SurMountor

WS002 Series

NO NOISE	SAFETY	2 yrs warranty	STRONG INDUCTION
QUALITY	CE	RoHS	SPECIALTY DESIGN

WS002 Series

1.Product Parameter

Model	WS002-TD	WS002-PIR	WS002-DOOR/DOOR2	WS002-RE	WS002-IRE
Communication Distance	< 15 meters				
Carrier Frequency	433.92 MHz				
Transmitting Power	+10dBm			——	
Receiving Sensitivity	——			-109dBm	
Input Voltage	DC5V			DC12-24V	
Load Current	——				6A MAX
Matching Time	Each pair matches successfully in 6 seconds, the time will automatically continue				
Maximum Number of Pairings	——			Eight, in first-in, first-out order	
Tuning Time	——			3 seconds (With WS002-TD supports dimming only)	
Time Delay Time	——			30 seconds (With WS002-PIR support only)	
Magnetic Sensing Distance	——		1-1.5CM	——	
Sensing Distance	——	3 meters		——	

2. Usage Method

01. Pairing

Step	Receive	Launch
1	Press the pairing button to enter the pairing mode with the blue lights on	✕
2	✕	Press the button on the back of the to-be-paired launch panel
3	When pairing successfully, light strip and blue light will flash	✕

02. Exit the pairing and receive any transmitter switching signal

Step	Receive	Launch
1	✕	Transmitting switching or dimming signal

03. Clear the pair

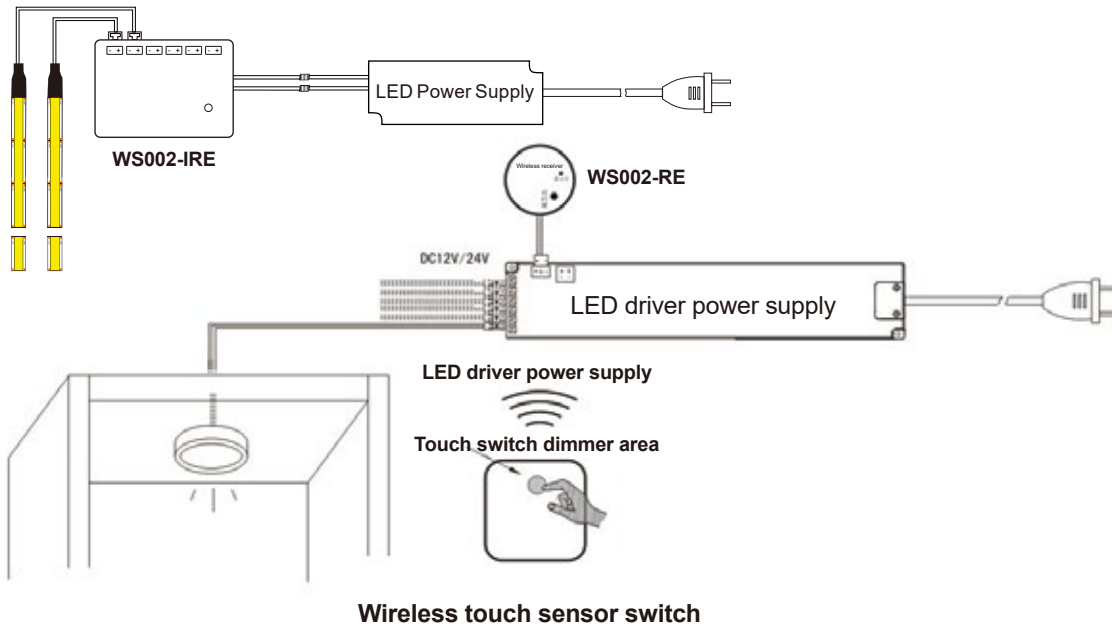| Step	Receive	Launch
1	Long press the matching button for 3 seconds, and the light strip and blue light flash off	✕

04. Switch / dimming

When matching successfully following the above steps, then lamp could be dimmed and switched.

