

EcoStruxure™ Building-IoT Room Occupancy Sensor

The IoT Room Occupancy Sensor Solution is a compact, battery-based, easy-to-install wireless sensor that is used in conference rooms and open spaces to detect occupancy.

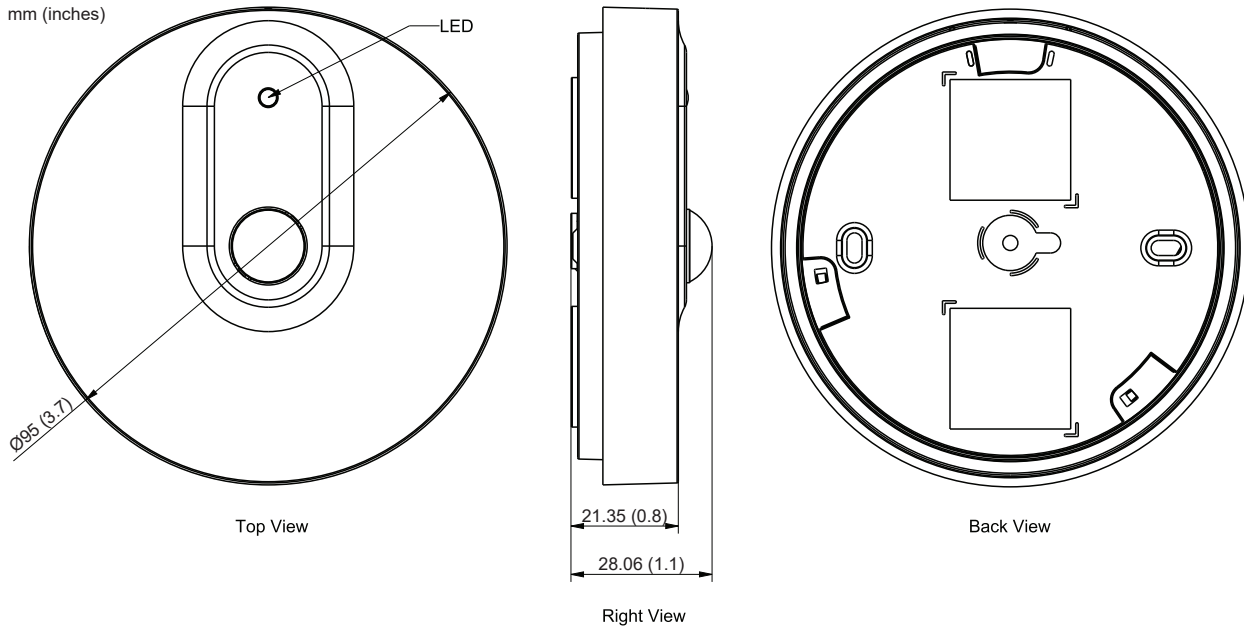
Regulatory Compliance and Safety Information

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

Carefully read these instructions and all information relevant to this product before trying to install it.

The technical literature and declarations of conformity can be accessed on the Schneider Electric Exchange website, ecoxpert.se.com. Contact your local Schneider Electric sales office for a hard copy of the documentation or for additional information.

