ILLUMRA E9T-OBP RIP Motion Sensor User Guide

Contents

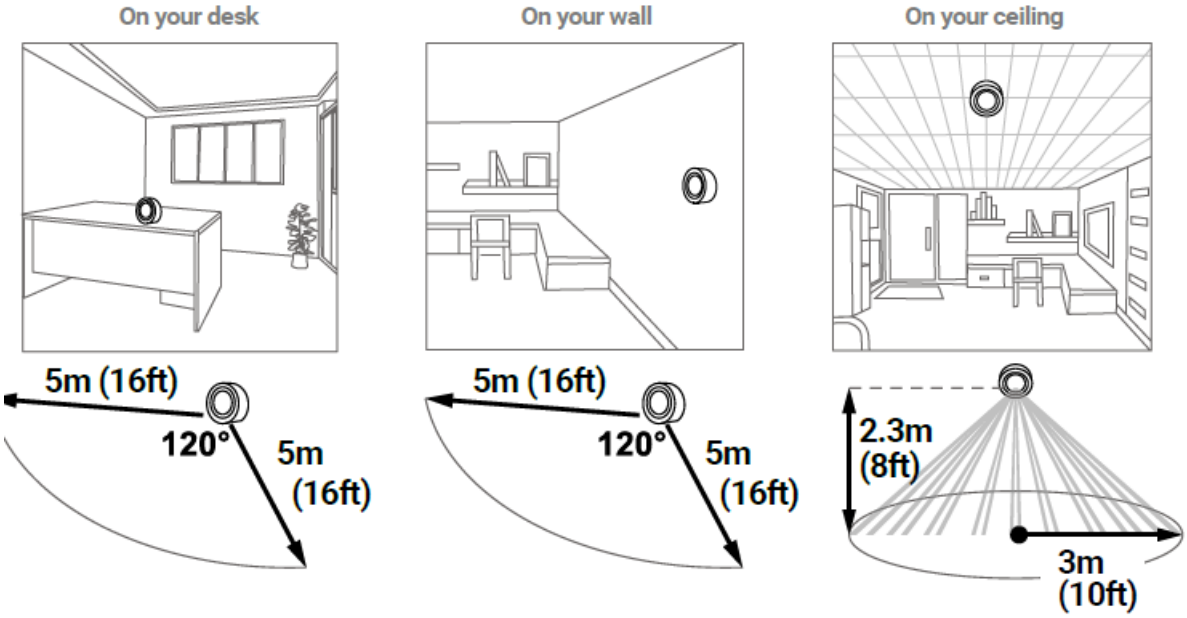
ILLUMRA™
SELF-POWERED WIRELESS CONTROLS

ILLUMRA E9T-OBP RIP Motion Sensor

The ILLUMRA® PIR Motion Sensor detects motion and links directly to controllers such as the ILLUMRA® LED Dimmer, ILLUMRA® ON/OFF Controllers, etc. The ILLUMRA® PIR Motion Sensor offers hands-free convenience by turning lights On when entering closets, bathrooms, and other areas and saves energy by automatically turning lights OFF after an adjustable timeout when no motion is detected. An integrated light sensor can be configured to keep lights off when natural light is available.

