



# BROCHURE

## LED SENSOR SWITCH



[www.surmountor.com](http://www.surmountor.com)

# 2025

ONE-STOP SERVICE



◆ Proximity Sensor Switch / PIR Sensor Switch / Light Sensor Switch  
IR Door Switch / IR Hand Switch/ Button Switch / Hand Switch /  
Touch Dimmer / Mirror Sensor

### Surmountor Lighting Co., Limited

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🌐 [www.surmountor.com](http://www.surmountor.com) / [www.sur-led.com](http://www.sur-led.com) / [www.ledstrip.cc](http://www.ledstrip.cc)

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## OEM&ODM



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# ABOUT OUR COMPANY



## We are an industrial and trade company!

Surmountor Lighting Co., Limited, located in Shenzhen, the famous LED City in China. With over 10 years experience, we are specialized in producing LED Aluminum Profile, LED Linear Lighting, Flexible LED Strip, LED Neon Flex, LED Grow Light and LED Sensors Switches. Most of products are widely used in hotel lighting, office lighting, shop lighting, kitchen lighting, outdoor lighting, etc.

Surmountor is a big family with more than 80 employees, advanced production equipment and staff cooperation. Our factory production monthly capacity reach more than 120,000 meters of flexible LED strips, 150,000 meters LED profiles, 100,000 pieces sensor switches and so on.



## We have strict quality control!

Competitive price, stable quality, timely delivery and good service make us gained good reputation among our customers all over the world, such as in Europe, North America, Latin America, Australia and Middle East. Our LED products are CE, RoHS, UL listed and we have passed ISO9001: 2015 management system.



## Continuous innovation and R&D!

With wide range led products line, we concentrate on offering one stop and one package service. Most customers choose our linear lights for their important hotel lighting projects. Also our R&D departments always focus on developing new products to keep moving. In 2017, the new products we developed were LED Neon Lights and LED Grow Lights, the latter improves the plants growth quality and speed, customers can choose different wave lengths and related percentage to meet each plant needs lighting, outdoor lighting, etc.



## We have a great team!

Our energetic and creative sales team could understand customers' demands deeply and solve problems promptly. Every customer should be concerned and respected seriously, patiently, responsibly from enquiry-design-sampling-order-production. Based on all our efforts, we attained great achievements and progress in the past 10 years, we also help our customers to expand their markets by constantly developing new products.



Our target is to satisfy our clients with good quality & best service. Welcome to join us and let us brighten our future together!

Johnson Wan  
Surmountor CEO



## Our pursuit!

Our main strong point is our engineers can work out light solutions upon our customer's needs. Our goal is to build long term win-win relationship with our customers.

## MAIN MARKETS DISTRIBUTION

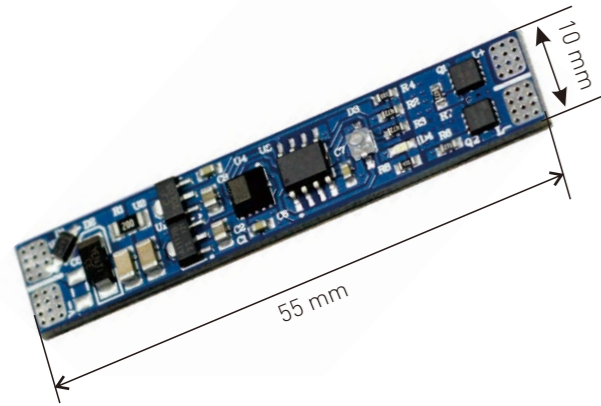
Based on excellent quality and dedicated service, Surmountor is highly recognized and favored by foreign customers, enjoys a high reputation and fame in overseas markets, and has become one of the global consumers' reliable led brands. Products are exported to Europe, North America, Latin America, Australia, Middle East and more than 50 countries.



Cooperation  
Partners  
**> 90**

## Proximity sensor switch: PS001

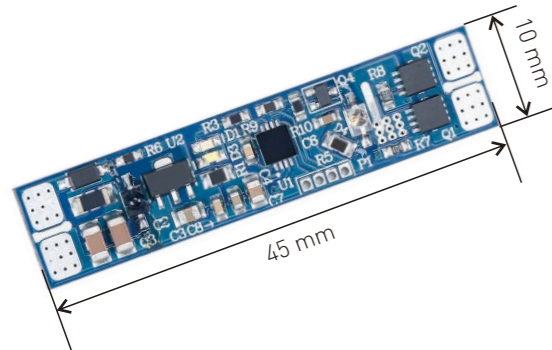
- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $\leq 18\text{cm}$  (when there is no pc cover).
- 5, Turn on/off the light when hand pass over the sensor within 18cm.



**NEW**

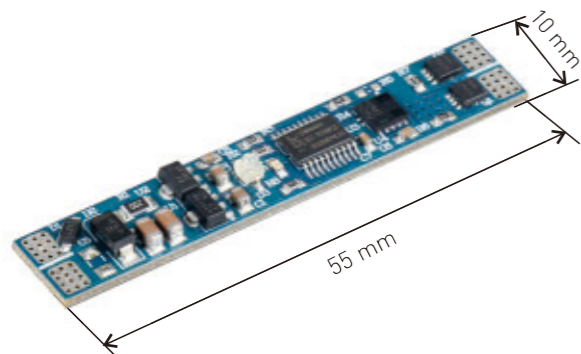
## Proximity sensor switch: EPS002

- 1, Input voltage: 12-24VDC.
- 2, Current: 6A
- 3, Power: 72W for 12V, and 144W for 24V.
- 4, Operating max height: 12cm (without any cover, If the surface has a cover, the sensing distance is 4-5cm)
- 5, Support operation: turn on/off :swipe hand left and right dimming:keep hand on the sensor switch over 1.5 seconds.
- 6, Dimming range : 0.8-100%
- 7, 0V memory: memory after 5 seconds of no operation.
- 8, Suggestion: recommend to use a PC cover with transmittance above 70%.



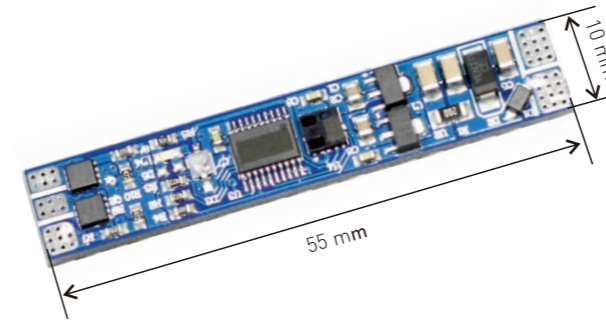
## Proximity sensor switch:PS002

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $\leq 18\text{cm}$  (when there is no pc cover).
- 5, Turn on/off the light when hand pass over the sensor within 18cm.
- 6, Hold the hand over the sensor more than 1 second, adjusting the brightness from 3 % to 100%.
- 7, With 0V memory function.



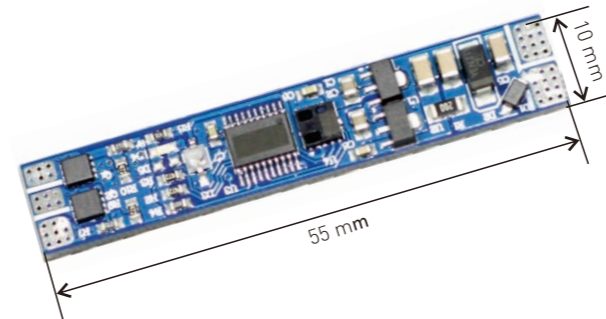
## Proximity sensor switch: PS003

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max each channel.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $\leq 18\text{cm}$  (when there is no pc cover).
- 5, Turn on/off the light when hand pass over the sensor within 18cm.
- 6, Hold the hand over the sensor switch within 18cm more than 1 second,adjusting the double color led light brightness of one led color from 0% to 100% and of another led color from 100% to 0 %;only the led color temperature is adjustable, the blue led on the switch is flashing at the same time.
- 7, With 0v memory function.