05. Transmitter panel indicator light

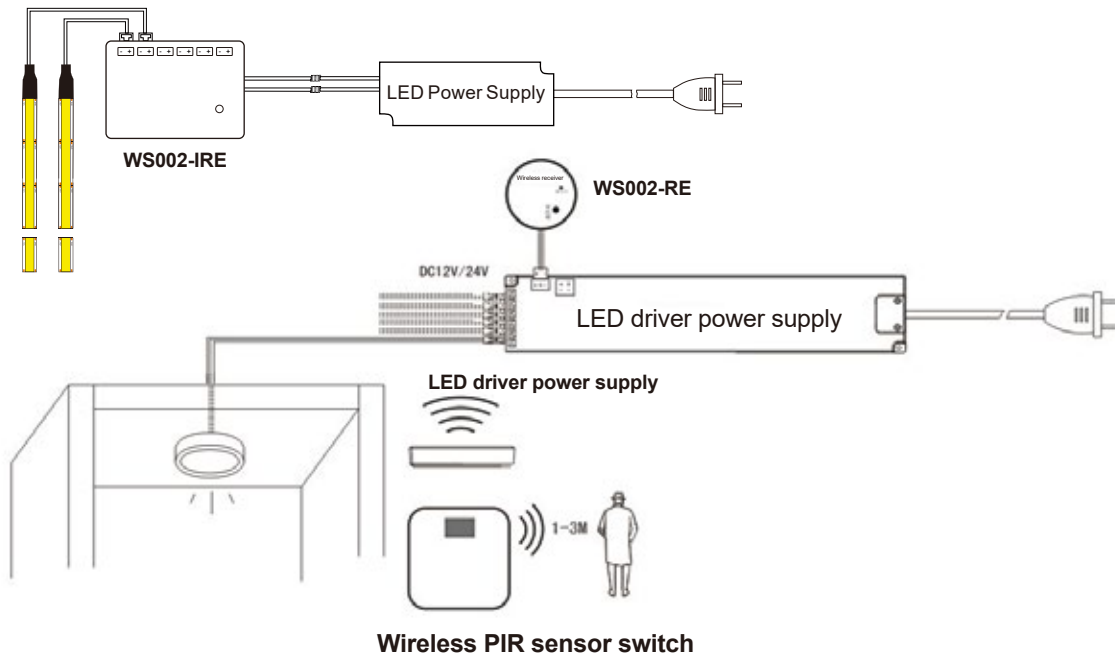|	
Launching	Blue light on
Charging	Red light on
Fully charged	Green light on
Lack of electricity	Blue light flash

3. Wiring Diagram

01. WS002-TD

LED Power Supply

WS002-IRE

Wireless receiver **WS002-RE**

DC12V/24V

LED driver power supply

LED driver power supply

Touch switch dimmer area
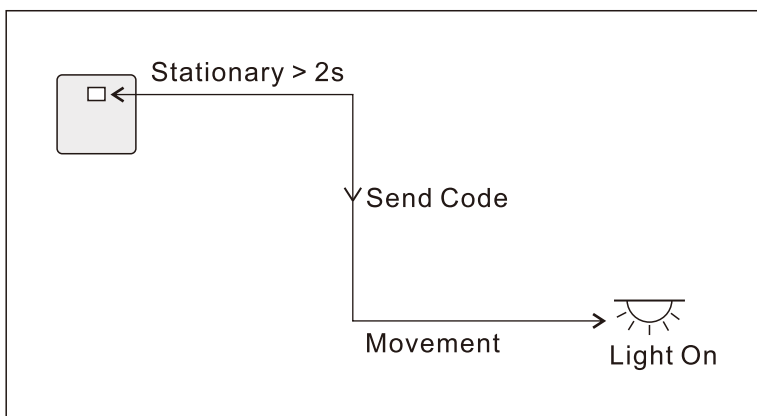
Wireless touch sensor switch

1. Working principle of wireless touch dimming remote control: This product is a unique Class III insulation sensor switch designed based on 433.92 MHz 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 (5%-100%)

