

H2

Series Wireless Ceiling Mount Occupancy Sensor

1 Product Overview

1.1 Product Description

The Wireless Ceiling Mount Occupancy Sensor can be embedded or mounted on a flat surface in the ceiling, making installation flexible and versatile, and is powered by a CR123A battery (or can be wired for AC power). When the sensor is paired with the wireless controller, the light can be switched on by wireless control when a person is sensed, and switched off by wireless control when no person is sensed. This sensor solution is suitable for use in homes, classrooms, offices, warehouses, etc.

1.2 Product Images

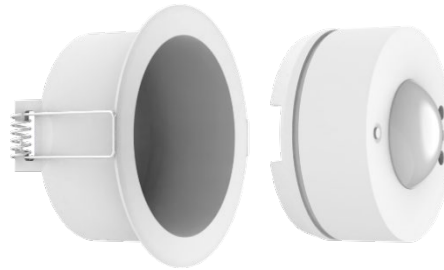
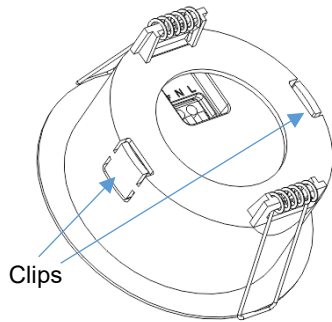


Ceiling recessed installation version



Ceiling plane installation version

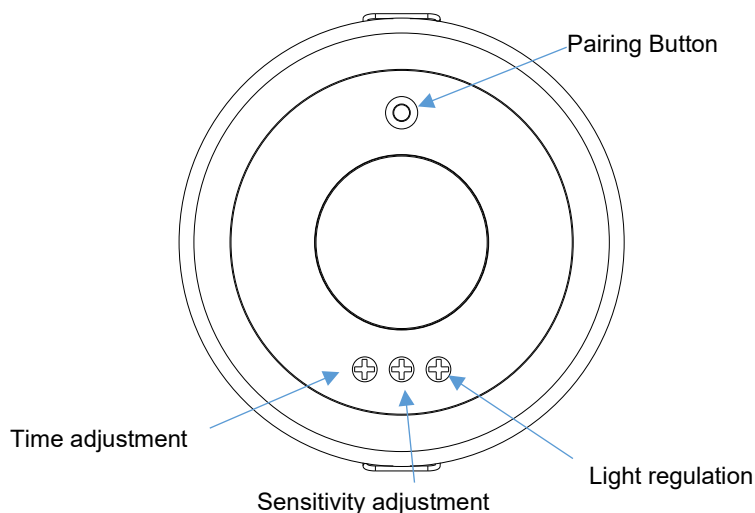
Note: If the “Ceiling plane installation version” is required, the sensor can be detached from the recessed base (by pressing on the clips at both ends of the base)



Detaching the sensor from the recessed base

2 Functional features

2.1 Key Descriptions



2.2 How to pair with the controller

Step 1: Press and hold the pairing button on the body sensor for 3 seconds, the sensor light goes into a slow flash (1 flash per second) and then release.

Step 2: Press the pairing button on the controller for 3 seconds, the controller indicator light flashes slowly (1 second flash) and then release, at which point the controller enters pairing mode.

Step 3: Press the pairing button on the body sensor once, after the indicator light on the controller stops flashing, it means the pairing is successful, i.e. the light is automatically switched on when people are sensed and switched off when people are not sensed.

3 Technical specifications

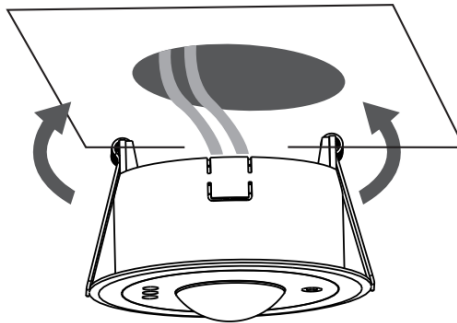
Projects	Parameters
Power supply method	Battery CR123A / AC100-240V 50/60Hz
Battery life	5 years
Communication frequency	RF 433MHz
Communication distance	30m
Area covered	30 m2 - 62 m2
Mounting height	2.44-3.66m
Detection range (adjustable)	0-10.06m
Light range (adjustable)	10-2000lux
Time range (adjustable)	3s - 30 minutes
Detection angle	360°
Operating temperature	-10°C ~ +50°C
Storage temperature	-20°C ~ +80°C
Working humidity	0% ~ 95%RH (no condensation)
Indicator light	Red (pairing indicator/low battery alert)
Mounting method	Insert: Positioning spring fixing Flush mounted: Snap-on fixing to base
Environment of use	Indoor use only
Implementation standards	Europe: CE/ROHS USA: ASHRAE 90.1, IECC and Title 24 Energy Code requirements.

4 Installation diagram

(1) Recessed ceiling mounted version.

