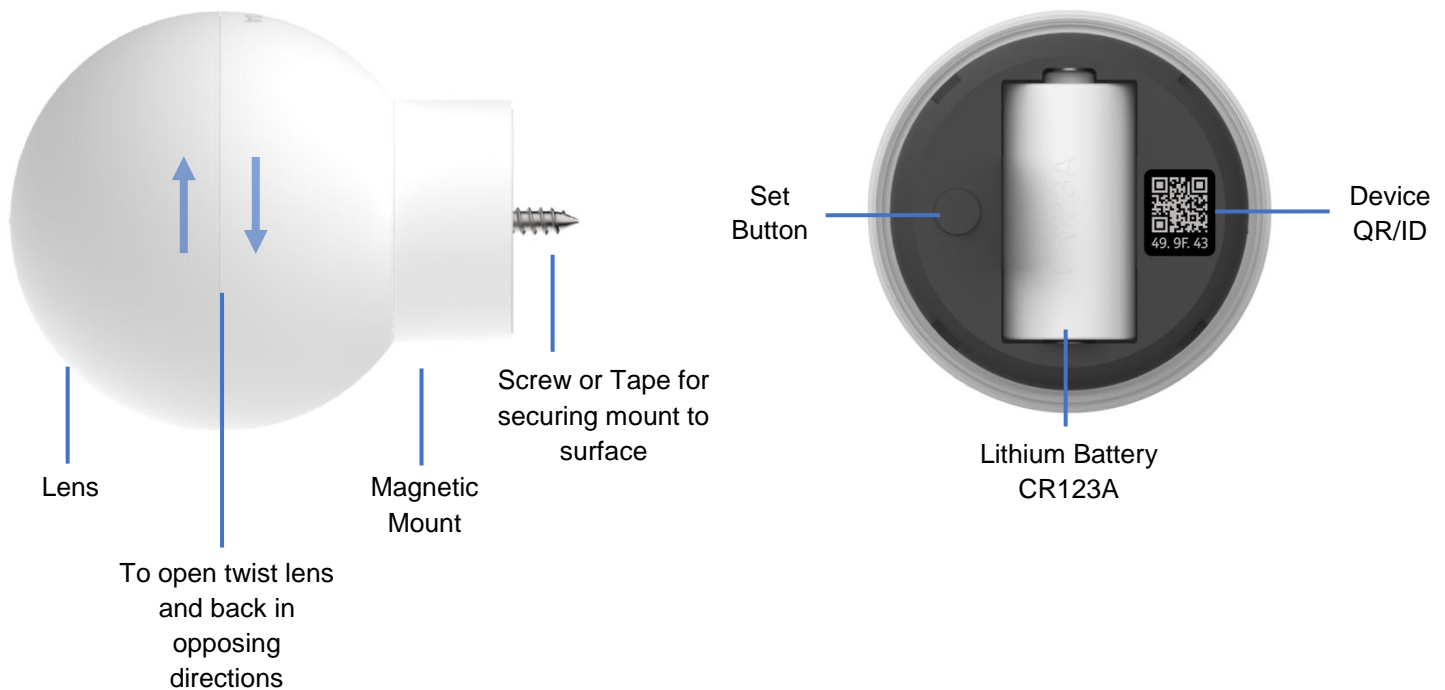
## Multi Sensor(MS01)



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## Device Overview



## Features

- Automatically turn lights on when entering a room
- Automatically turn lights off after a period of inactivity
- Long detection range of 30 feet with wide 110 degrees field of view
- Use indoor or outdoor
- Able to be paired manually to Smart Lighting products for installations not requiring a smart bridge
- Unlock more features when paired with a Smart Lighting Bridge
- Magnetic base makes it easy to adjust sensor viewing area. Simply set on a desk or shelf or permanently mount to flat surfaces using either screw or tape.

## What's Included

- Sensor
- Battery (CR123A)

- Magnetic mount
  - Adhesive tape
  - Mounting screw
- Quick start guide

## Requirements

- Smart Lighting products
- Bridge for app-based setup, configuration, and access to other sensing capabilities

## *Installation*

### Power on the sensor

1. Open the case: with the lens side facing you, grasp lens with one hand and the back cover with the other and twist the lens counter clockwise. It will turn and stop about 1/8". Pull lens and back cover apart.
2. Remove the clear plastic battery tab ensuring the battery is properly seated in place
  - Interpreting power up behavior:
    - Solid purple LED for 4 seconds followed by Quick green LED + beep**  
*Normal startup behavior with good battery.*  
*This sequence is followed by one of the following behaviors:*
    - **Solid Cyan (blueish green) LED for 1 minute**  
*Indicates device has not yet been paired. During this 1 minute, the sensor is awake and ready to be paired with a bridge via app (coming soon)*
    - **Solid Green LED for 4 seconds**  
*Indicates device has been paired*
    - **Solid Yellow LED with long beep**  
*Indicates low battery*

Choosing a location for the sensor

- General placement considerations - TBD
- Indoor - TBD
- Outdoor - TBD

Mounting sensor

The sensor mount is magnetic which allows you to easily attach it and the sensor to a metal surface. Or it can simply be placed on any flat surface. Alternatively, you can permanently attach it by way of removing the backing on the adhesive tape and pressing it firmly on a flat surface. A screw is also provided if mounting using adhesive isn't secure enough.

***Adding to Mobile App (COMING SOON)***

***Configure Settings from Mobile App (COMING SOON)***

***Configure settings manually***

Below is a table showing the steps to select from the various options. These and more are accessible via Smart Lighting app which is enabled by the Bridge.