Dimensions



Installation Restrictions

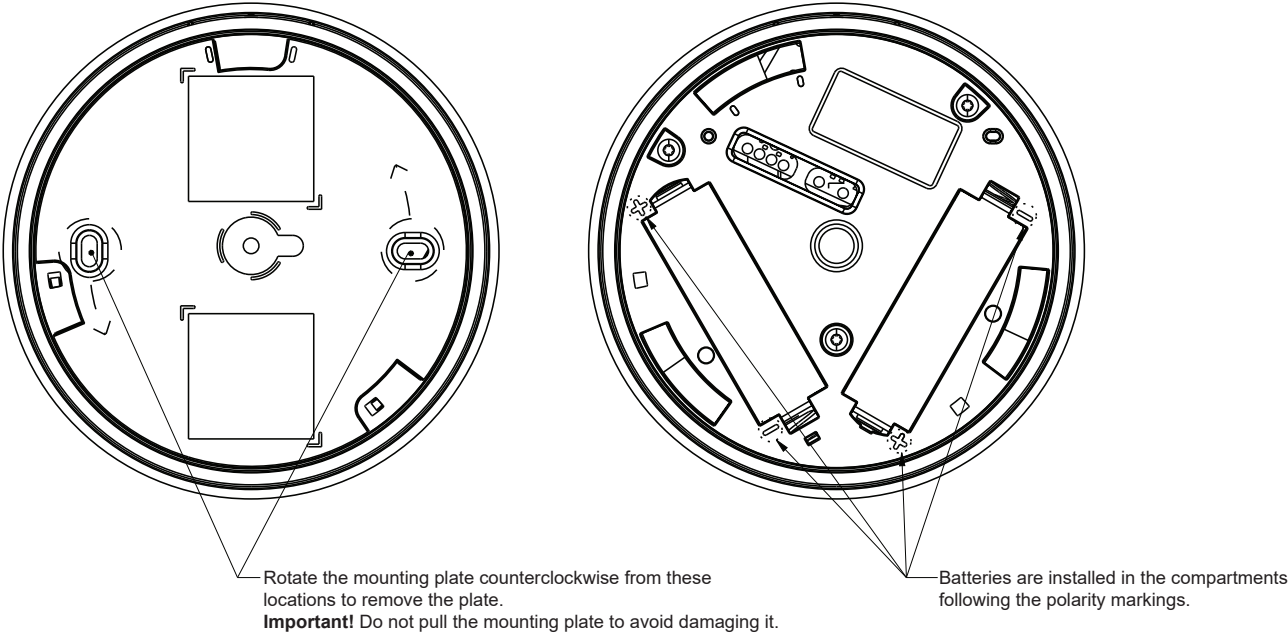
NOTICE

REDUCED DEVICE PERFORMANCE

- This device is for indoor use only and is not suitable for wet locations.
- Before installation, do not expose the thermal image sensor on the device to direct sunlight for more than a few seconds.
- Do not install the device close to an exterior window or heating sources.
- Do not install the device on a metal surface.
- Do not use the device if it has fallen on the ground or the lens is deformed.
- Keep all sensors on the device clean of dust, paint, and other contaminants.
- When replacing a device, install the new device in the same position and direction as the replaced device.
- Do not use rechargeable or alkaline batteries, mix and match batteries, or place new batteries in with old ones.
- It is recommended to use the L91 batteries provided with the device to meet the required performance.
- Do not lift or bend any device parts and do not pull on the device when mounted.
- Avoid using sharp objects to press the button.
- Do not press the LED or PIR sensor with anything.

Failure to follow these instructions can result in reduced device performance or equipment damage.

