

## C210W Series MESH Series Remote Control

### MESH WIFI LED CONTROLLER MESH REMOTE CONTROL SET

CE RoHS



 **C-211W/DIM**  
2PIN PWM LED Strip



 **C-212W/CCT**  
3PIN PWM LED Strip



 **C-213W/RGB**  
4PIN PWM LED Strip



 **C-214W/RGBW**  
5PIN PWM LED Strip



 **C-215W/RGBWC**  
6PIN PWM LED Strip

**Compatible remote controls** A single device can support 10 remote controls at the same time



R-101/DIM



R-102S/CCT



R-102/CCT



R-103/RGB



R-104/RGBW



R-105/RGBCCT



R-011/DIM



R-023/3 WAY

...

### Compatible voice assistants

Support language command switch, brightness, color.



Amazon Alexa



Yandex Alice



Google Assistant



已接入米家  
works with  
mija



小米小爱



小智管家



天猫精灵



百度小度

### Local Remote Control:

MESH remote control realizes local physical key control (such as switching, group switching, basic dimming) through MESH, which is suitable for the elderly, children or quick operation.

MSHE WIFI Controller Through the WIFI Tuya Ecology supports remote APP control, which can finely adjust brightness, color and dynamic effects, and can share devices and create groups and other functions.

### peculiarity

- MESH wireless transmission technology, stable signal and strong penetration.
- Support matching multiple devices, multiple devices can be controlled at the same time, and one remote control can manage and synchronize up to 500 controllers. Each controller can be supported by 10 remote controls. (Control distance 30 meters)
- The brightness of the remote control can be adjusted according to personal preference, and the brightness and speed of the dynamic mode can be edited.
- The controller can adjust the brightness, color, voice control, select various dynamic or custom scenario modes, timing, countdown and other functions through the Tuya/Smart Life APP.
- Device click to run and automate, automatic transfer and synchronization function.
- PWM (Pulse Width Modulation) technology is adopted to ensure smooth light transition and avoid eye fatigue.
- Voice control, support Asia Alexa, Google Assistant, Tmall Genie, Xiaomi Xiaoi voice assistant and other speakers.
- Support multi-controller cascade, easily cover large-area lighting scenes such as shopping malls, theaters, building facades, etc.

## Device parameters

### LED controllers

Input voltage	DC 24-48V
Input current	6/CH; 15A max
Access signal	MESH+ WIFI
Control the distance	30M

Size	L113XW39XH20mm
Authentication	CE,ROHS

### Environment

Operating temperature	Ta: -20°C ~ +60°C
Maximum temperature of the case	Tc: +65°C
IP rating	IP20

### Wrap

Package size	L11.6XW4.55XH2.45cm/0.06kg
Box size (100 pcs)	L42.5XW26.5XH17cm/6kg

### LED remote control

voltage	3V(AAA*2PCS)
Operating current	10mW
Transmission frequency	MESH (2.4GHz)
Transmit power	6dBm

Color temperature range	2700K-6500K
Dimming range	1-100% Infinitely dimming

Remote control distance	30M
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Size	L122XW53XH21mm
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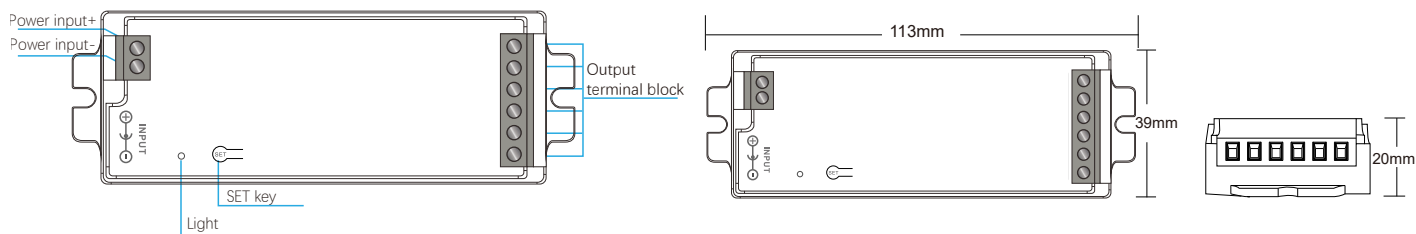
Operating temperature	Ta: -20°C ~ +60°C
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Authentication	CE,ROHS
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### Wrap

