

# TRONIX

# Easy connect

## 213-542

### Paste Anywhere Touch Sensor Switch head

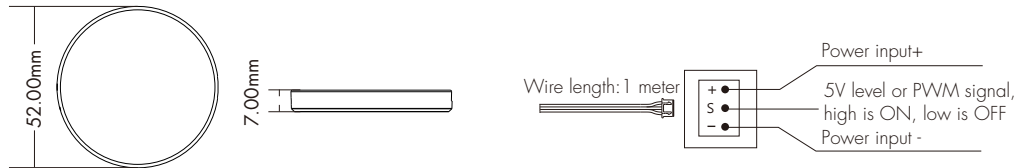
#### Features

- Paste anywhere touch sensor switch head, can used with a variety of sensor controllers.
- Can detect touch movement through non-metallic materials such as wood, acrylic, plastic and glass.
- Low voltage 5VDC supply with 5V PWM signal output.
- Short press to turn on/off the light, long press to adjust the brightness.
- 1s on light fade, 2s off light fade.
- Logarithmic dimming curves.
- 2 levels of touch sensing distance can be set (0-1cm for open installation, 3-4cm for concealed installation).
- 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 cabinet, closet, wine cabinet and other lighting.



CE RoHS

#### Mechanical Structures



#### Sensor Switch Head Function

##### Touch switch:

Short press to turn the light on or off.  
Long press for 1-6 s, adjust the brightness of the light (adjustment range: 5-100%),  
Long press again, the brightness changes in reverse.  
When the light is on, the indicator is brighter; when the light is off, the indicator is dimmer;  
the indicator keeps blinking during brightness adjustment.

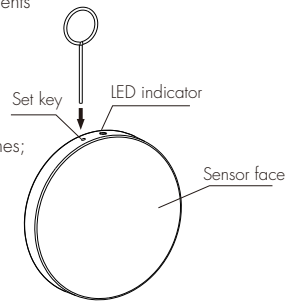
The factory default sensing distance is 3-4cm and PWM frequency is 2KHz.  
Please set the sensing distance and PWM frequency according to the actual installation requirements  
by short press or long press the set key with the equipped pin.

##### Set the sensor distance:

Short press the set key to switch 2 levels of sensing distance in sequence.  
When the sensor distance is set to 0-1cm (for open mounting), the LED indicator blinks 1 time;  
When the sensor distance is set to 3-4cm (for concealed mounting), the LED indicator blinks 2 times;  
Note: When the sensor switch is powered up, the LED indicator will blink  
the corresponding number of times according to the current sensor distance setting value.

##### Set the PWM frequency:

Long press the setup button for 5-15s to set 3 kinds of PWM frequency in sequence.  
Long press for 5s, the PWM frequency is set to 500Hz and the LED indicator blinks 1 time;  
Long press for 10s, the PWM frequency is set to 2KHz and the LED indicator blinks 2 times;  
Long press for 15s, the PWM frequency is set to 4KHz and the LED indicator blinks 3 times.  
Note: When long press, the LED indicator is off and will blink the corresponding number of times at 5s, 10s, 15s moments.

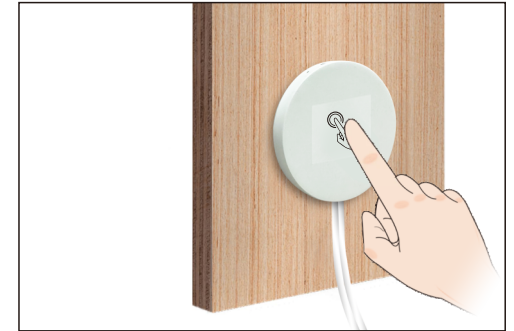


##### Memory function:

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

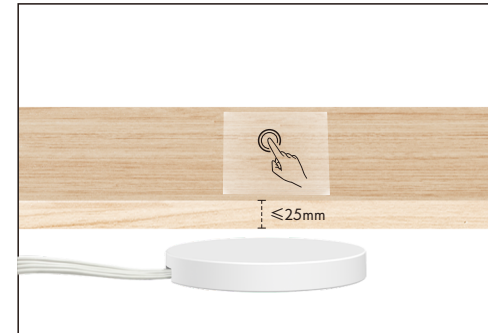
#### Sensor Switch Installation

##### Open installation:



Stick the back of the sensor head to the board with 3M adhesive, and attach the indicator sticker to the front.

##### Concealed installation:



Stick the front side of the sensor head to the back of the board with 3M adhesive,  
and attach the indicator sticker at the corresponding position on the front side 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 Head Application