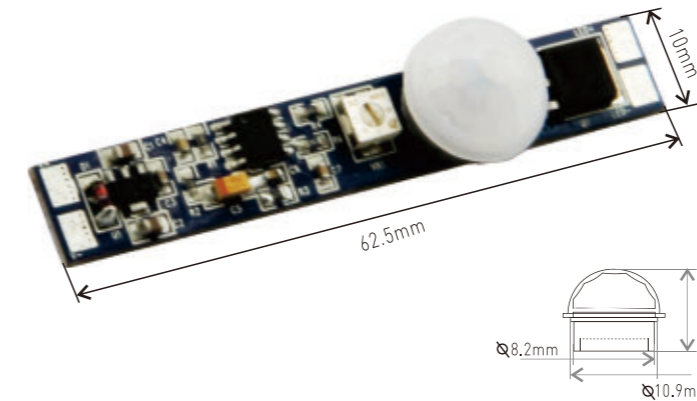
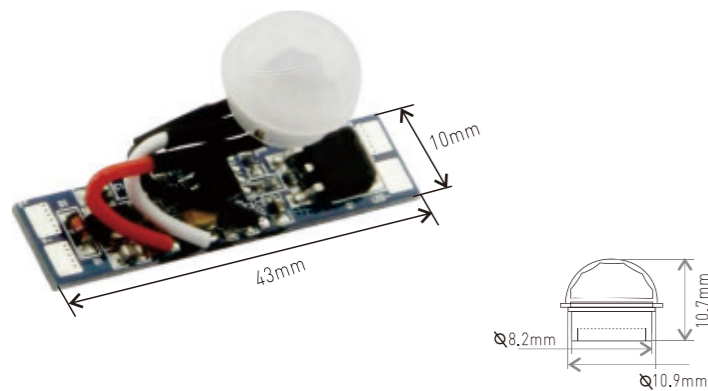
## Proximity sensor switch: PS004

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max each channel.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $\leq 18\text{cm}$  (when there is no pc cover).
- 5, Turn on/off the light when hand pass over the sensor once in 1.5 seconds.
- 6, Switching dimming mode when hand pass over the sensor round trip twice in 1.5 seconds.
- 7, With 0V memory function.



## PIR sensor switch: PIR001

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, or 192W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: about 40 seconds.
- 6, Automatically on/off

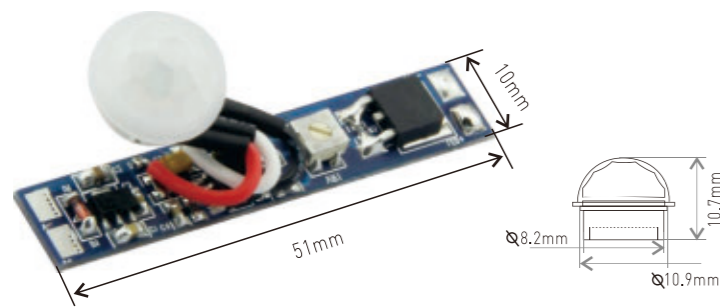


## PIR sensor switch: PIR002T

- 1, Input voltage: 12-24VDC.
- 2, Current: 2.5A max.
- 3, Power: 30W for 12V, and 60W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: adjustable about 6-70s.
- 6, Automatically on/off.

## PIR sensor switch: PIR001T

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: adjustable about 6-70s.
- 6, Automatically on/off.

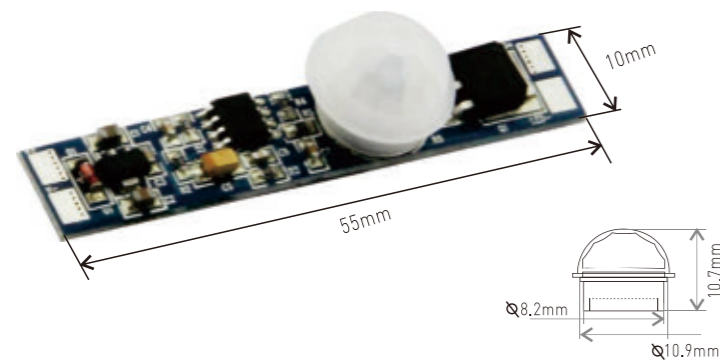


## Recessed pir sensor switch: PIR003

- 1, Outside dimension: 16x60mm.
- 2, Input voltage: 12-24VDC.
- 3, Current: 4A max.
- 4, Power: 48W for 12V, and 96W for 24V.
- 5, Detection range:  $\leq 2m$ .
- 6, Delay time: about 40 seconds.
- 7, Automatically on/off.
- 8, Cable length: 1m with mini connector.

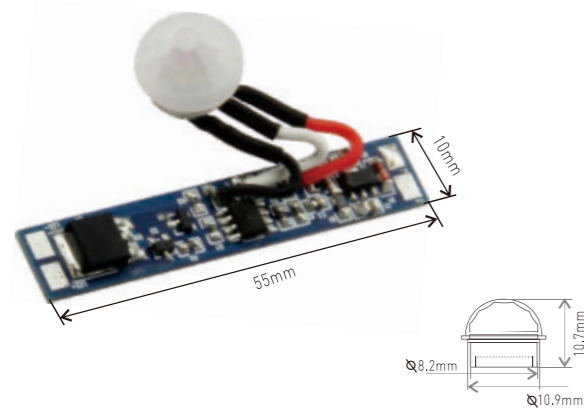
## PIR sensor switch: PIR002

- 1, Input voltage: 12-24VDC.
- 2, Current: 2.5A max.
- 3, Power: 30W for 12V, and 60W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: about 40 seconds.
- 6, Automatically on/off.



## Surface mounting pir sensor switch: PIR004

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: about 40 seconds.
- 6, Automatically on/off.
- 7, Cable length: 1m with mini connector.



## Pir sensor switch: PIR005

- 1, Automatically on/off; current: 8A max.
- 2, Input voltage : 12-24VDC.
- 3, Power: 96W for 120, and 192W for 24V.
- 4, Detection range:  $\leq 2m$ . ; delay time: about 40 seconds.
- 5, The light will turn on in 2 seconds slowly from 0% to 100% when people move inside 2 meters PIR sensor detectable range. The light will turn off slowly in 8~ 10 seconds after people leave PIR sensor detectable range 40 seconds.

## Recessed pir sensor switch: PIR006A

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range: $\leq 2m$ .
- 5, Delay time: about 40 seconds.
- 6, Automatically on/off.
- 7, Input and output cable length: 1m(cable length can be customized).



## Recessed pir sensor switch: PIR006B

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Delay time: about 40 seconds.
- 6, Automatically on/off.
- 7, Input and output cable length: 25cm(cable length can be customized).
- 8, LED sensor detector cable length: 1m(cable length can be customized).



## PIR sensor switch: PIR010

- 1, Input voltage: 5-24VDC.
- 2, Current: 4A max.
- 3, Power: 20W for 5V, and 96W for 24V.
- 4, Detection range:  $\leq 6m$  max.
- 5, Sensing angle: 100 °.
- 6, Delay time: 30s, 60s, 380s for option.
- 7, Automatically ON/OFF