INSTALLATION

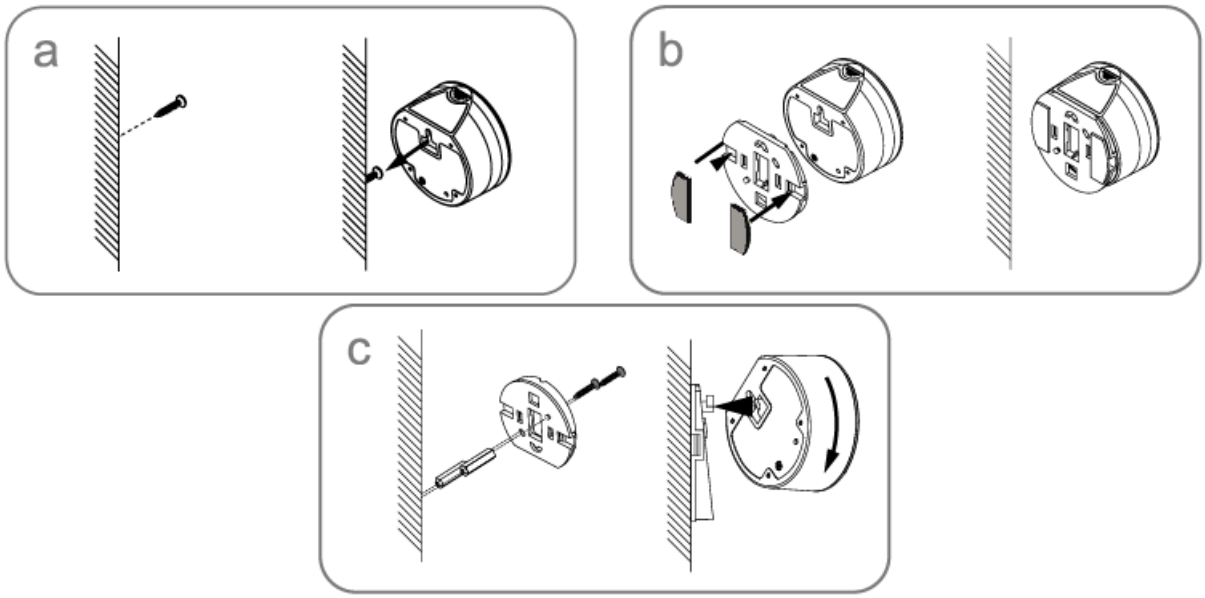
Thanks to its shape and the included accessories, you can install your PIR Motion Sensor anywhere in your house.



ON YOUR WALL

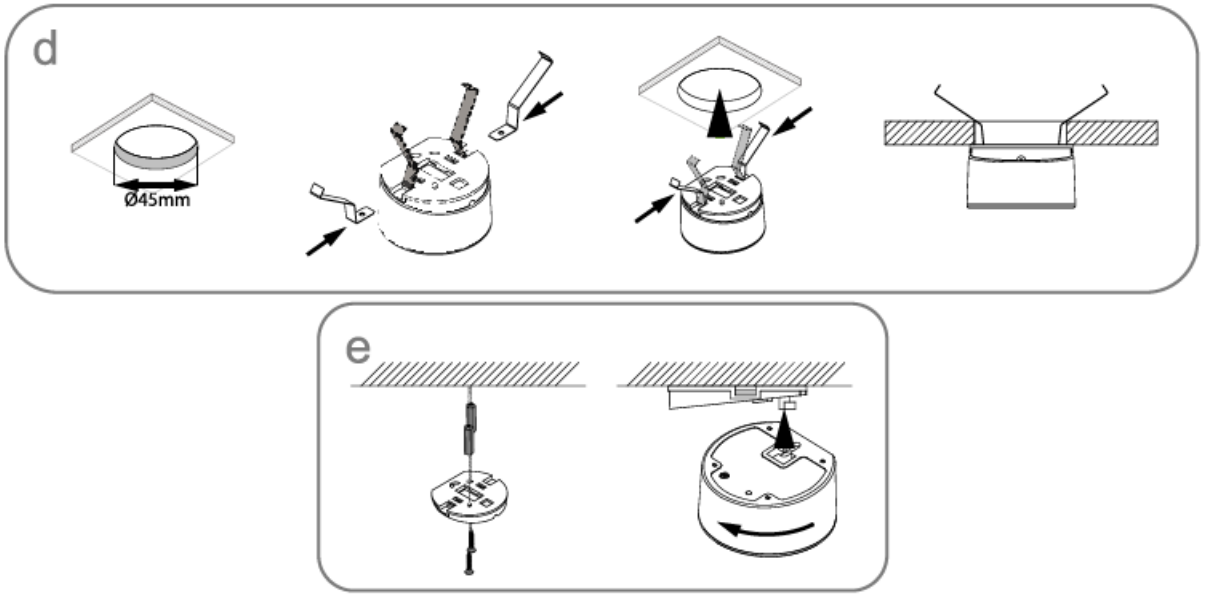
- a. Use a screw to hang your sensor on the wall.