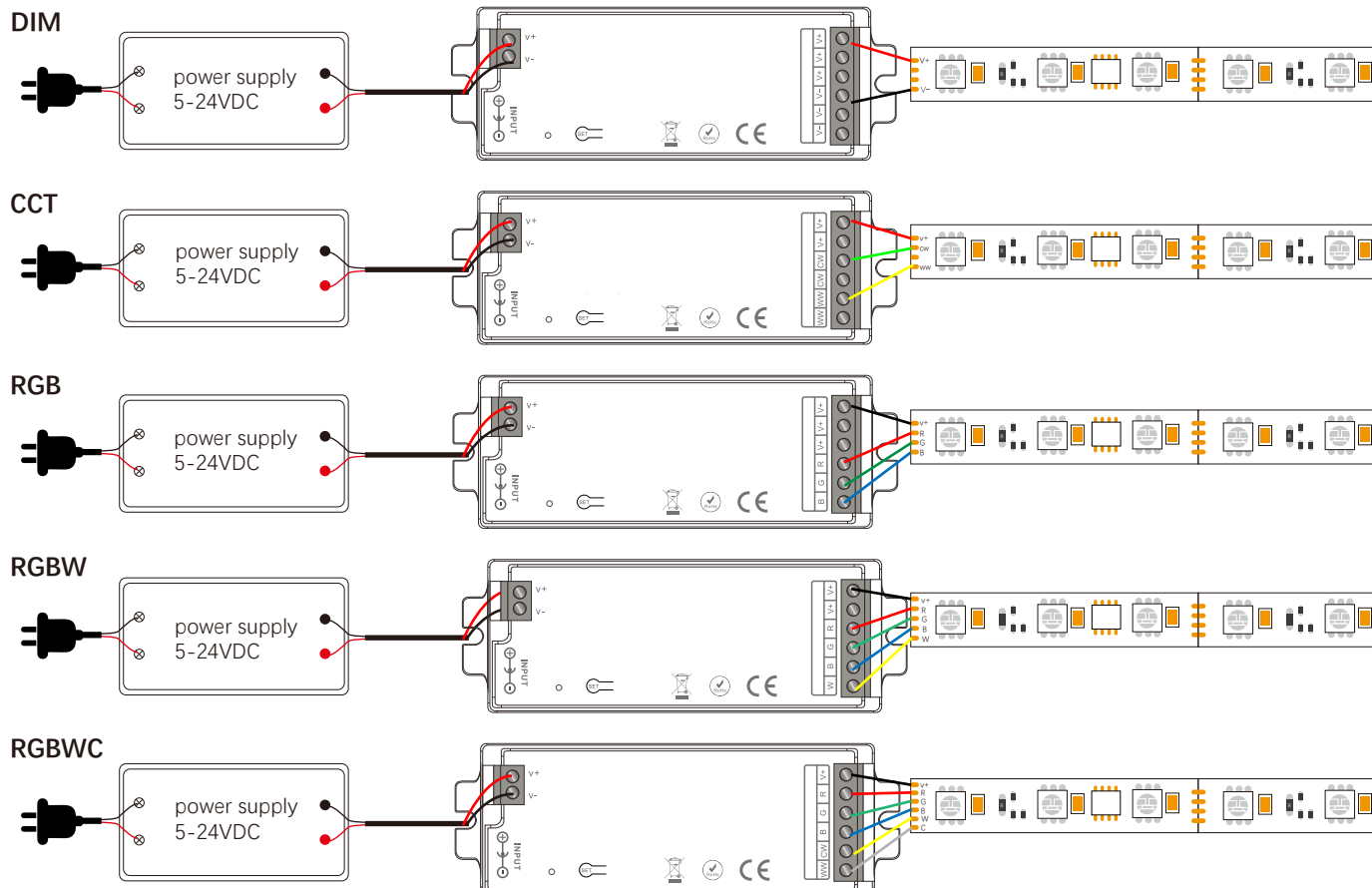
Package size	L13XW5.8XH2.7cm/0.105kg
Box size (100 pcs)	L27XW30XH15cm/11kg