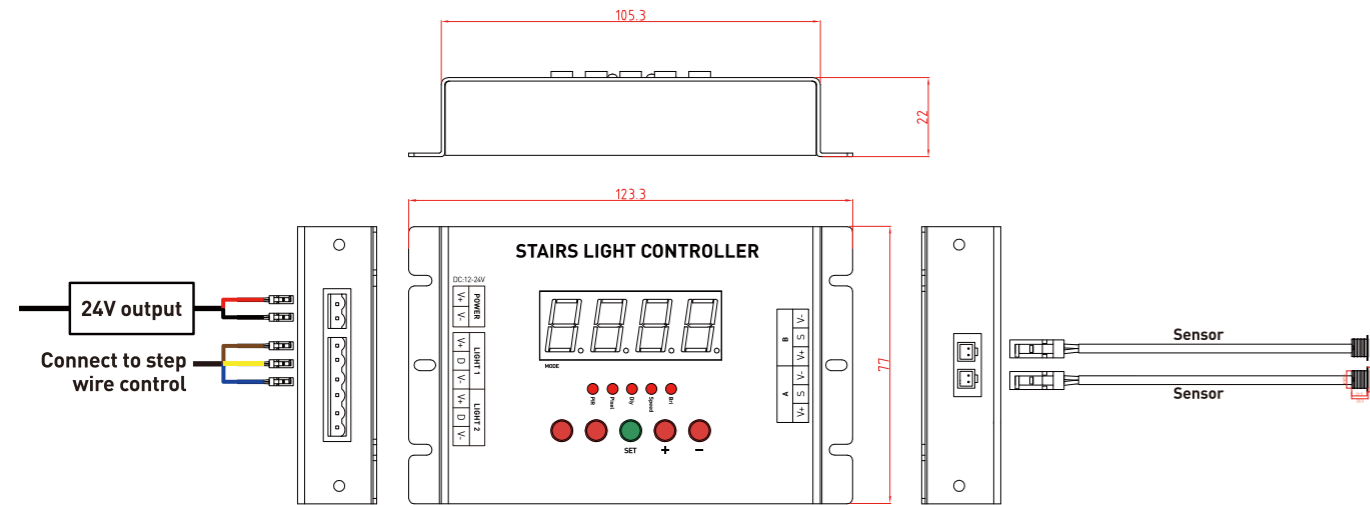
## STAIR LIGHT CONTROLLER SL001

### FEATURES

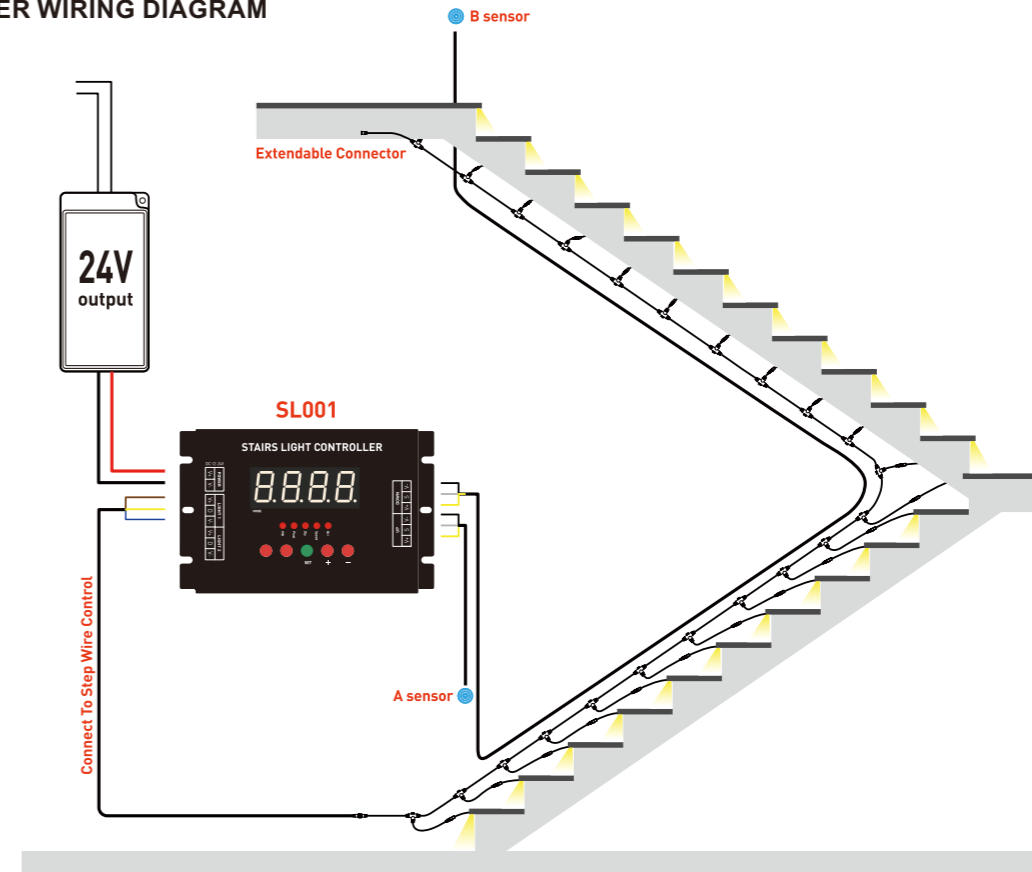
- Each Stair light controller with 2 PIR sensor.
- Input & Output Voltage: 12-24VDC.
- Current: 3A Max. For main controller.
- PIR sensor detective distance: 1.5-2 meter (each).
- Function: The step lights will turn on step by step when people move into either PIR sensor detective range.  
The step lights will turn off step by step when people leave the PIR sensor detective range.
- Adjustable options: 10 Steps light brightness adjustable, Flowing speed 10 steps, Lights quantity 2-500pcs optional, Delay lighting time 0.5-10 minutes adjustable.



### DIMENSION

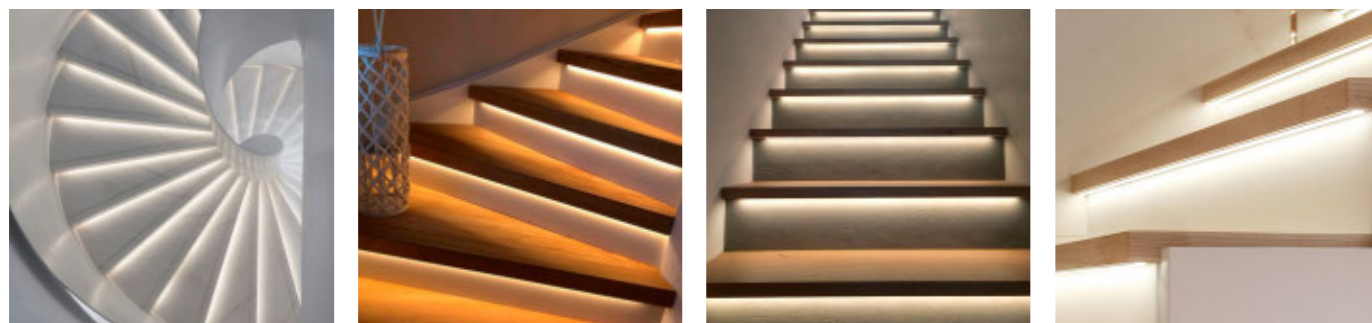


### CONTROLLER WIRING DIAGRAM



 <b>Adjustable Parameters</b>	 <b>(Brightness)</b>	1-10	The brightness is increased by 10%, the bigger the number, the higher the brightness.
	 <b>(Speed)</b>	1-10	The flow speed between the lights, the bigger the number, the slower the speed.
	 <b>(Pixels)</b>	2-500	The quantity of the step lights.
	 <b>(Delay)</b>	1-10	The delay time for the lights, 0 means 30 seconds, 1-10 means 1-10 minutes.