WS002 Series

02. WS002-PIR

LED Power Supply

WS002-IRE

Wireless receiver **WS002-RE**

DC12V/24V

LED driver power supply

LED driver power supply

1-3M

Wireless PIR sensor switch

WS002-PIR Working Mode

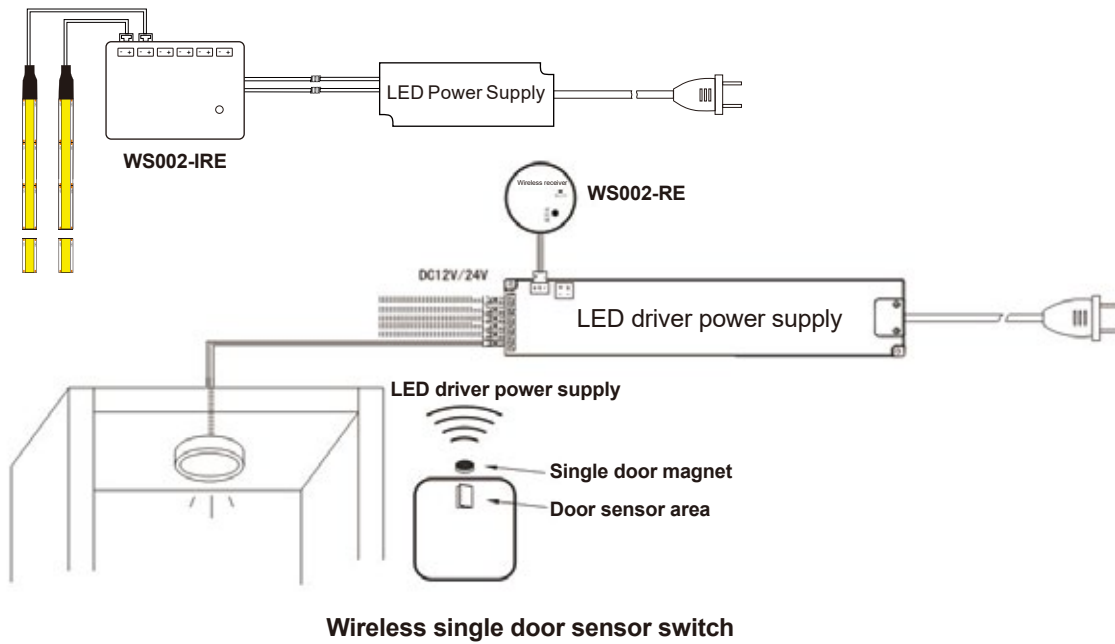Stationary > 2s

Send Code

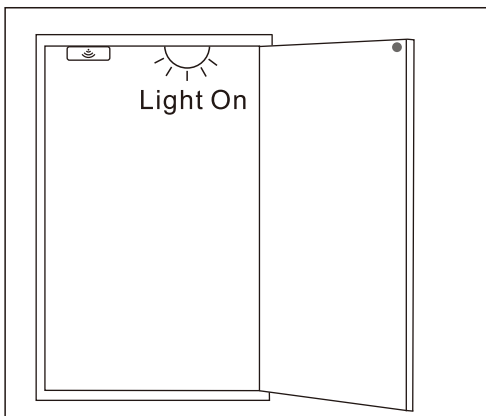Movement

Light On

Sensing Window

Can Be Repeatedly Triggered

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).