- b. Stick your sensor on the wall with double-sided tape.
- c. Screw the support on the wall to mount your sensor on it.



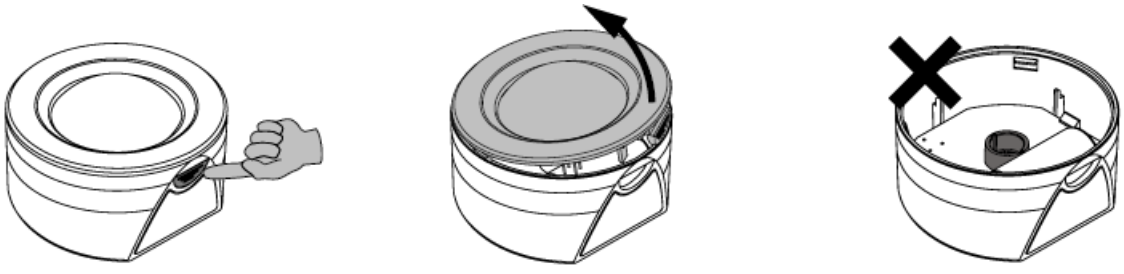
ON YOUR CEILING

- d. Drill a 45mm diameter hole in the thin ceiling to insert the included fastening hooks and mount the support in them.
- e. Mount your sensor into the support.



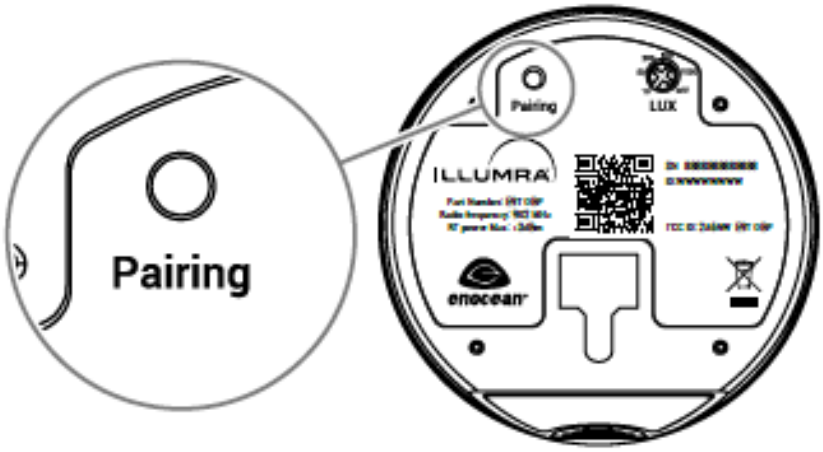
REPLACING THE BATTERY

In order to replace the battery, open the product following the below instructions. Please, make sure you don’t touch the sensing part located in the middle of the circuit board.



PAIRING PROCEDURE

The ILLUMRA PIR Motion Sensor links directly with receivers such as the ILLUMRA LED Dimmer, ILLUMRA On/Off controllers, gateways, etc., and transmits occupied signals upon motion detection and un-occupied signals after a period of no motion.



SETTINGS

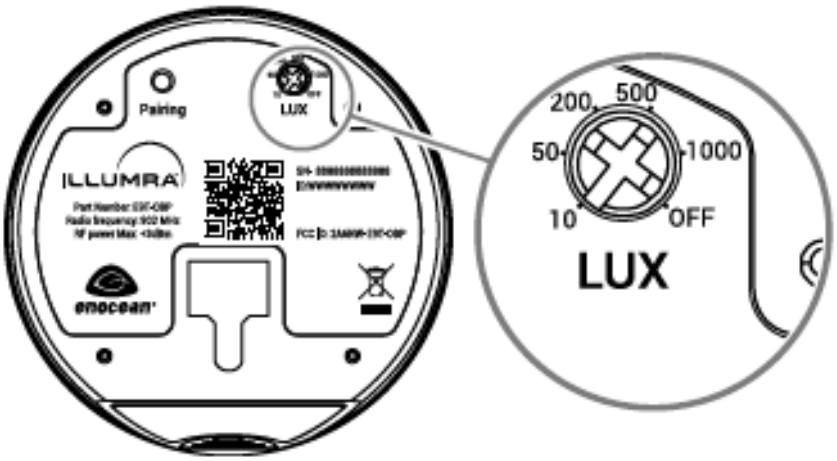
The ILLUMRA PIR Motion Sensor has several user-selectable options.

