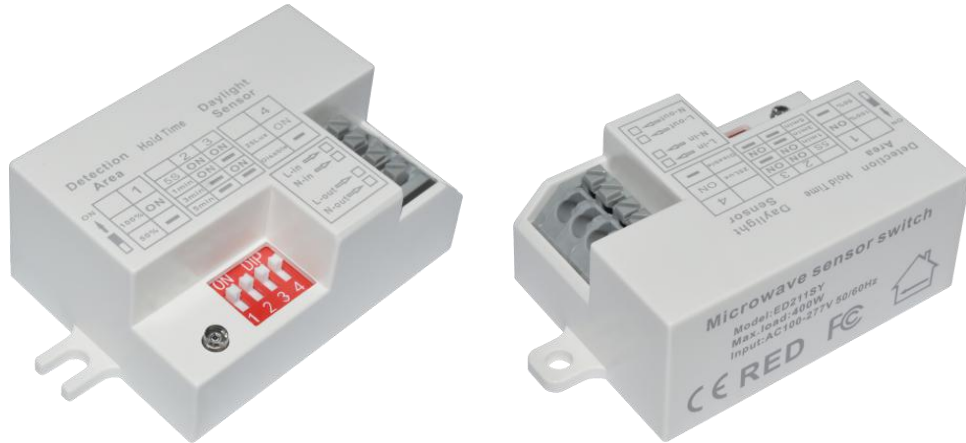
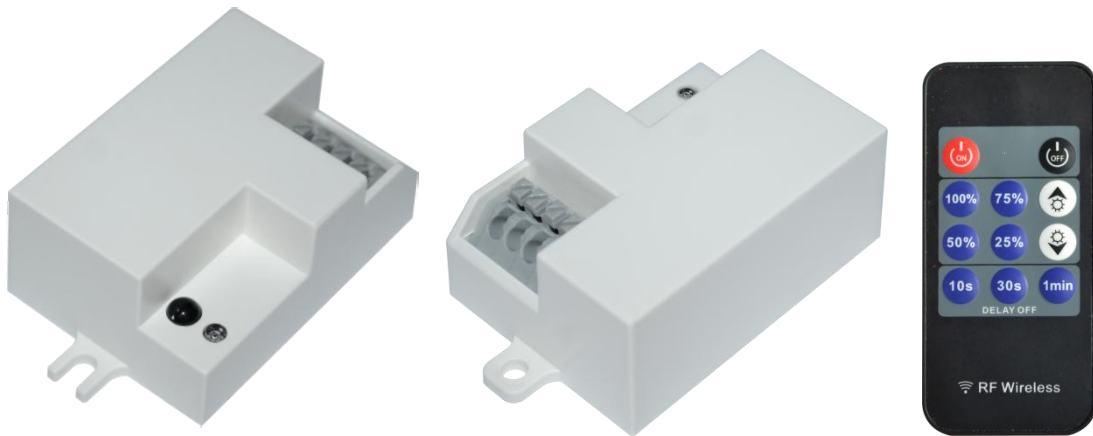


Features



EDC211D-A



EDC211D-B



- The shell is made of flame-retardant materials, with a fire rating of V-0;
- Patented antenna design, super anti-interference; digital radar chip, good consistency;
- Not affected by temperature, humidity, airflow, dust, noise, brightness, etc.;
- The batch meets the requirements of EN300440 and EN301489 standards;
- Meet environmental protection requirements.