03. WS002-DOOR

LED Power Supply

WS002-IRE

Wireless receiver **WS002-RE**

DC12V/24V

LED driver power supply

LED driver power supply

Single door magnet

Door sensor area

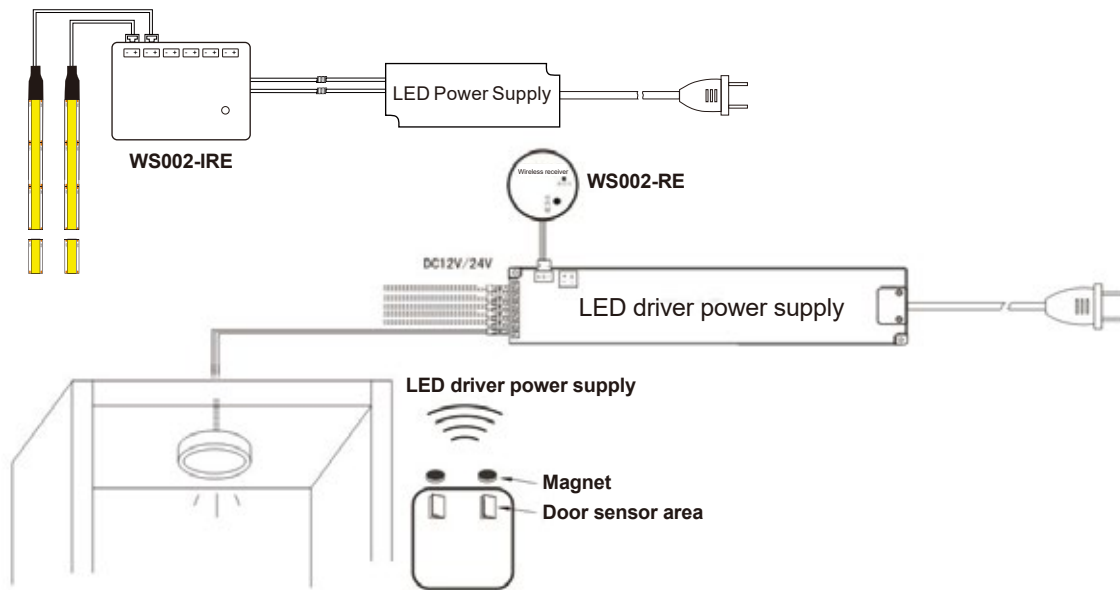**Wireless single door sensor switch**

WS002-DOOR Working Mode

Light On

Sensing Window

Lights on when door is opened, lights off when door is closed.
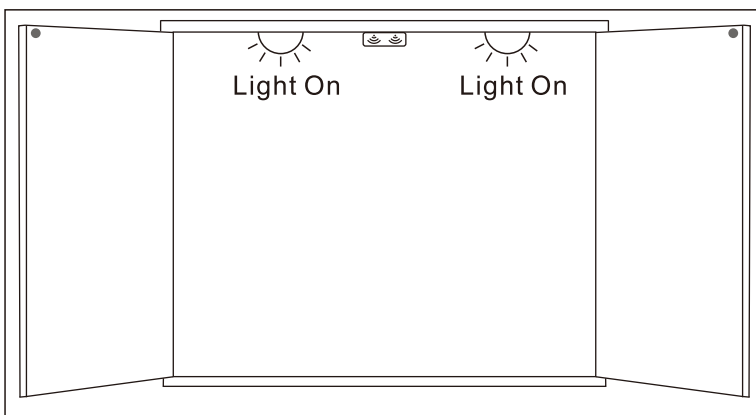
Introduction to door control sensor function:
1.During assembly, the magnet must be assembled on the door sensor, otherwise the induction will fail.
2.When the door is opened, the light turns on when the magnet leaves the door magnetic induction area. When the door is closed, the light goes off when the magnet is in the door magnetic induction area.

WS002 Series

04. WS002-2DOOR

WS002-IRE

LED Power Supply

WS002-RE

DC12V/24V

LED driver power supply

LED driver power supply

Magnet
Door sensor area

Wireless double door control sensor switch

WS002-DOOR2 Working Mode

Light On   Light On

Sensing Window

Lights on when door is opened, lights off when door is closed.

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.

2. Precautions

1. When the receiver is powered on, it will automatically enter the pairing mode. If the pairing code is not received within 6 seconds, it will automatically exit pairing mode,   or the user can cancel the pairing and exit earlier.

2.There can only have one transmitter launching, in the same wireless coverage area, and at the same time, otherwise the receiving end will not respond.