### SCENES TO BE USED



### CONTROLLER WIRING DIAGRAM





## STAIR LIGHT CONTROLLER SL002

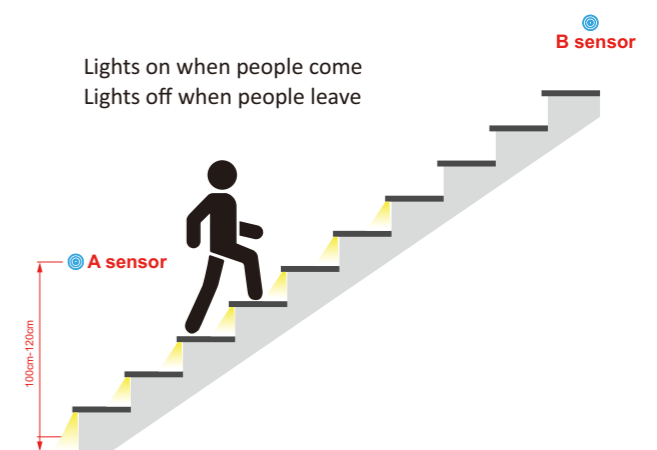
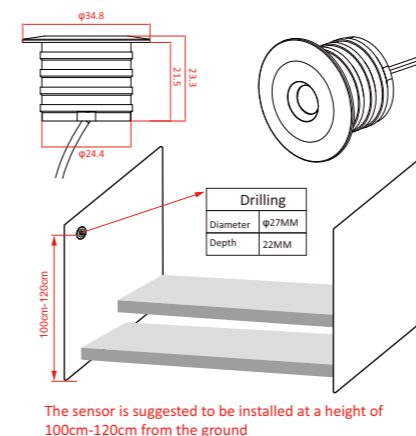
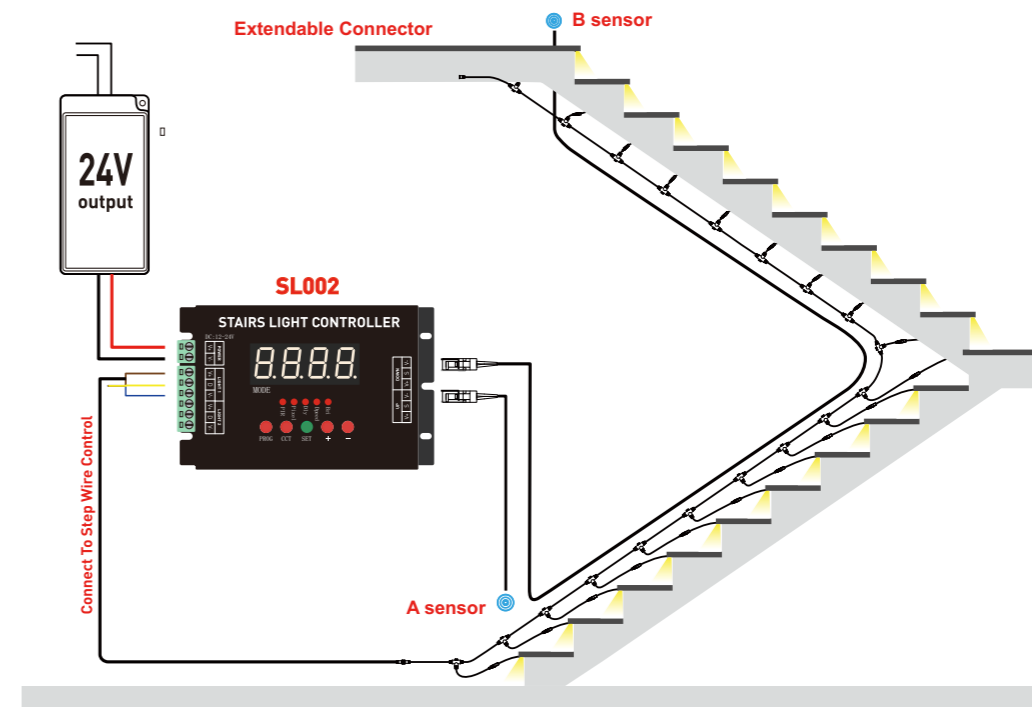
### FEATURES

- Each Stair light controller with 2 PIR sensor.
- Input & Output Voltage: 12-24VDC.
- Current: 3A Max. For main controller.
- PIR sensor detective distance: 1.5-2 meter (each).
- Function: The step lights will turn on step by step when people move into either PIR sensor detective range.
- The step lights will turn off step by step when people leave the PIR sensor detective range. CCT color 2700k~6500K
- Adjustable option: 10 Steps light brightness adjustable, Flowing speed 10 steps, Lights quantity 2-500pcs optional, Delay lighting time 0.5-10 minutes adjustable, CCT color.

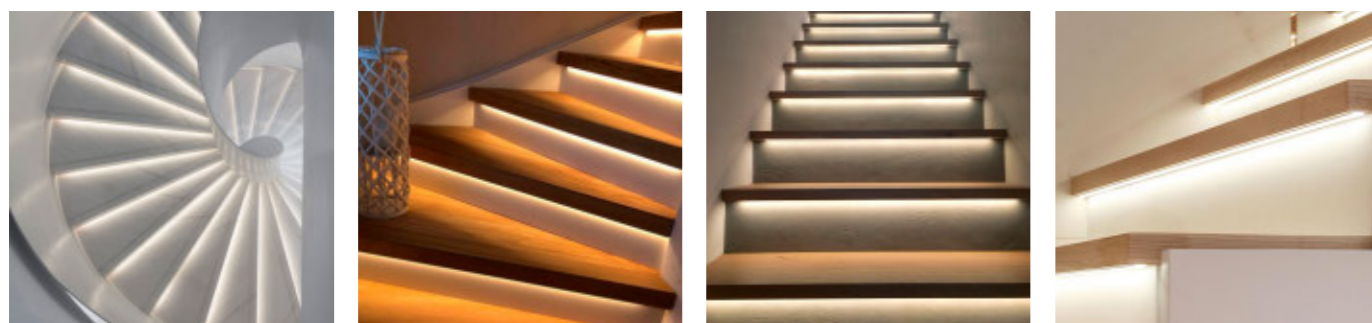


<p>Adjustable Parameters</p>	<p>(Brightness)</p>	1-10	The brightness of the light increases by 10%, the higher the value the brighter the light.
	<p>(Speed)</p>	1-10	The low speed of the light The higher the value, the slower the low speed of the light.
	<p>(Pixels)</p>	2-500	Determines the number of step lights that can be controlled
	<p>(Delay)</p>	1-10	1. Lighting control duration range :1-100 seconds. 2. eg. 1 is 10 seconds, 2 is 20 seconds, 10 is 100 seconds.
	<p>(Model)</p>	1-3	1. Flow In/Out (Flowing Eect) 2. Overall Fade In/Fade Out 3. Individually Fade In/Fade Out + Flow In/Out
2700-6500K color temperature		10 levels	380K changes in each level gradually.(only for reference)

### CONTROLLER WIRING DIAGRAM

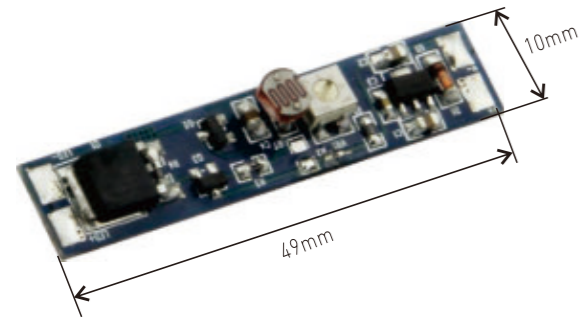


### SCENES TO BE USED



### CONTROLLER WIRING DIAGRAM



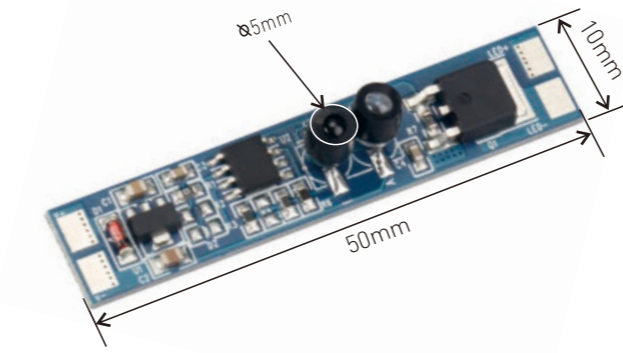
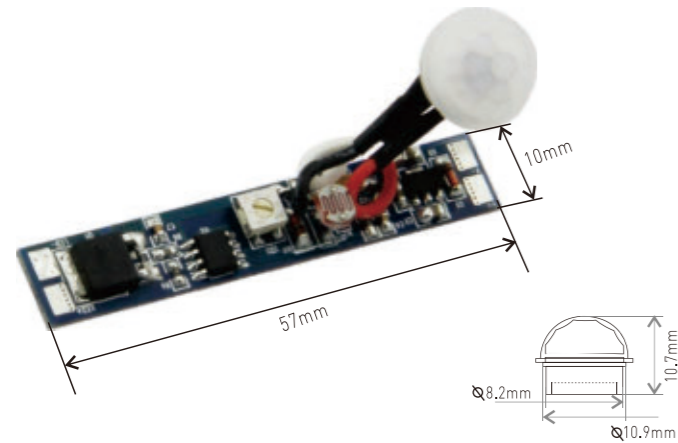


## Light sensor switch: LSS001

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Lux range: 2 ~ 60lux.
- 5, Light Is on at night, light is off In day time.