Typical application products

EDC211D typical application



Ceiling light



Panel Light



Three anti-light



High bay lights

*The above are typical application products, and more products can be expanded

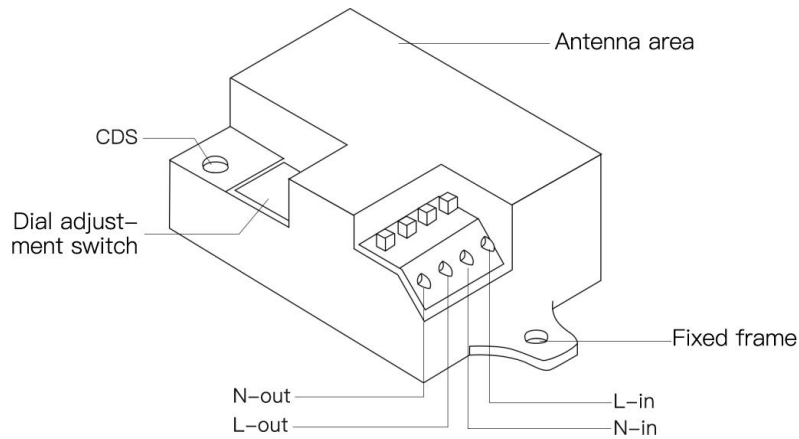
Electrical properties

Transmit frequency	5.8GHz±15MHz	
Load power	< 400W @100V-240V	
Operating Voltage	AC 100-240V	EDC211D-A/EDC211D-B
3db beam angle	93°(XZ plane) 99°(YZ plane)	
Standby power consumption	< 0.5W	
Sensing distance	3.5-6m	
Delay time	5s	
Photosensitive threshold	25Lux	
Antenna gain	4dB	
Operating temperature	-20...+70°C	
storage temperature	-20...+105°C	
<p>Remarks: 1. The test distance range is based on the module hanging height 3m, indoor environment test, the tester's height is 170cm, the weight is 65-75kg, and the walking speed is 1m/s (2 steps per second). Different installation scenarios may cause range changes. Subject to actual test;</p> <p>2. Due to the spectral characteristics of the photosensitive device, the threshold is uniformly tested under natural light conditions;</p> <p>3. The delay time can be customized according to customer needs, with a delay tolerance of ±10%.</p>		

Product information

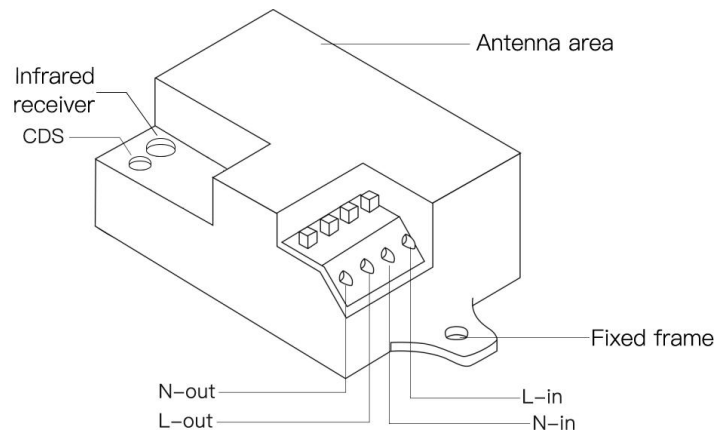
Model	Function description	Input voltage
EDC211D-A	Four-position adjustment dial code	100-240V input
EDC211D-B	Infrared remote control adjustment	100-240V input

Pin description



EDC211D-A Pin

Pin	Description
L-out	Fire wire out
N-out	Zero line out
L-in	Fire wire in
N-in	Zero line in



EDC211D-B Pin

Pin	Description
L-out	Fire wire out
N-out	Zero line out
L-in	Fire wire in
N-in	Zero line in

DIP switch settings

First place: Sensing distance setting	
	1
100%	ON
50%	-

According to different applications, the sensing distance can be adjusted by the code switch to set 100%, 50%

Second and third digits: delay time setting		
	2	3
5s	ON	ON
1min	ON	-
3min	-	ON
5min	-	-

Delay time refers to the time that the light is on after the moving object leaves the sensing area. The gears can be set: 5s, 1min, 3min, 5min

Fourth place: photosensitive threshold setting	
	4
25Lux	ON
Disable	-





When the ambient illuminance value is lower than the set valve, an object moves in the sensing area. Stalls are: 25Lux / all day