P&H = Press and Hold for 3 seconds until the unit beeps

Set Button	1 P&H	2 P&H	3 P&H	4 P&H	5 P&H
Section	Linking	Unlinking	Countdown	Day/Night	Vacancy/Occupancy
LED Color	Green	Red	Blue	Cyan	Magenta
Mode	Link	Unlink	30 Sec	Day & Night	Vacancy
Set Button	Tap=Next	Tap=Next	Tap=next / P&H=Save	Tap=next / P&H=Save	Tap=next / P&H=Save
Mode	Multi-Link	Multi-Unlink	1 Min	Night Only	Occupancy
Set Button	Tap=Next	Tap=Next	Tap=Next / P&H=Save	Tap=Next / P&H= Save	Tap=Next / P&H=Save
Mode	Exit	Exit	5 Min	Set Night Level	Exit
Set Button	-	-	Tap=Next / P&H=Save	Tap=Next / P&H=Save	-
Mode	-	-	Exit	Exit	-

Configure sensor to control a single device

Configure sensor to control groups of devices

Perform any programming/setup near where you intend to permanently mount the sensor. This will ensure that expected location is or is not within range.

## ***Testing***

Tap the set button on the sensor to activate the linked devices. Tap again to de-activate.

## ***Manual Configuration***

Linking to control a light

1. Starting at the sensor, press and hold the set button for 3 seconds (it will beep and the LED indicator will begin blinking green)
2. At the switch
  - a. Adjust to your preferred lighting preset position (On, Off, 50%, etc.)  
***Tip:*** *if you want to adjust the speed at which dimmable switches fade to the preset position, follow the [steps to set the fade speed](#). When finished, be sure to complete the steps here within 4 minutes.*
  - b. Press and hold the set button until you hear a double beep
3. Repeat the steps above with each additional lighting preset controller. Be sure to include other lighting preset controllers as responders in order to ensure status is in sync (keypad buttons, multi-way circuits, etc).

Linking to control a group of lights

4. Starting at the sensor, press and hold the set button for 3 seconds (it will beep and the LED indicator will begin blinking green)
5. While the LED is flashing green, tap the set button (it will beep and the LED indicator will start double-blinking green) – the device is now in multi-link mode

6. At each of the switches, follow these steps one at a time
  - a. Adjust to your preferred lighting preset position (On, Off, 50%, etc.)  
**Tip:** if you want to adjust the speed at which dimmable switches fade to the preset position, follow the [steps to set the fade speed](#). When finished, be sure to complete the steps here within 4 minutes.
  - b. Press and hold the set button until you hear a double beep
7. When finished, tap the set button on your sensor(its LED will stop double blinking green)
8. Repeat the steps above with each additional lighting preset controller. Be sure to include other lighting preset controllers as responders in order to ensure status is in sync.
9. Test your lighting preset using your lighting preset controller. If you have any changes to make to any presets, you can do so by repeating steps 1-4 and then step 5 for any additional preset controllers you may have.

#### Unlink Sensor from Controlling Another Device

1. Press and hold the set button on the Sensor for 3 seconds (it will beep and the LED indicator will begin blinking green)
2. While the LED is blinking green, press and hold the set button again for 3 seconds (unit will beep and LED will start blinking red)  
**Tip:** if you plan on unlinking multiple devices, tap the set button once to put it into multi-unlink mode (it will beep and its LED will begin double-blinking red). This will allow you to unlink multiple devices without repeating these first steps for each device you unlink. When finished with the steps below, return to the Sensor and tap the set button once to take it out of multi-unlink mode otherwise it will automatically drop out of this mode after 4 minutes of inactivity.
3. At the other device, press and hold the set button until you hear a double beep  
**Note:** if your responder is a keypad, make sure you tap the button you wish to remove as a responder first before pressing and holding the set button
4. The Sensor LED will stop flashing to indicate the unlink is completed

## Factory Reset

The following process will reset your device back to its factory settings. Things such as on-levels, fade speeds, links to other devices will be removed.

1. Remove the battery
2. Press and hold set button all the way in and hold down.
3. While holding down the set button, install the battery
4. The Sensor will start to beep
5. When the beeping stops, stop pressing the set button

## ***Regulatory Statements***

Caution: not designed for wiring to a switched outlet

### ***Certification***

This device contains license-exempt transmitter(s)/receiver(s) that complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To maintain the compliance with the FCC's and Canada's ISED RF exposure guideline, place the unit at least 20 cm (7.9-inches) from nearby persons.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. 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 and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures: • Re-orient or relocate the receiving antenna of the device experiencing the interference • Increase the distance between this device and the receiver • Connect the device to an AC outlet on a circuit different from the one that supplies power to the receiver • Consult the dealer or an experienced radio/TV technician.

Cet appareil a été testé et s'avère conforme aux restrictions relatives aux équipements numériques de classe B, d'après l'article 15 des règlements du Conseil supérieur de l'audiovisuel américain (FCC). Ces restrictions ont été instaurées pour offrir une protection raisonnable contre les interférences nuisibles au sein d'une installation résidentielle. Cet appareil génère, utilise et peut émettre des fréquences radio et s'il n'est pas installé selon les instructions, peut nuire aux radiocommunications. Toutefois, rien ne garantit que des parasites ne surviendront pas dans une installation particulière. Si cet appareil cause des interférences nuisibles à la réception du téléviseur ou de la radio, ce que vous pouvez déterminer en ouvrant et en fermant votre appareil, nous vous invitons à essayer l'une des mesures correctives suivantes : • Réorientez l'antenne de réception installée sur l'appareil qui manifeste les parasites. • Éloignez l'appareil du composant qui reçoit les ondes. • Branchez l'appareil dans une prise de courant CA différente de celle du composant qui reçoit les ondes. • Au besoin, consultez votre marchand électronique ou un technicien spécialisé dans le service des radios/téléviseurs pour des suggestions supplémentaires.

WARNING: Changes or modifications to this device not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.