## Motion sensor with light sensor switch: LSS002

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $\leq 2m$ .
- 5, Lux range: 2~60lux.
- 6, Delay time: about 40 seconds.
- 7, Light Is off In day time, light Is on when human body pass within detection range at night.

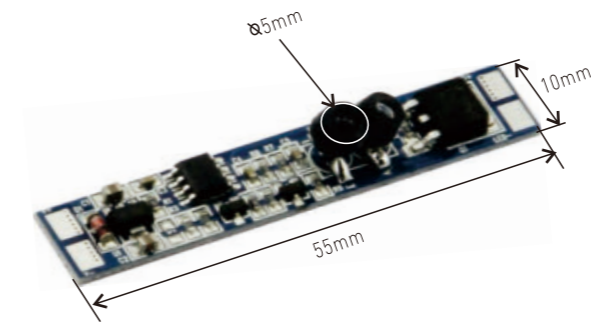


## Internal IR hand sensor switch: EIR001

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5cm \leq \text{detection range} \leq 10cm$ .
- 5, Automatically switch on/off when the hand pass over.

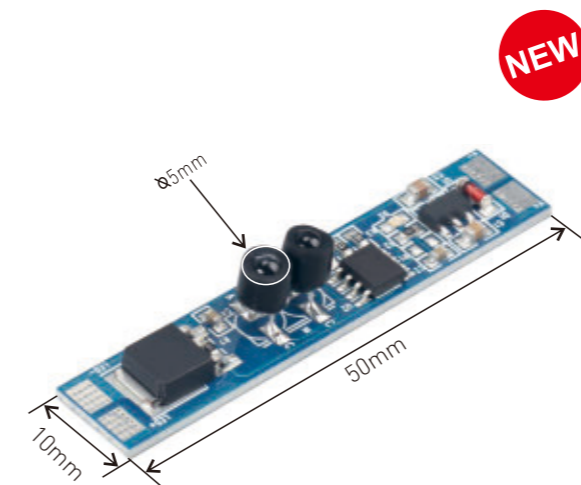
## Internal IR hand sensor switch: IR001

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96w for 12v, and 192w for 24v.
- 4, Detection range:  $0.5cm \leq \text{detection range} \leq 10cm$ .
- 5, Automatically switch on/off when the hand pass over.



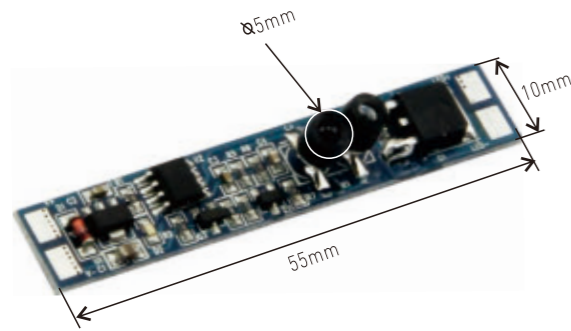
## IR hand sensor switch: EIR001D

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5cm \leq \text{detection range} \leq 10cm$ .
- 5, Hold hand over the sensor for 3 seconds to dim from 1%~100%.
- 6, 12v-24VDC memory function.



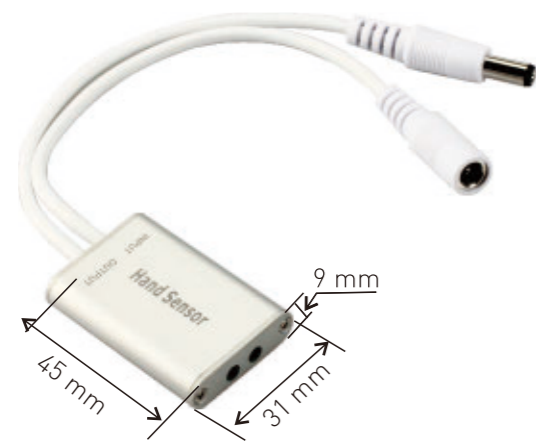
## IR hand sensor switch: IR001D

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Hold hand over the sensor for 3 seconds to dim from 1%~100%.
- 6, 12V-24VDC memory function.



## External hand sensor: IR003

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Cable length: 15cm with dc plug.
- 6, Material: aluminum housing.
- 7, Automatically switch on/off when the hand pass over.



## Recessed hand sensor switch: IR005-H

- 1, Input voltage : 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when the hand pass over.
- 6, Cable length: 1m with mini connector.



## Surface mounting hand sensor switch: IR006-H

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Input and output cable length: 1m (customized length can be ordered).
- 6, Automatically switch on/off when the hand pass over.

## Recessed hand sensor switch: IR008A-H

- 1, Input voltage : 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when the hand pass over.
- 6, Input and output cable length: 1m (cable length can be customized).
- 7, LED sensor detector cable length: 1m (cable length can be customized).



## Recessed hand sensor switch: IR008B-H

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when hand pass over.
- 6, Input and output cable length: 25cm (cable length can be customized).
- 7, LED sensor detector cable length: 1m (cable length can be customized).



## Surface mounting hand sensor switch: IR009A-H

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when the hand pass over.
- 6, Input and output cable length: 1m(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).



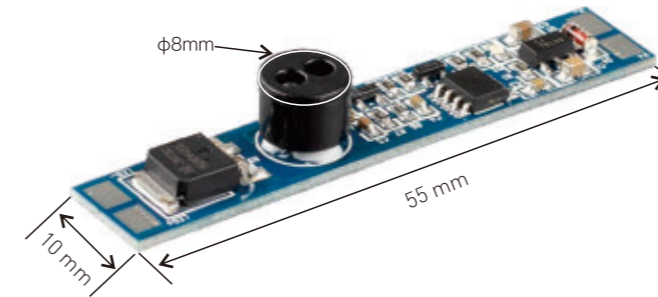
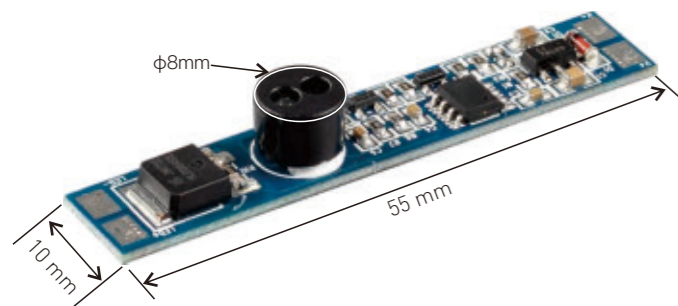
## Surface mounting hand sensor switch: IR009B-H

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when the hand pass over.
- 6, Input and output cable length: 25cm(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).



## IR hand sensor: IR012(Internal)

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when the hand pass over.
- 6, Dimension: 55\*10mm.

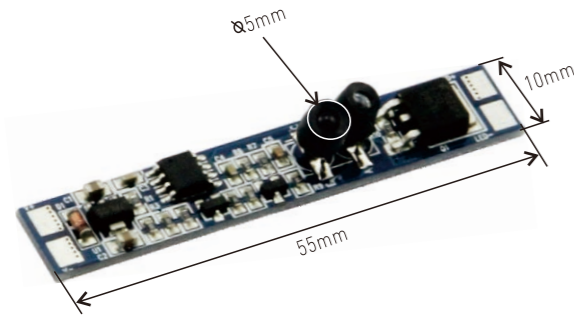


## IR hand sensor: IR012D Dimming+Memory

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Light will turn on/off when hand is passing over the sensor, dimmable when keeping covering. 12-24V memory function.
- 6, Dimension: 55\*10mm.

## IR door sensor switch: IR002

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when open/close the door.



## External door sensor: IR004

- 1, Input voltage : 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Cable length: 15cm with dc plug.
- 6, Material: aluminum housing.
- 7, Automatically switch on/off when open/close the door.