Infrared remote control settings

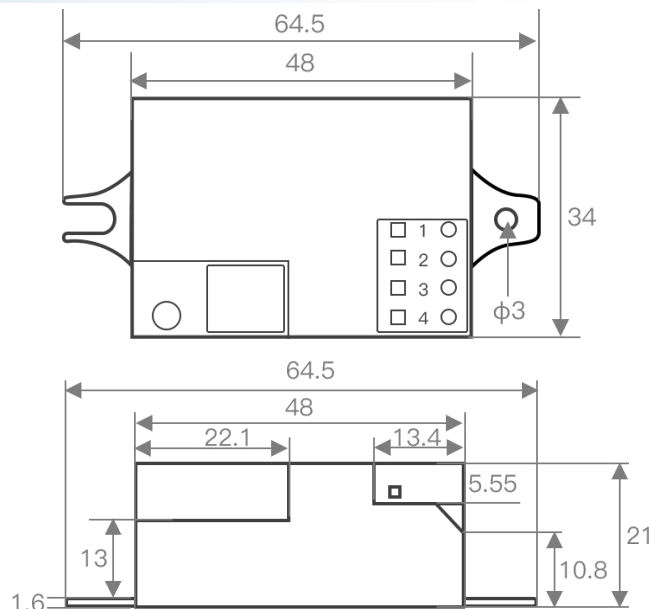


100%: the farthest distance
 75%: farther away
 50%: closer
 25%: short distance

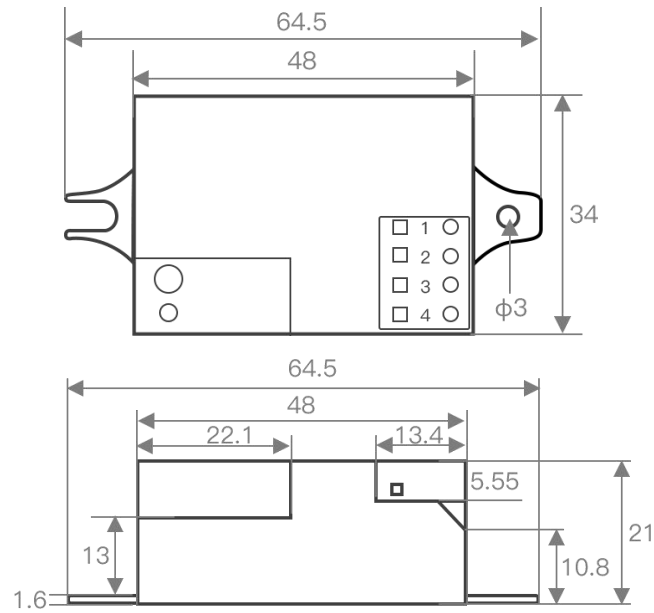
10s: select time 10s
 30s: select the time 30s
 1min: select time 1min

-  Turn on the photosensitive function
-  Turn off the photosensitive function
-  30Lux
-  15Lux

Product size chart



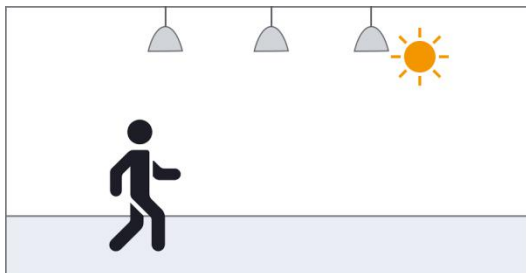
EDC211D-A unit: (mm)



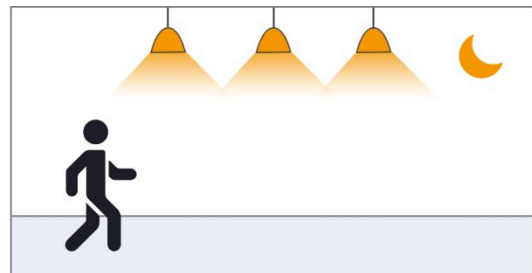
EDC211D-B unit: (mm)

Function Description

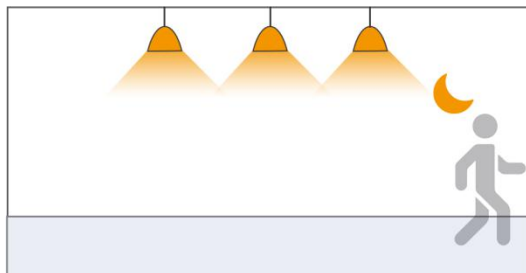
Photosensitive function is on



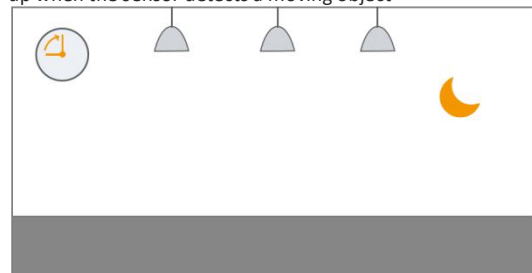
When the ambient light is bright enough, the light will not automatically light up even if a moving object is detected



