SurMountor

WS001 Series

NO NOISE

SAFETY

2 yrs warranty

STRONG INDUCTION

QUALITY

CE

RoHS

SPECIALTY DESIGN

WS001 Series

SurMountor

1. Wireless sensor function introduction:

● 1. Touch wireless sensor switch: lightly touch the touch area to switch the light, long press the touch area to dim the light by 10-100%

● 2. PIR wireless sensor switch: When someone passes by, the light will turn on, and it will automatically turn off in about 30 seconds.

● 3. Door sensor wireless sensor switch: Remotely turn off the lights when a magnet is detected, turn on the lights remotely when no magnet is detected.

When the receiver receives multiple remote control command signals from the combined wireless remote control, the command signal from the last remote control is used to execute the working state. "

2. Technical Parameters:

WS001-DOOR	WS001-2DOOR
WS001-PIR	WS001-TD
WS001-RE	WS001-IRE

The input and output voltage of WS001-IRE, 12-24V.
The maximun current: 6A

The working voltage WS001-RE: DC12-24V

WS001-DOOR WS001-2DOOR WS001-PIR WS001-TD Charging voltage: 5V

Wireless control distance: 10M

Size: 45*45*13mm

Working temperature: -20℃ - 40℃

Waterproof level: IP20

Service life: 50,000 hours

Application scenarios:
1.Widely used in hall cabinets, display cabinets, bookcases, cupboards, wardrobes, etc.
2. Intelligent sensing is convenient, fast, exquisite in appearance, easy to install and use.
3. Intelligent home experience, enjoy a better life.

3. Features:

● For the custant voltage normal power supply, the independant receiver WS001-IRE uses a 2P（balck and white wires） interface input/output voltage, to connect with the power supply and LED strips

● "The receiver WS001-RE uses a 3P interface input/output voltage of 12-24vdc, and the output power is equal to the power supply.

● It is fixed magnetically, which is convenient and fast.

● Ultra-low standby power consumption, lithium battery can be used for more than one year

● This product uses 2.4G wireless transmission method

● The switch machine adopts advanced soft start technology

● Advanced under-voltage protection. When the wireless sensor switch red LED flashes, it indicates that the battery power is insufficient and needs to be charged in time.

● Up to 7 wireless remote control switch combinations add unlimited possibilities for applications

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ShenZhen Surmountor Lighting Co., LTD

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4. Pairing range:

- "Wireless centralized control receiver (can support touch wireless sensor switch, door control wireless sensor switch, and PIR wireless sensor switch coding at the same time);

  One remote control can be paired with multiple receiving hosts (can remotely control multiple receiving hosts at the same time)"

5. Pairing method:

- 1. Within 8 seconds after the receiving host is powered on, the host enters the coding state. Press and hold the coding key on the back of the wireless sensor switch (about 1 second) until the LED light strip flashes, and the pairing is completed, and you can use it.

- 2. First press the code matching button on the receiving host, and the LED indicator light will flash once. After the host enters the code matching state, press and hold the code matching button on the back of the wireless sensor switch (about 1 second) without releasing it until the LED indicator light is output. Flash once to complete pairing and you can use it)

6. Unpair method:

- 1. Press and hold the code matching button on the receiver host for about 3 seconds. The LED light strip flashes to indicate that the code clearing is completed.
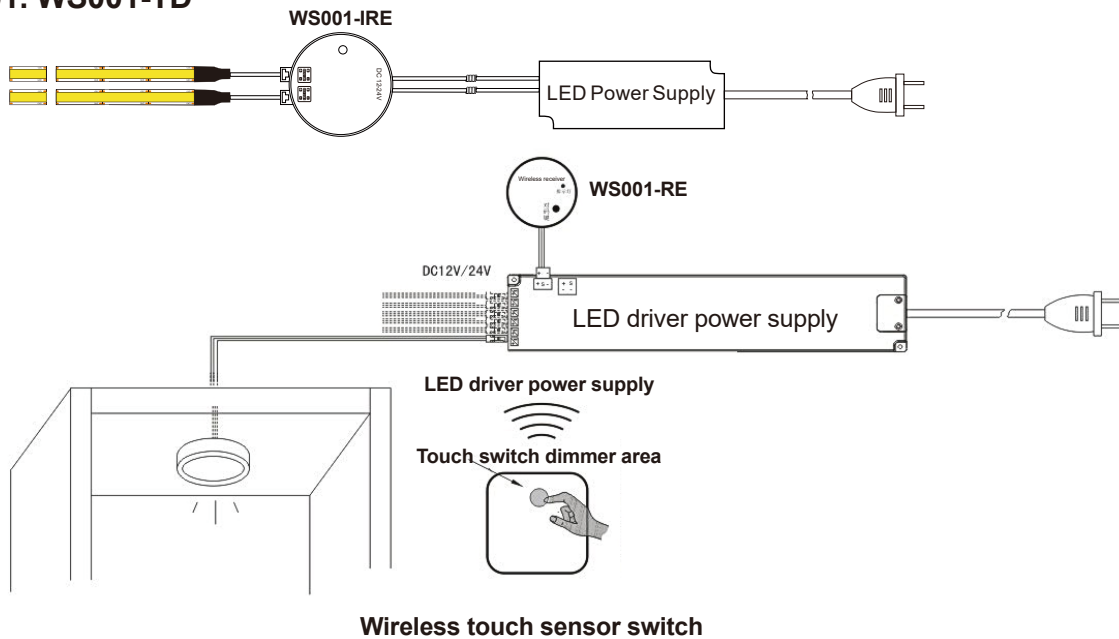
Wireless sensor light status	🔴	**Charging:** the red light is always on;
	🟢	**Fully charged:** the green light is always on;
	🔴	**Low battery:** red light flashes after induction
	🟢	**The battery is normal:** the green light is always on after induction.