## Recessed door sensor switch: IR005-D

- 1, Input voltage:12-24VDC.
- 2, Current:4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Lights will be on/off when open/close the door.
- 6, Cable length: 1m with mini connector.

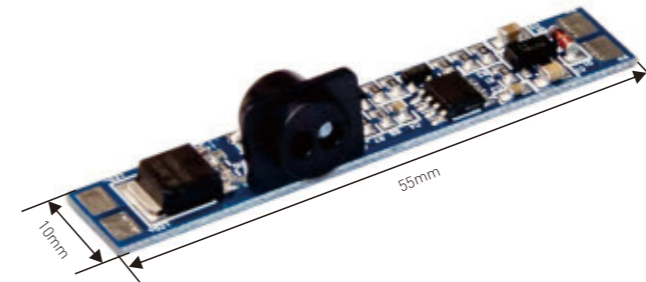


## Surface mounting door sensor switch: IR006-D

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Lights will be on/off when open/close the door.
- 6, Cable length: 1m with mini connector.

## IR door sensor switch: IR007-C

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Dimension: 55\*10mm.
- 6, Automatically switch on/off when open/close the door.



## Recessed door sensor switch: IR008A-D

- 1, Input voltage : 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range:  $0.5\text{cm} \leq \text{detection range} \leq 10\text{cm}$ .
- 5, Automatically switch on/off when open/close the door.
- 6, Input and output cable length: 1m(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).





## Recessed door sensor switch: IR008B-D

- 1, Input voltage : 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Automatically switch on/off when open/close the door.
- 6, Input and output cable length: 25cm(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).



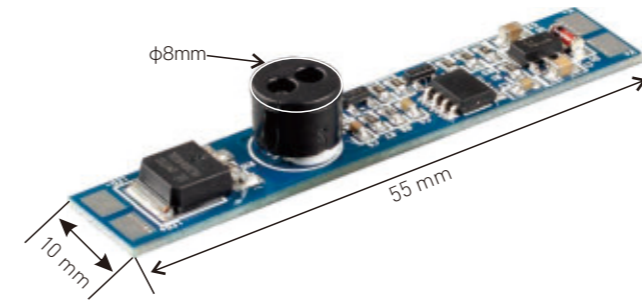
## Surface mounting door sensor switch: IR009A-D

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Automatically switch on/off when open/close the door.
- 6, Input and output cable length: 1m(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).



## Surface mounting door sensor Switch: IR009B-D

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Automatically switch on/off when open/close the door.
- 6, Input and output cable length: 25cm(cable length can be customized).
- 7, LED sensor detector cable length: 1m(cable length can be customized).



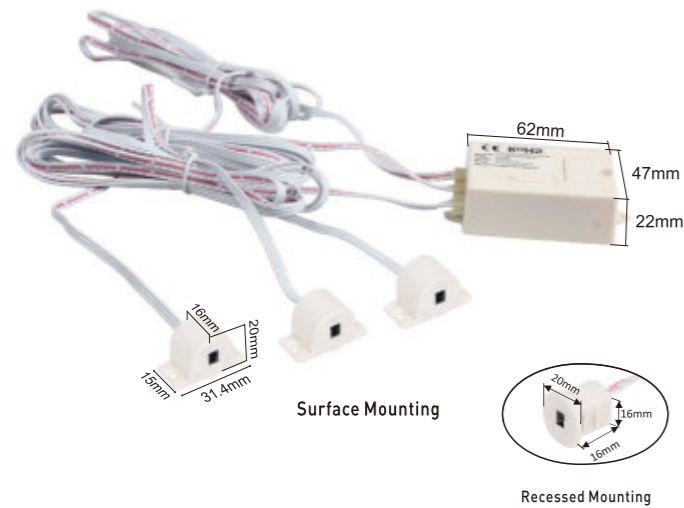
## IR door sensor: IR013(Internal)

- 1, Input Voltage: 12-24VDC.
- 2, Current: 8A.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Automatically switch on/off when open/close the door.
- 6, Dimension: 55\*10mm.



## Magnetic sensor switch: MC001

- 1, Input Voltage: 12-24VDC.
- 2, Current: 3A max.
- 3, Detection range: ≤1.5cm
- 4, Turn on/off the light when the magnet leaves or approaches.
- 5, With brightness buffer function.



## IR door & hand sensor switch

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Mode can be changed manually:
  - door mode: turn on/off the light when the door is open/close.
  - hand mode: turn on the light when the hand is passing over.
- 6, Workable with on/off detectors.



## Recessed or surface mounted door/hand sensor: Ir015

- 1, Input voltage: 12-24VDC.
- 2, Output voltage: 12-24VDC.
- 3, Current: 2A max.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Load current: Load around 24W for 12V, 48W for 24V.

## Recessed door & hand sensor switch: IR010

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Detection range: 0.5cm≤detection range≤10cm.
- 5, Mode can be changed manually:
  - door mode: turn on/off the light when the door is open/close.
  - hand mode: turn on the light when the hand is passing over.
- 6, Input and output cable length: 1m (cable length can be customized).
- 7, LED sensor detector cable length: 1m (cable length can be customized).



## Free move door sensor: IR016

Operation: Lights will be ON/OFF when open/close the door

- 1, Input voltage: 12-24VDC.
- 2, Output voltage: 12V-24VDC.
- 3, Input current: 2A max.
- 4, Detection Range: 0.5cm≤Detection Range≤10cm.
- 5, Load Around: Load around 24W for 12V, 48W for 24V.
- 6, Color: White/Black.

## Surface mounting door & hand sensor switch: IR011

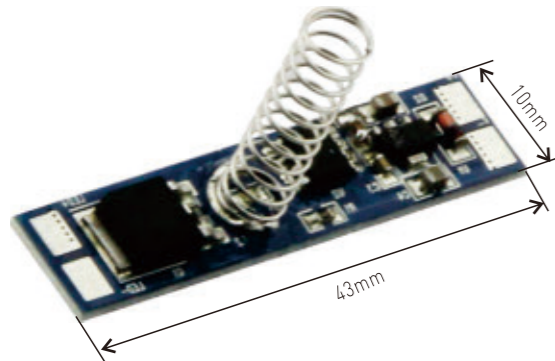
- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max. ;
- 3, Detection range: 0.5cm≤detection range≤10cm.
- 4, Power: 48W for 12V, and 96W for 24V.
- 5, Automatically switch on/off when open/close the door.
- 6, Mode can be changed manually:
  - door mode: turn on/off the light when the door is open/close.
  - hand mode: turn on the light when the hand is passing over.
- 7, LED sensor detector cable length: 1m (cable length can be customized).
- 8, Input and output cable length: 1m (cable length can be customized).



## Touch dimmer: TD001

Touch switch onn/off function

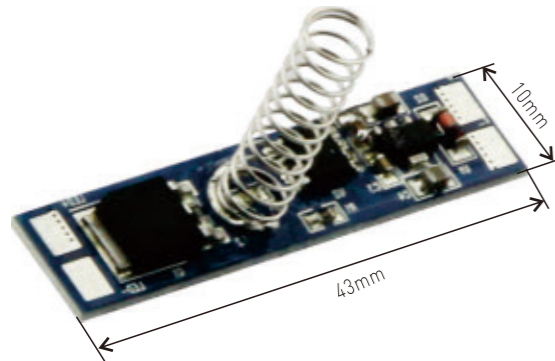
- 1 , Input voltage: 12-24VDC.
- 2 , Current: 8A max.
- 3 , Power: 96W for 12V, and 192W for 24V.
- 4 , Quick touch: switch on/off.



## Touch dimmer: TD002

Touch switch on/off with dimming function

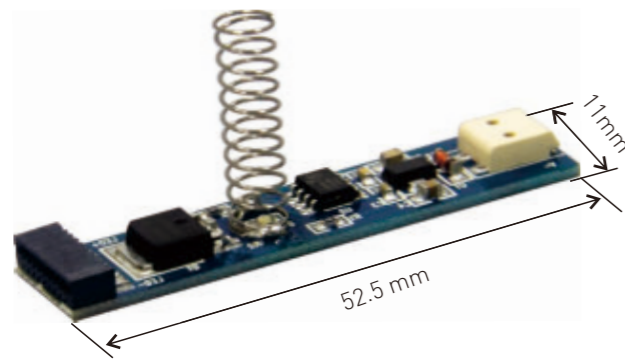
- 1 , Input voltage: 12-24VDC.
- 2 , Current: 8A max.
- 3 , Power: 96W for 12V, and 192W for 24V.
- 4 , Quick touch: switch on/off.
- 5 , Long touch: dimming.