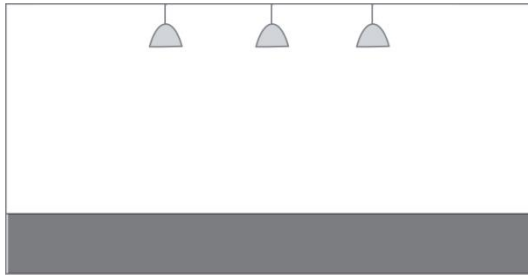
When the ambient light is lower than the preset photosensitive threshold, the light will automatically light up when the sensor detects a moving object



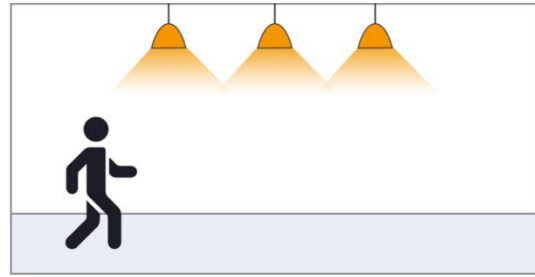
After the moving object leaves, the sensor will enter the delay time when it cannot detect the moving object and



After the preset delay time, the light will automatically turn off

Photosensitive function is off

No moving objects can be detected, and the lamp goes out



When the sensor detects a moving object, the light automatically lights up at 100% brightness and enters the set delay time

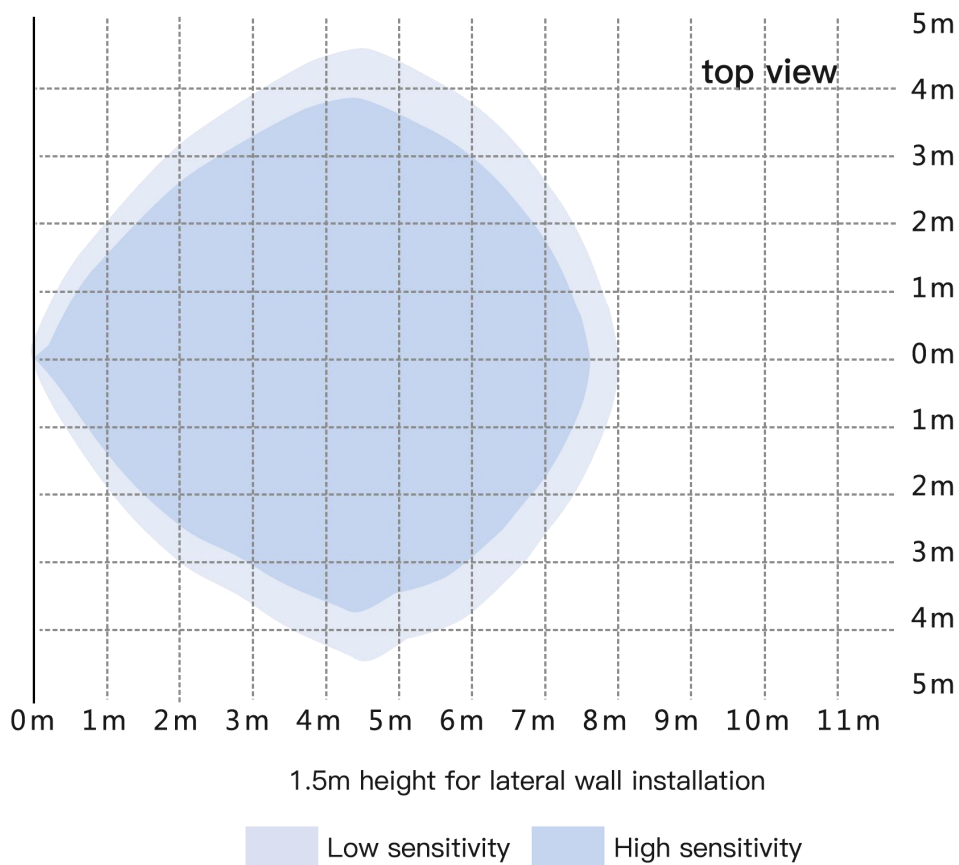
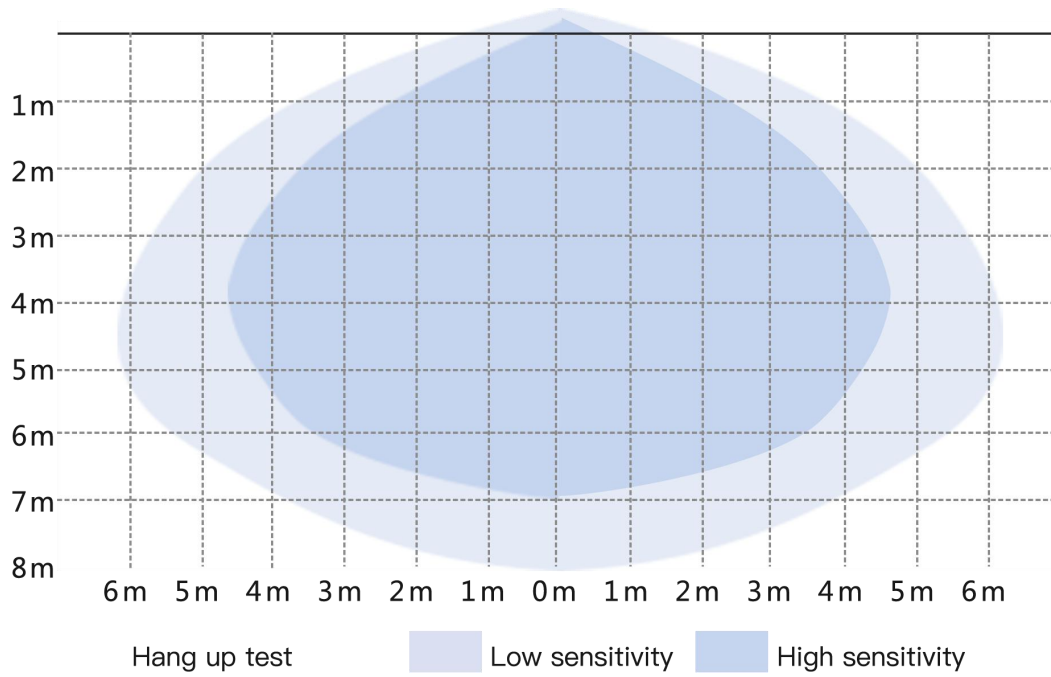