Installing the Batteries



⚠ DANGER

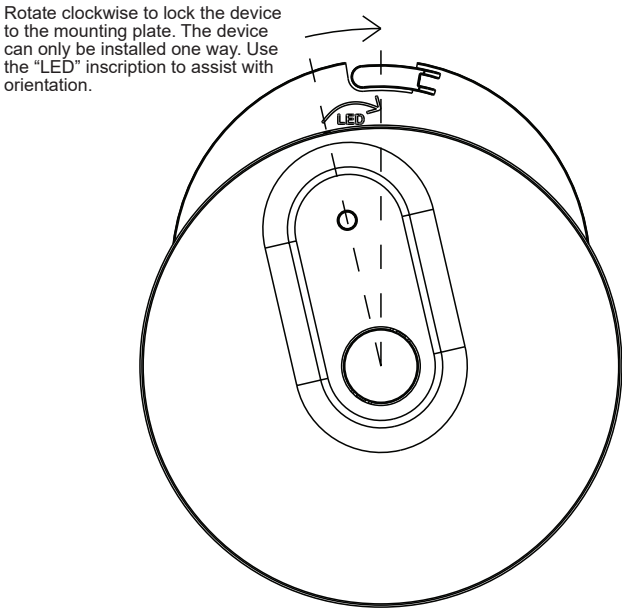
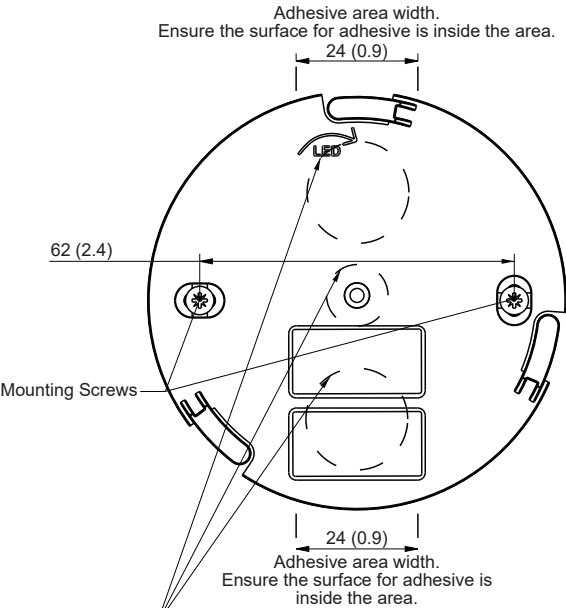
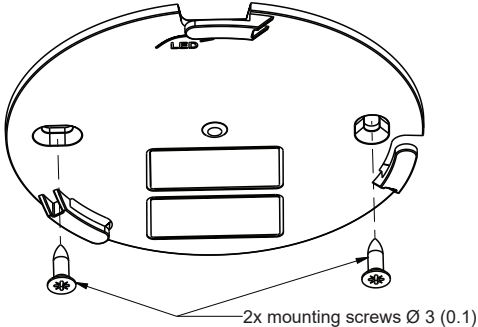
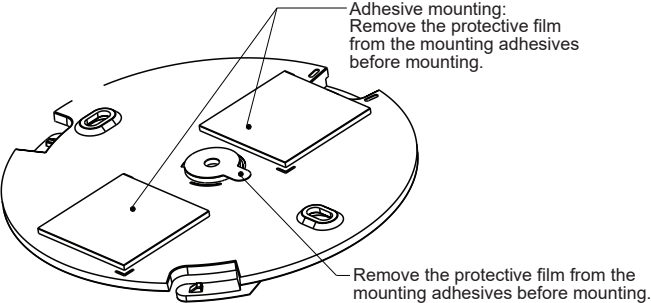
DISPOSAL OF BATTERIES

- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

Failure to follow these instructions will result in death or serious injury.

Mounting the Device

mm (inches)

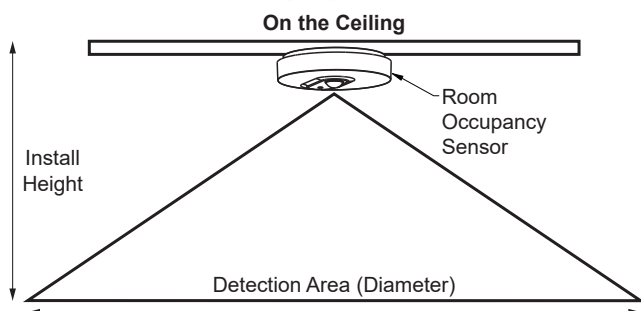


- Important!**
- When using adhesive tape to mount the device, press both marked areas for 5-10 seconds to help ensure proper adhesion to the surface.
 - If mounted using screws, press for 5-10 seconds only on the bottom right area to help ensure proper adhesion of the magnet to the surface.

Device Field-of-View

PIR-based motion detection specifications:

- The sensor offers a maximum height detection of up to 3.35 m (11 ft).
- The passive infrared (PIR) sensor field-of-view is 52.5° vertical and 52.5° horizontal.



