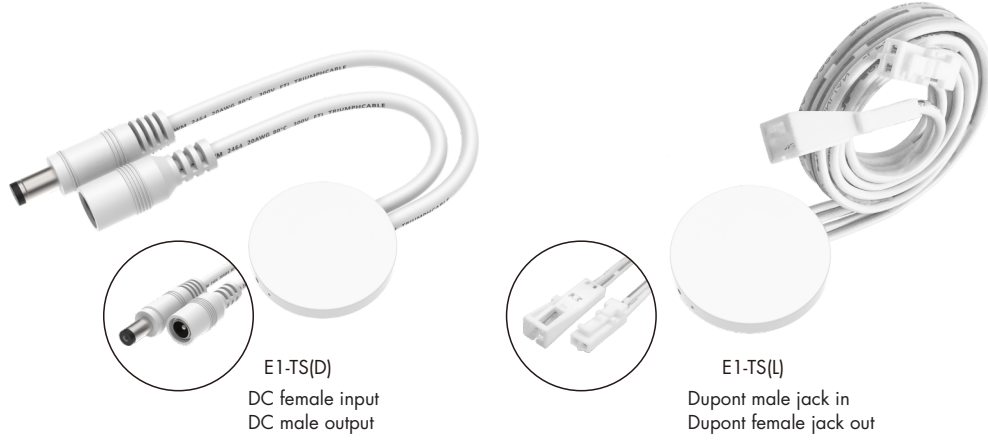


E1-TS(D), E1-TS(L)

Paste Anywhere Touch/Hand Sweep Sensor Switch Head

Sensor

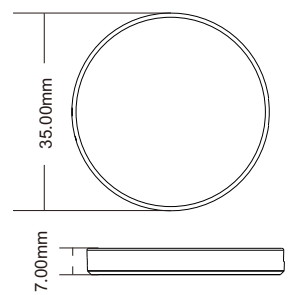
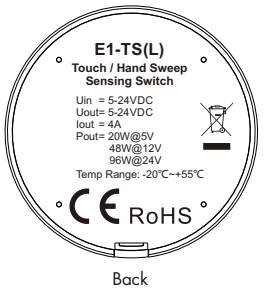


CE RoHS

Feature

- Paste anywhere touch/hand sweep sensor switch, 5-24VDC power supply, output connected to low voltage LED strip.
- Can detect touch/hand sweep movement through non-metallic materials such as wood, acrylic, plastic and glass.
- Touch sensing: short press to turn on/off the light, long press to adjust the brightness.
- Hand sweep sensing: hand sweep once the light fade on, sweep again the light fade off; hand stay moment can be set dimmable or non-dimmable.
- 1s light on fade, 2s light off fade.
- Logarithmic dimming curves.
- 2 levels of sensing distance can be set (0-1cm, 3-4cm).
- 3 levels of output PWM frequency can be set (500Hz/2KHz(default)/4KHz).
- Ultra-thin design, no need to cut holes, random paste installation, can be hidden.
- Apply to light illumination of cabinets, closets, wine cabinets and so on.