After the delay time, when the sensor cannot detect any moving objects, the lamp will be off

Packaging Information

Support packaging: Blister packaging Bubble bag packaging PE bag packaging

Detection diagram



*Note: The distance can be adjusted according to the actual application

Precautions

1. The installation process of the product requires keeping the antenna board at a certain height away from the metal plane, and not close to or touching the metal plane, otherwise the product may not work normally!
2. Avoid installing metal accessories or shells. Metal will block microwaves and affect the effect; therefore, this product should not be installed in a metal shell. However, the penetration effect is better for obstacles such as plastic, ceramic, and wood soil;
3. The output current of the sensor is very weak. Excessive current driving is likely to cause false alarms. The load can be driven by isolation driving, or the MCU can be used to read the output port status;
4. When multiple sensors are used in the same site, it is recommended that the product installation distance be greater than 1.5m. Too close installation distance may cause false alarms in individual cycles;
5. The antenna surface should be protected from high current circuit coverage, which may cause interference.

History revision record

Revision	Date	Description	Remarks
V1.0	2021-01-04	-	-

Product naming law

ED	Frequency	Product Category	Product	Antenna	Characteristic	Delay time	Customer	Configuration
ED	band	2	number	type	-	5Y	Number	1
	C		11	D			1A	
	<input type="checkbox"/> S 3GHz <input type="checkbox"/> F 6GHz <input checked="" type="checkbox"/> C 5.8GHz <input type="checkbox"/> Q 24GHz <input type="checkbox"/> V 60GHz <input type="checkbox"/> W 77GHz	<input type="checkbox"/> 1 Microwave sensor <input checked="" type="checkbox"/> 2 Microwave sensor switch <input type="checkbox"/> 3 radar antenna <input type="checkbox"/> 4 MCU <input type="checkbox"/> 5 Microwave power supply <input type="checkbox"/> 6 IC <input type="checkbox"/> 7 other <input type="checkbox"/> 8 networking		<input type="checkbox"/> S Onboard antenna <input checked="" type="checkbox"/> D Stacked antenna <input type="checkbox"/> H high precision antenna <input type="checkbox"/> C Ceramic antenna <input type="checkbox"/> M Needle antenna		<input checked="" type="checkbox"/> Y has photosensitive <input type="checkbox"/> N No photosensitive <input type="checkbox"/> P programmable		

Configuration version description

【hardware】 :

【software】 :

Federal Communications Commission (FCC) Compliance Statement for USA

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This product may not be collocated or operated in conjunction with any other antenna or transmitter.