Install Height	Detection Area (Diameter)
3.35 m (11 ft)	8.73 m (28.64 ft)
3.04 m (10 ft)	7.92 m (25.98 ft)
2.74 m (9 ft)	7.14 m (23.43 ft)
2.43 m (8 ft)	6.33 m (20.78 ft)
2.28 m (7.5 ft)	5.94 m (19.49 ft)

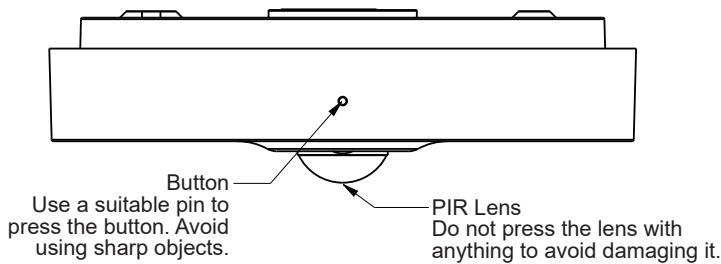
NOTICE

DEVICE PERFORMANCE

By default, the Room Occupancy Sensor reports transitions from unoccupied to occupied status nearly instantly. However, the transition from occupied to unoccupied is set with a default timer of 5 minutes. Should you wish to customize this duration, please access and configure it via our cloud portal to match the specific needs of your space.

Failure to follow these instructions can result in altered device performance.

Commissioning the Device



Part Numbers

Product	Part Number
EcoStruxure Building-IoT Sensor Solution, Room Occupancy	EBIOTPCWR

LED Behaviors

Operation	Button	LED	Description
Current connection status	Short press of <3s	Blinking red every 1s for 5s	The sensor is not connected to a network
		Blinking green every 1s for 5s	The sensor has successfully connected to a network
Starts the connection process	Medium press of >3s and <20s	Blinking yellow every 1s	The sensor is attempting to connect to a network
		Blinking green every 1s for 5s	The connection process was successful
		Blinking red every 1s for 5s	The connection process failed
Wireless network settings reset	Long press of >10s	Solid red for 5s	After 5 seconds, all Wireless network settings are reset to default values and the device is rebooted

General Specifications

Motion detection

Sensor

Passive infrared

Maximum detection distance

3.35 m (11 ft) from the ceiling

Field-of-view

Horizontal view

52.5°

Vertical view

52.5°

Material

Enclosure

ABS (Acrylonitrile-Butadiene-Styrene)

Ingress protection rating

IP 20

Color

White

Surface finish

Glossy

Mechanical

Dimensions

Ø95 L x 95 W x 21.35 H mm

(3.7 L x 3.7 W x 0.8 H in)

* Actual lifespan could vary. The amount of activity may affect the battery lifespan.

Weight

120 g (0.26 lb)

LED indicator

Red, green and yellow

Button

1

Electrical

Powered by

2x 1.5V AA L91 Lithium batteries

Estimated battery life span

Up to 5 years*

Wireless connectivity

Communication protocol

2.4 GHz, Sensor Network supporting Mesh

Technology

Wireless communication range, indoor

15 sq. m (50 sq. ft), open space

Output power

Up to 8 dBm

Environment

Environmental conditions

Indoor use only

Ambient temperature, operating

0 to 50 °C (32 to 122 °F)

Humidity, operating

20 to 80 % Relative Humidity (non-condensing)

Ambient temperature, storage

-20 to 60 °C (-4 to 140 °F)

Humidity

0 to 95 % Relative Humidity (non-condensing)

Installation

Placement

Ceiling mount or wall mount in rooms and open spaces

Tamper detection

Tamper status reporting for product removal after installation and commissioning.

Installation equipment, included

Mounting tape, screws, 2 x 1.5V AA L91 batteries, installation instructions

Addendum - California Proposition 65 Warning Statement for California Residents

⚠ WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

部件名称 (Part Name)	有害物质 (Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件 (Plastic Parts)	○	○	○	○	○	○
电子件 (Electronics)	X	○	○	○	○	○

本表格依据 SJ/T11364 的规定编制。(This table is made according to SJ/T 11364.)

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

(Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.)

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

(Indicates that the concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.)



Regulatory Notices

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.

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. Cet appareil est conforme à la norme RSS exempte de licence d'Industrie Canada. L'opération est sous réserve des deux conditions suivantes: (1)

Cet appareil ne doit pas causer d'interférences; et (2) Cet appareil doit accepter toute interference fonctionnement indésirable de l'appareil.