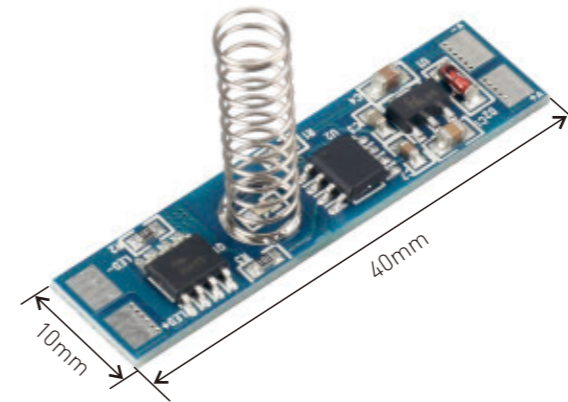
## Touch dimmer: TD002-TM

Touch switch on/off with dimming function

- 1 , Input voltage: 12-24VDC. ; output voltage: 12V-24VDC.
- 2 , Current: 3A.
- 3 , Input wire: 26~20AWG.
- 4 , Recommended stripping length: 6-7mm.
- 5 , Connecting led strip thickness: 0.4-0.6mm.
- 6 , Connecting led strip width: 8-10mm.
- 7 , Height of spring 20mm (cuttable).
- 8 , Load around 36W for 12V, and 72W for 24V.



NEW



## Touch dimmer: ETD003

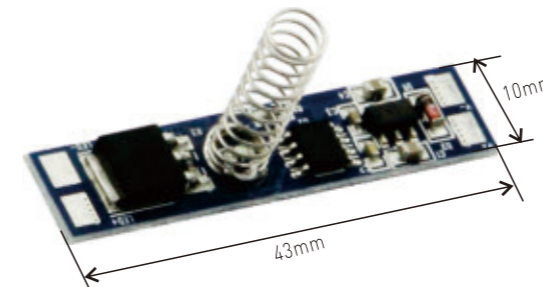
Touch switch on/off with dimming and memory

- 1 , Input voltage: 12-24VDC.
- 2 , Current: 4A max.
- 3 , Power: 48W for 12V, and 96W for 24V.
- 4 , Quick touch: switch on/off ; long touch: dimming.
- 5 , 12V-24VDC memory function.

## Touch dimmer: TD003

Touch switch on/off with dimming and memory

- 1 , Input voltage: 12-24VDC.
- 2 , Current: 8A max.
- 3 , Power: 96W for 12V, and 192W for 24V.
- 4 , Quick touch: switch on/off ; long touch: dimming.
- 5 , 12V-24VDC memory function.



## Touch dimmer: TD004A

Touch switch on/off with dimming function

- 1 , Input voltage: 12-24VDC.
- 2 , Current: 4A max.
- 3 , Power: 48W for 12V, and 96W for 24V.
- 4 , Cable length: 1m with mini connector.
- 5 , Quick touch: switch on/off; long touch: dimming.







## Touch dimmer: TD004AM

Touch switch on/off with dimming function and memory

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 1m with mini connector.
- 5, Quick touch: switch on/off; long touch: dimming.
- 5, 12V-24VDC memory function.
- 6, Aluminum housing.



## External touch dimmer: TD005

Touch switch on/off with dimming function

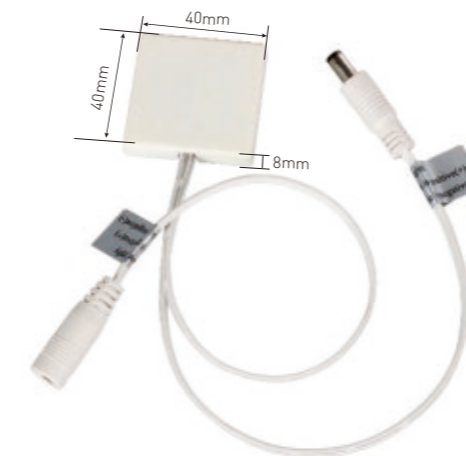
- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 15cm with dc 5.5x2.1 DC plug.
- 5, Quick touch: switch on/off; long touch: dimming.
- 6, Aluminum housing.



## Touch dimmer: TD004B

Touch switch on/off with dimming function

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 15cm with dc 5.5x2.1 plug.
- 5, Quick touch: switch on/off; long touch: dimming.



## External touch dimmer for panel: TD006

Touch switch on/off with dimming function + memory.

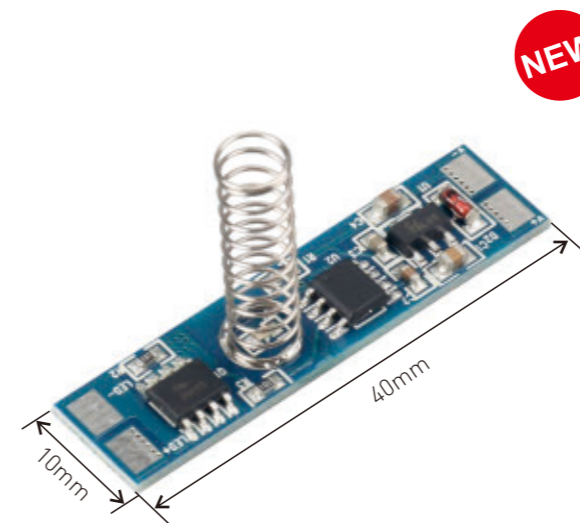
- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 25cm with dc 5.5x2.1 plug.
- 5, Touch wood/glass panel, max 25mm.
- 6, Quick touch: switch on/off; long touch: dimming.



## Touch dimmer: TD004BM

Touch switch on/off with dimming function and memory

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 15cm with dc 5.5x2.1 plug.
- 5, Quick touch: switch on/off; long touch: dimming.
- 5, 12V-24VDC memory function.
- 6, Aluminum housing.



## Touch dimmer: ETD007

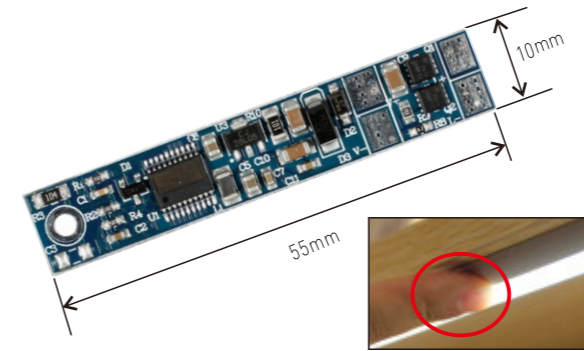
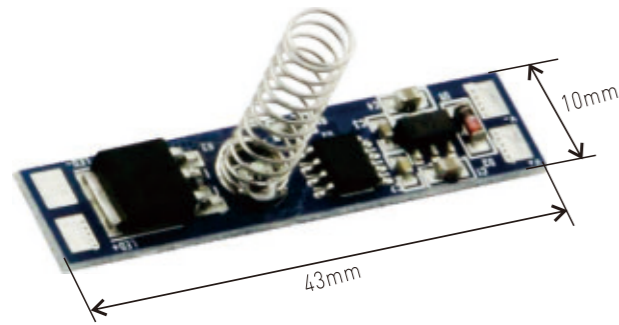
Touch switch on/off with dimming and 0V memory.

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Quick touch: switch on/off ; long touch: dimming.
- 5, Power off (0V) and 12V-24V DC memory function.

## Touch dimmer: TD007

Touch switch on/off with dimming and 0V memory.

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Quick touch: switch on/off; long touch: dimming.
- 5, Power off (0V) and 12V-24V DC memory function.