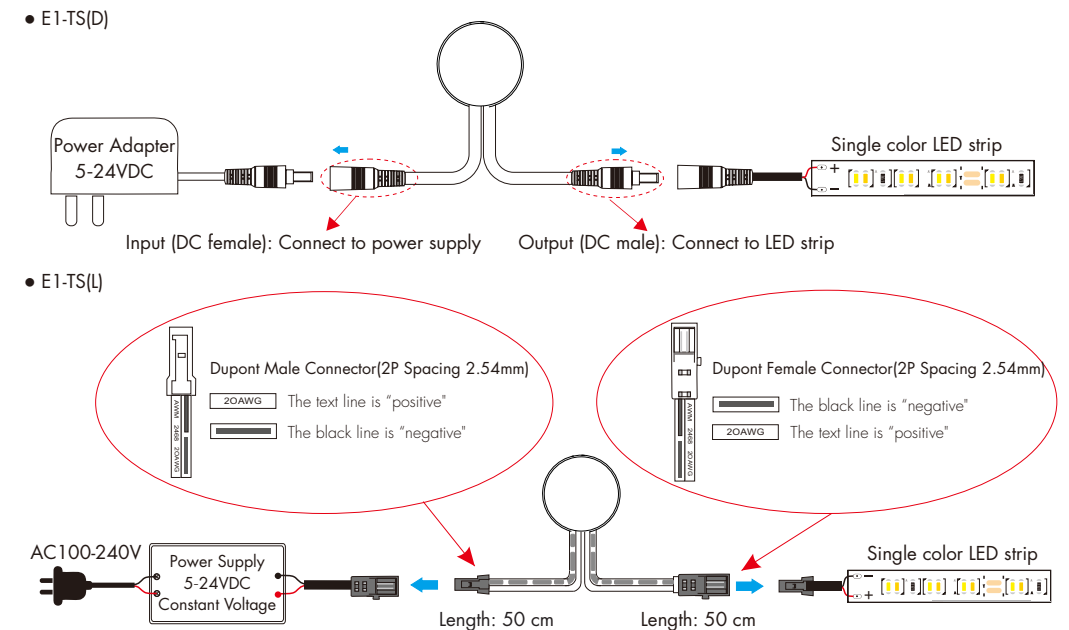
Mechanical Structures



Technical Parameters

Input and Output		Environment and Protection		Safety and EMC	
Input voltage	5-24VDC	Operation temperature	Ta: -20°C ~ +55°C	Safety standard	EN 61347-1/-2 EN 62493
Output voltage	5-24VDC	Protection	Reverse polarity	EMC standard	EN IEC 55015/ EN IEC 61547/ EN IEC 61000-3
Output current	4A	Package		Certification	CE RoHS
Output power	20-96W	Size	90x130mm	Warranty	5 years
PWM frequency	500Hz/2KHz(default)/4KHz	Gross weight	0.030kg		

Wiring Diagram

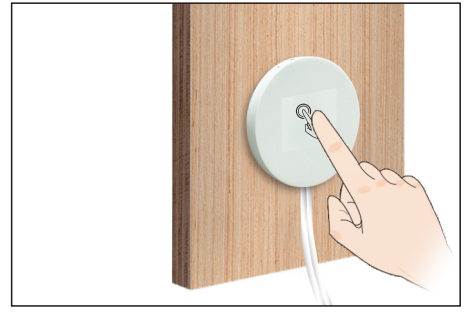


Sensor Switch Installation

1. Touch switch

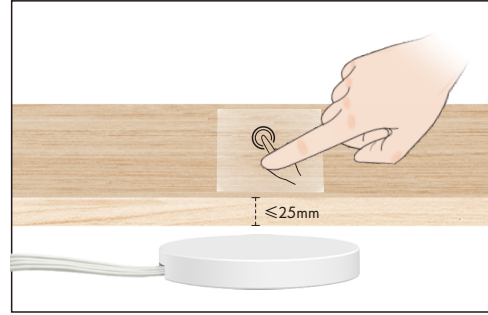
Short press to turn on the light, short press again to turn off the light.
 Long press for 2-7s, adjust the brightness of the light (5-100%).

• Open installation



Attach the back of the sensor switch to the board using 3M adhesive, then affix the indicator sticker to the front.

● Concealed installation



Attach the sensor switch to the back of the board using 3M adhesive.
Apply the indicator sticker to the corresponding position on the front of the board.