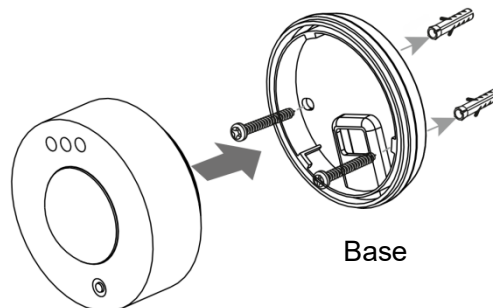
The positioning spring of the body sensor is pushed back and fitted into the 75mm hole in the ceiling. The positioning spring is folded back and secures the body sensor to the ceiling.

Note: The sensor can be powered directly by the battery or by AC power through wiring

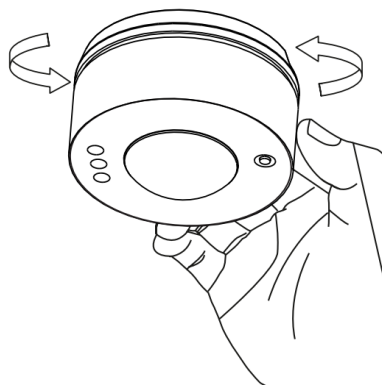


(2) Ceiling plane mounted version

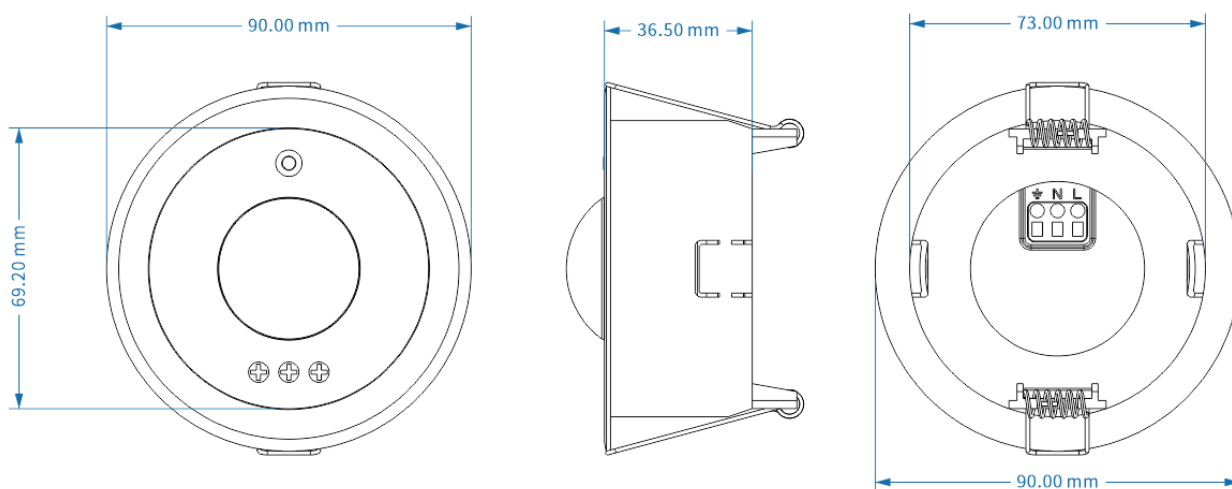
Step 1: Separate the base by turning it counter-clockwise and fix it to the ceiling by means of locking screws.



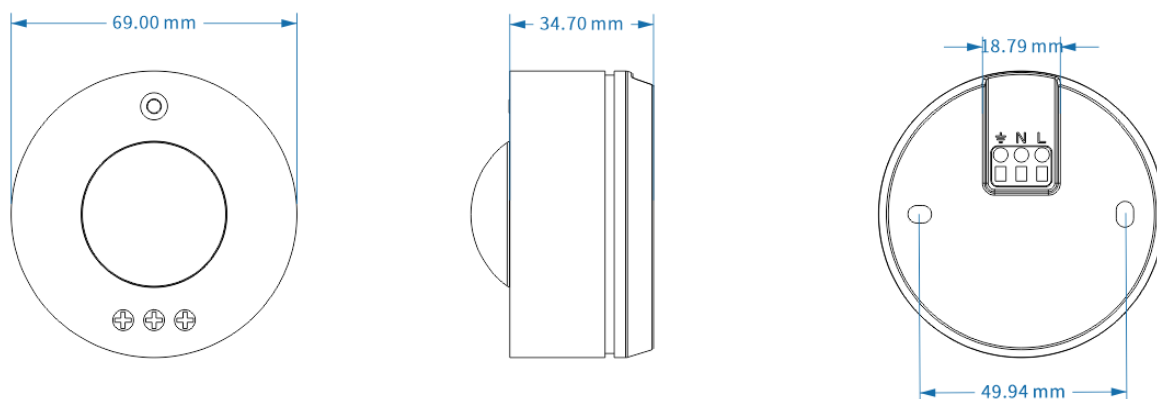
Step 2: Secure the sensor to the base by rotating it clockwise.



5 Product size



Ceiling recessed installation version



Ceiling plane installation version