WALK TEST MODE

When the product is powered-up for the first time (after removing the battery), the sensor enters into « Walk Test Mode ». For 3 minutes, the LED will flash every time a motion is detected. Use this feature to find the perfect location, and its efficiency, for your sensor.

LIGHT SENSITIVITY

The ILLUMRA® PIR Motion Sensor embeds an ambient light sensor, allowing to only detect movement under a luminosity level: If the ambient light is below the limit defined by the potentiometer, an ON or OFF frame will be sent when motion is detected. The feature can be deactivated by placing the potentiometer on position OFF. Default position: OFF.



AUTO OFF-TIME SETTING

When linked to a compatible receiver, the ILLUMRA® PIR Motion Sensor is capable of switching the receiver ON when Motion is detected and OFF after a timeout with no motion detected. Please note that the auto-off timer is reset every time motion is detected. To adjust the Auto-Off Time, long press on the « Pairing » button for 3 seconds until the LED indicator illuminates the lens to indicate the sensor is in the « Setting Mode ». While in the « Setting Mode », press the button to cycle to the desired Auto-Off Time. With each press, the LED will blink a certain number of blinks to confirm the current setting (See table below for details).

Auto off-time	30sec	5min	15min	30min
Number of press after glowing	1st press	2nd press	3rd press	4th press
LED blinks	1	2	3	4

« Setting » Mode will automatically exit and the setting saved, after no action on the button for 5sec. By default, the Auto-Off time is set at 30sec.

Best Practice
In a hallway, or location place where people spend less time, set up the Auto-Off time to a small value, to automatically switch OFF the light as fast as possible (and save energy). In a meeting room or location where people will be present with less motion, set up the Auto-Off time to a longer value, to avoid the light switching OFF while the room is still occupied. After the Auto-Off timer elapses with no motion detected, the light will automatically turn OFF.

LOW BATTERY INDICATOR
The LED will flash twice every 10sec when the battery needs to be replaced.

HEARTBEAT SETTING
The Heartbeat is an automatically triggered frame and is sent every 30min. It contains information from the sensor, such as current Lux level, battery level, and current sensor state (Movement / No Movement). By default, the Heartbeat is activated. To deactivate (or activate) the Heartbeat, press 3 times on the « Pairing » button. If the LED glows 1 time, the Heartbeat will be set OFF. If the LED glows 2 times, the Heartbeat will be set ON. If you want to change this parameter, press again 3 times on the « Pairing » button.

FCC STATEMENT

Note:
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.

Note:
The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user’s authority to operate the equipment. The device has been evaluated to meet general RF exposure requirements. To maintain compliance with FCC’s RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body and fully supported by the operating and installation configurations of the transmitter and its antenna(s). 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.

This product must be used indoors only

When sorting your waste, please observe the disposal regulations in force. Please place your waste in the facilities provided for that purpose and with all due respect for the environment. This product is compliant with EnOcean® radio protocol.

CONTACT

Manufacturer & Importer:
ILLUMRA Lindon, UT 84042 Made in China.

AFTER-SALES

- www.ILLUMRA.com
- support@ILLUMRA.com

Documents / Resources

	ILLUMRA E9T-OBP RIP Motion Sensor [pdf] User Guide E9T-OBP, E9TOBP, 2A6NW-E9T-OBP, 2A6NWE9TOBP, RIP Motion Sensor, E9T-OBP RIP Motion Sensor

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