7. Technical Parameters:

1. The installation process of the product requires professionals to complete
2. The product installation location must be chosen to avoid water vapor, moisture, air outlets, sunlight, and corrosive smells. Otherwise, the sensor may be damaged or malfunctioned.
3. The warranty is 2 years. From the date of purchase, the warranty will be terminated if it is disassembled or assembled without permission.
4. Turn off the power before cleaning. Do not use chemicals or other cleaning supplies when cleaning to avoid damaging the surface. Please wipe the surface with a towel.
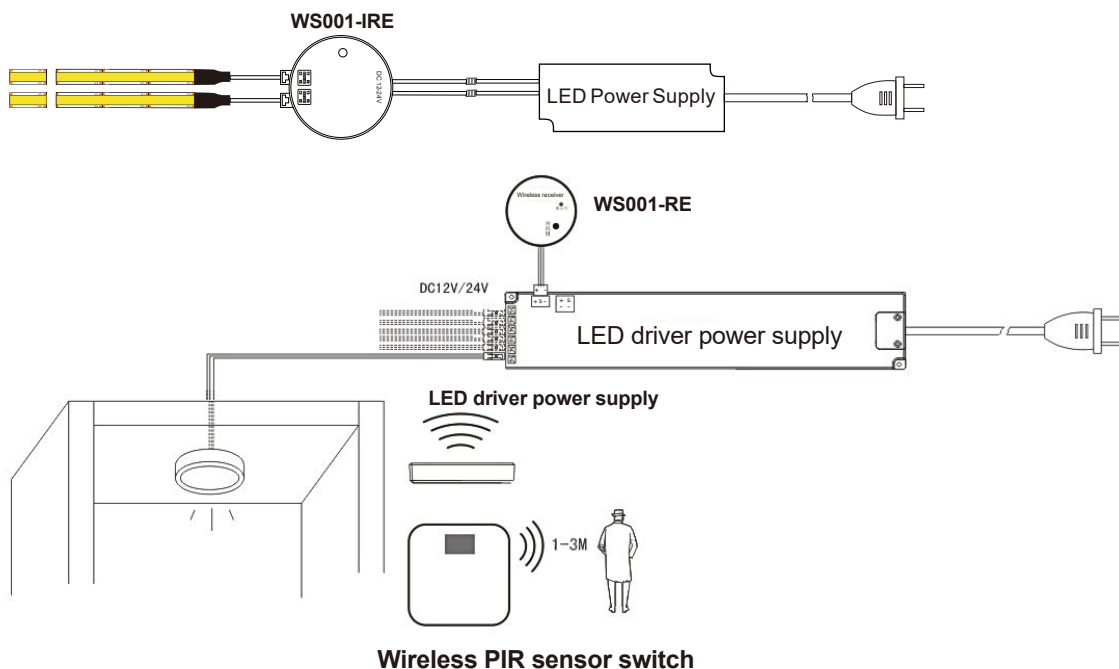
8. Technical Parameters:

01. WS001-TD

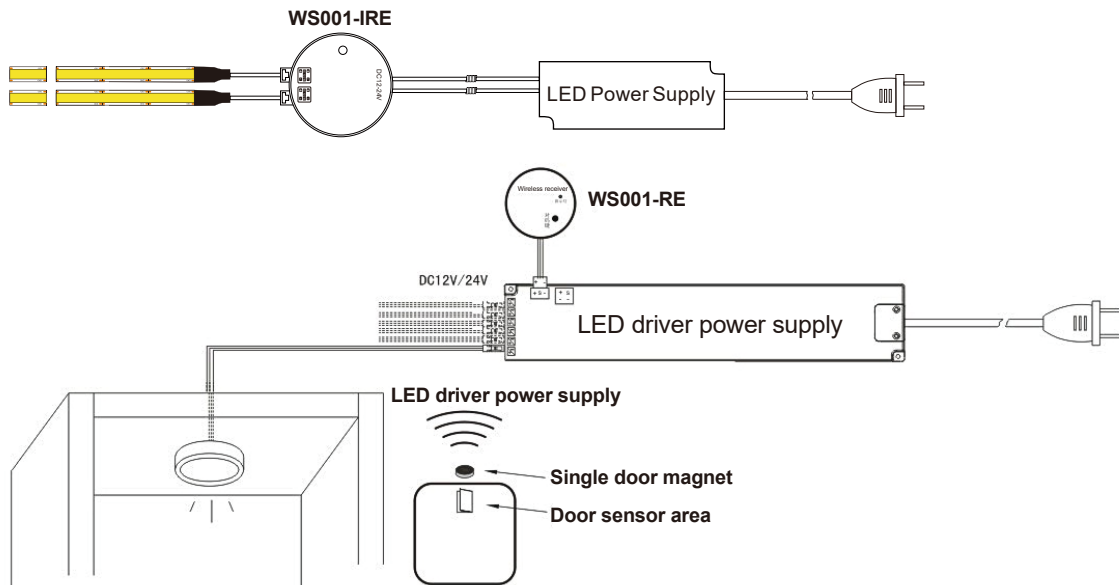**Wireless touch sensor switch**

1. Working principle of wireless touch dimming remote control: This product is a unique Class III insulation sensor switch designed based on 2.4G radio applications.
2. Touch switch dimmer area function: When a finger touch is detected within the touch switch dimming range, the remote control will act accordingly. A short touch (<0.5 seconds) turns the lights on or off. A long touch (>0.5 seconds) to adjust the brightness of LED lights (10%-100%)

02. WS001-PIR

Wireless PIR sensor switch

1. Introduction to the PIR sensor function: When a human body movement is detected within the detection range of 1-3M, the wireless sensor controller switches to the ON state (ON). When the person leaves the detection range for 30 seconds, the wireless sensor controller switches to the OFF state (OFF).

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WS001 Series

03. WS001-DOOR

WS001-IRE

LED Power Supply

Wireless receiver **WS001-RE**

DC12V/24V

LED driver power supply

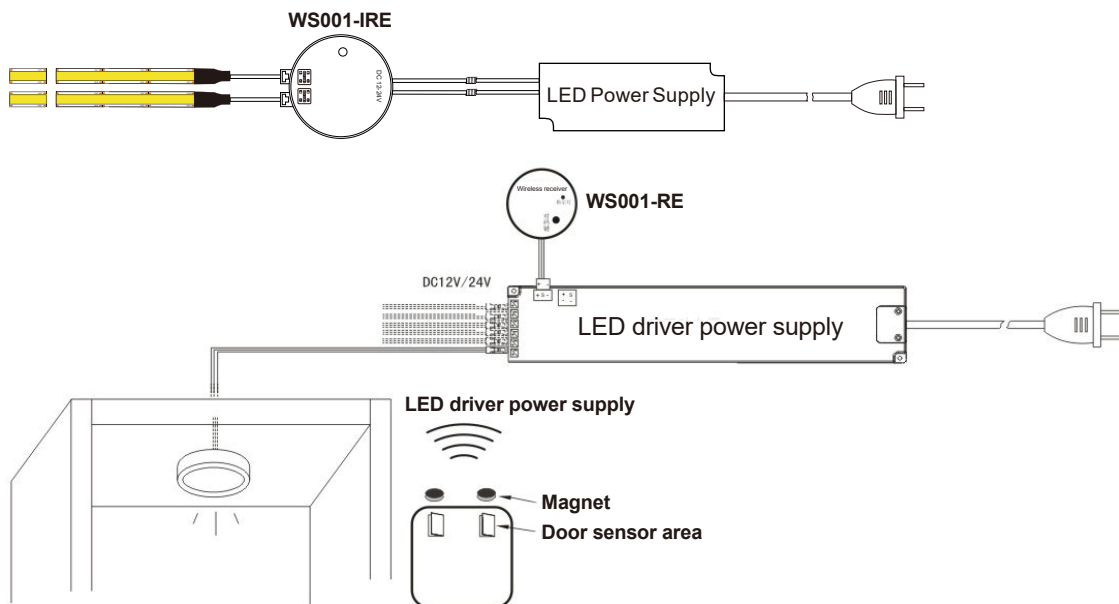**LED driver power supply**

Single door magnet

Door sensor area

Wireless single door sensor switch

Introduction to door control sensor function:

1.During assembly, the magnet must be assembled on the door sensor, otherwise the induction will fail.

2.When the door is opened, the light turns on when the magnet leaves the door magnetic induction area. When the door is closed, the light goes off when the magnet is in the door magnetic induction area.

04. WS001-2DOOR

WS001-IRE

LED Power Supply

Wireless receiver **WS001-RE**

DC12V/24V

LED driver power supply

LED driver power supply

Magnet

Door sensor area

Wireless double door control sensor switch

Introduction to door control sensing function:

1.During assembly, the magnet must be assembled on the door sensor, otherwise the induction will fail.

2.For the double door sensor, when open one door or two doors, the light turns on when the magnet leaves the door magnetic induction area. When closing the door, the light will be off when both the two door magnets are in the door magnetic induction area.

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