## Touch-aluminum profile LED sensor switch: TD011

- 1, Input voltage: 12-24VDC.
- 2, Current: 3A max.
- 3, Power: 36W for 12V, and 72W for 24V.
- 4, Quick touch: switch on/off; long touch: dimming.
- 5, 0V (power off) memory function.
- 6, Accessory: PM2\*3MM screw\*1 Pcs.

## Touch dimmer with LED: TD008

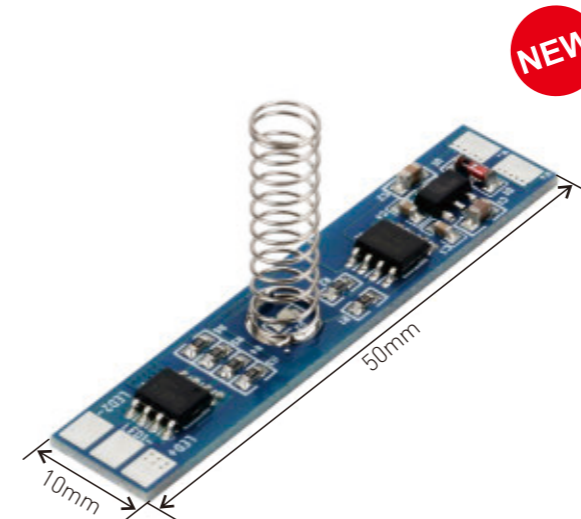
Touch switch on/off with dimming function and memory

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 24W for 12V, and 48W for 24V.
- 4, Cable length: 1m with mini connector.
- 5, Quick touch: switch on/off; long touch: dimming.
- 5, 12V-24VDC memory function.
- 6, Aluminum housing.



## CCT Touch dimmer switch: TD015

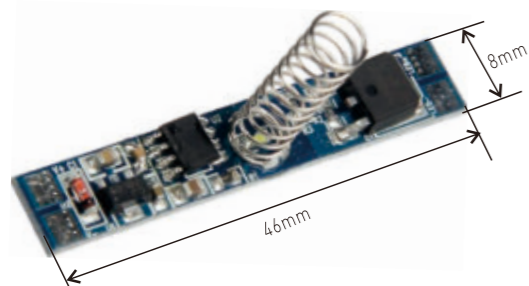
- 1, Operation: touch to change color temperature and dimming and 0V memory.
- 2, Input voltage: 12V-24V DC.
- 3, Output voltage: 12V-24V DC.
- 4, Input current: single channel: max. 4A, total max.6A
- 5, Height of spring: 20mm
- 6, Load around: 72W for 12V and 144W for 24V



## Memory touch switch dimmer: TD010

Touch on/off switch with dimming and memory function.

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Quick touch: switch on/off; long touch: dimming.
- 5, 12V-24VDC memory function.
- 6, Brightness buffer in 3 seconds.





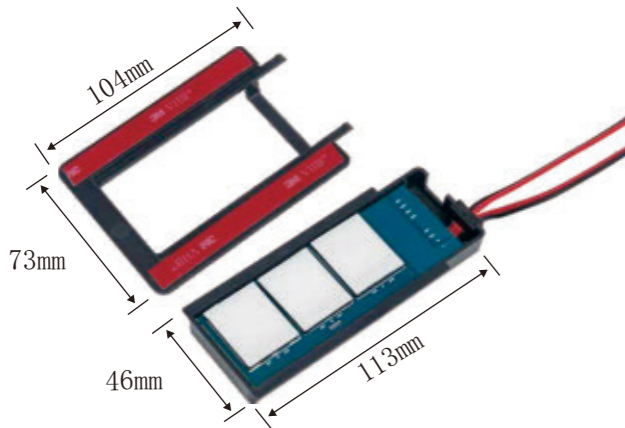
## Touch dimmer for mirror: TD009

Touch switch dimming + memory function.

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Cable length: 1m with mini connector.
- 5, Quick touch: switch on/off; long touch: dimming.

## Mirror touch dimmer: TD012B

- 1, Input voltage: 12-24VDC.
- 2, Current: 4A max.
- 3, Power: 48W for 12V, and 96W for 24V.
- 4, Mirror touch switch on/off + dimming + memory function.
- 5, Input and output cable length: 200mm (customized length can be ordered).



## Mirror sensor switch: MSS001

Turn on/off the light when hand pass over the mirror within 10cm.

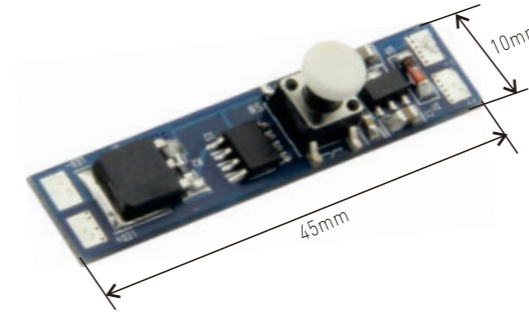
- 1, Input voltage: 12-24VDC.
- 2, Loading power: 4A max.
- 3, Hold the hand over the sensor more than 1 second, adjusting the brightness from 3% to 100%.
- 4, With 0V memory function.
- 5, Load around 48W for 12V, and 96W for 24V.
- 6, Input and output cable length: 1m (customized length can be ordered).



## Micro button switch: BS001

Button switch on/off with dimming and memory

- 1, Input voltage: 12-24VDC.
- 2, Current: 8A max.
- 3, Power: 96W for 12V, and 192W for 24V.
- 4, Quick press: switch on/off; long press: dimming.
- 5, 12V-24VDC memory function.



## Micro button switch: BS002

- 1, Operation: on/off + dimming function and 0V memory.
- 2, Input voltage: 12V-24VDC
- 3, Output voltage: 12V-24VDC
- 4, Input current: 4A
- 5, Input and output cable length: 30cm (length can be ordered)
- 6, Load around: 48W for 12V, and 96W for 24V
- 7, Waterproof: IP65



## Mini dimmer with CCT function: BS003-1

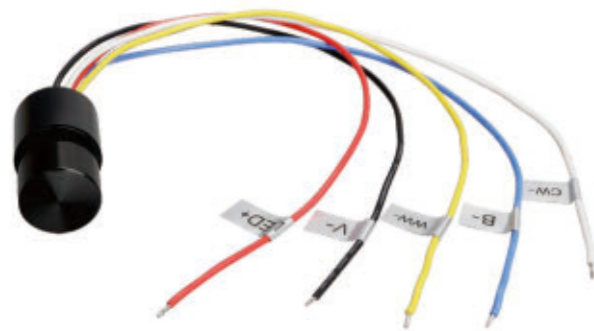
- 1, Voltage: 12-24VDC
- 2, Current: 3A/CH
- 3, IP rate: IP65
- 4, Dimming grade: 20
- 5, CCT grade: 21
- 6, Operation: press, press twice, rotate
- 7, Color: cold white+warm white





**Mini dimmer with CCT function: BS003-2**

- 1, Voltage: 12-24VDC
- 2, Current: 3A/CH
- 3, IP rate: IP65
- 4, Dimming grade: 10
- 5, CCT grade: 21
- 6, Operation: press, press twice, rotate
- 7, Color: cold white+warm white



**Mini RGB controller button switch: BS004**

- 1, Voltage: 12-24VDC
- 2, Current: 3A/CH
- 3, IP rate: IP65
- 4, Dimming grade: 20
- 5, CCT grade: 61
- 6, Operation: press, press twice, press it 3 times, rotate
- 7, Color: RGB



**Wireless sensor: Ws001 Series**

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

- 1, The working voltage WS001-RE: DC12-24V.
- 2, WS001-DOOR WS001-2DOOR WS001-PIR WS001-TD  
Charging voltage: 5V
- 3, Wireless control distance: 10M.
- 4, Size: 45\*45\*13mm.
- 5, Working temperature: -20°C - 40°C.
- 6, Waterproof level: IP20.
- 7, 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.

**1. Wireless sensor function introduction:**

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

- For the constant voltage normal power supply, the independent receiver WS001-IRE uses a 2P (black 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.

Wireless sensor: Ws002 Series

NEW



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 put 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	—		