2. Hand sweep switch

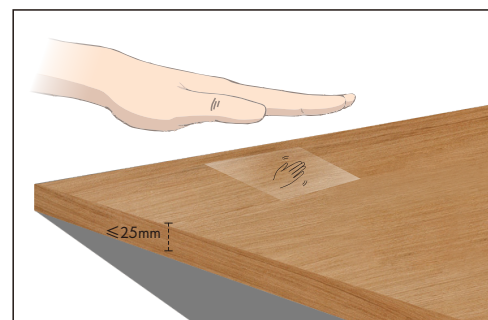
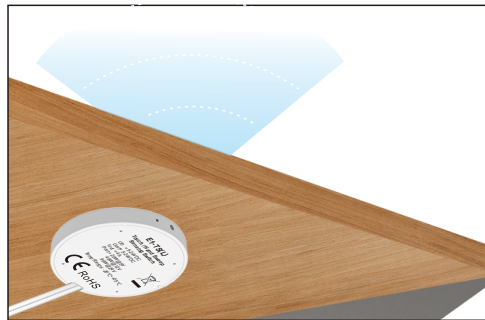
Hand sweep once the light fade on, sweep again the light fade off.
When the hand stays within the detection distance for 2-7s, adjust the brightness of the light (5-100%).
The brightness changes in the opposite direction when the hand moves away and stays again.

● Open installation



Attach the back of the sensor switch to the board using 3M adhesive, then affix the indicator sticker to the front.

● Concealed installation



Attach the sensor switch to the back of the board using 3M adhesive.
Apply the indicator sticker to the corresponding position on the front of the board.

Installation Precautions:

1. Please use 3M adhesive to install the sensor switch anywhere or on the back of non-metallic materials such as wood, plastic, glass, acrylic, etc.
2. The sensor switch is not affected by ambient temperature, humidity, light, etc., and has strong anti-interference capability.
3. When installing, place the sensing side up.
4. Concealed detection thickness $\leq 25\text{mm}$.

Sensor Switch Head Function

Set the sensing distance:

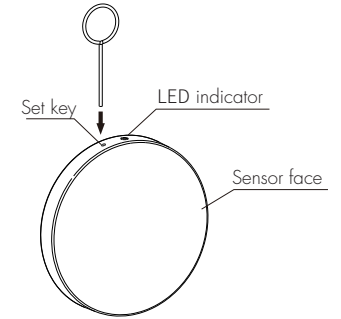
Short press the set key to switch 2 levels of sensing distance in sequence.
When the LED indicator blinks 1 time, the sensing distance is set to 0-1cm(for open mounted touch sensing).
When the LED indicator blinks 2 times, the sensing distance is set to 3-4cm(for concealed touch sensing, open mounted hand-sweep sensing, and concealed hand-sweep sensing).

Set the PWM frequency:

Long press the set key for 5-15s to set 3 kinds of PWM frequency in sequence.
Long press for 5s, the LED indicator blinks 3 time, the PWM frequency is set to 500Hz;
Long press for 10s, the LED indicator blinks 4 time, the PWM frequency is set to 2KHz;
Long press for 15s, the LED indicator blinks 5 time, the PWM frequency is set to 4KHz.

Set whether dimmable or not:

Long press the set key while the sensor switch is powered on, the LED indicator light off.
Long press for 5s, the LED indicator blinks 2 time, setting it to dimmable mode.
Long press for 10s, the LED indicator blinks 4 time, setting it to non-dimmable.



Memory function:

After power failure and turn on again, the device automatically restores the setting parameters before power failure.

Restore factory default settings:

Long press the set key for 20s, the LED indicator blinks 6 time, indicating that the factory default settings have been restored.
Factory default parameters: 3-4cm sensing distance, 2KHz PWM frequency, dimmable.

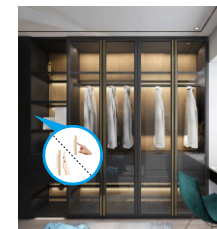
Note:

1. Please set the sensing distance, PWM frequency and dimming capability according to the actual installation requirements with the equipped pin.
2. When set to non-dimmable, the light can only be turned on or off, brightness cannot be adjusted. When set to dimmable, brightness can be adjusted.
3. When turning on the light, the LED indicator is brighter; when turning off the light, the LED indicator is darker; during brightness adjustment, the LED indicator flashes continuously.
4. Each time the sensor switch is powered on, the LED indicator flashes a number of times corresponding to the current sensing distance setting value.

Sensor Switch Application



Wine cabinet application



Closet application



Cabinet application



Showcase application