## Equipment mechanism and installation



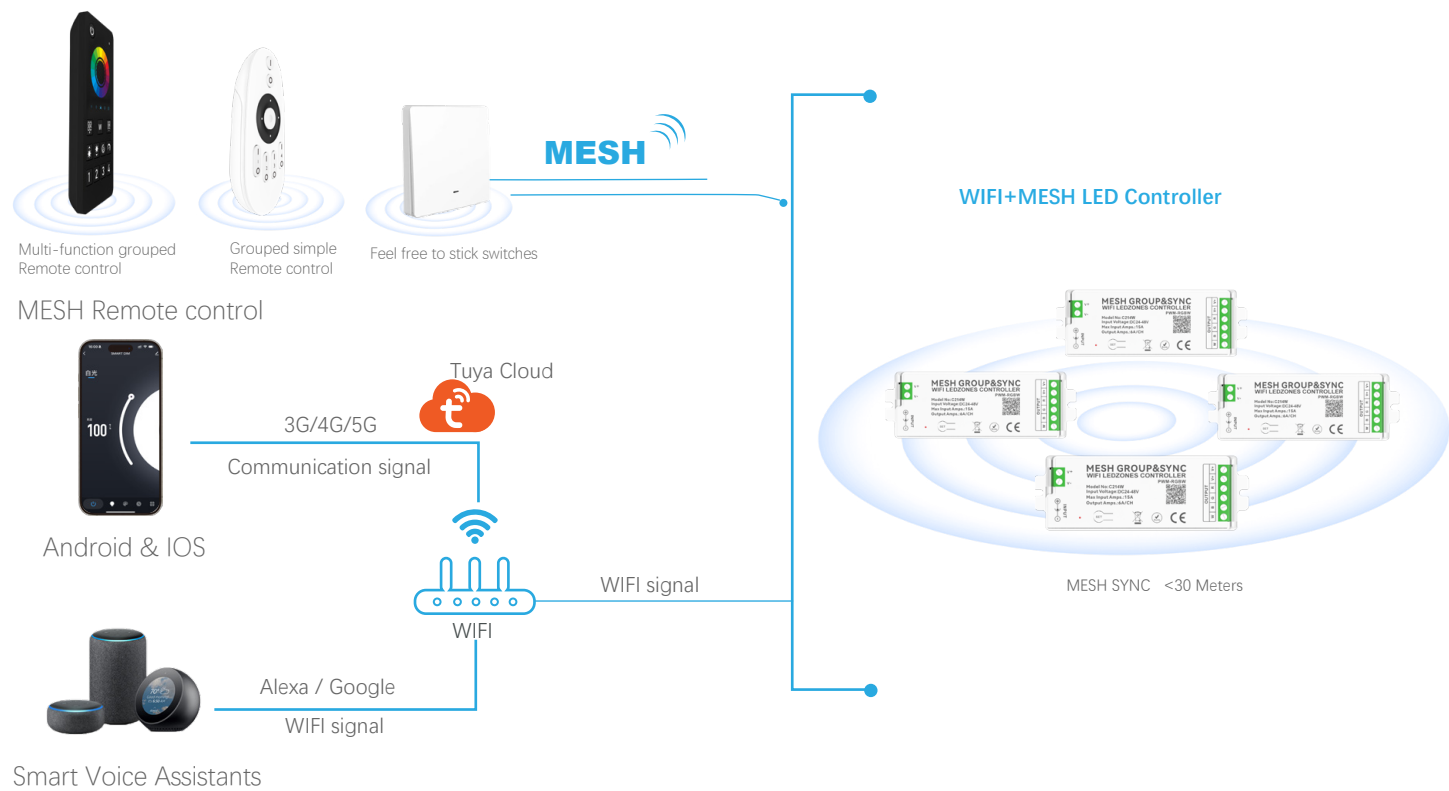
## Wiring diagram of the device

### Connect the strip light AC100-240V



Schematic diagram of the control connection

MESH wireless communication technology



Tuya smart download & APP network connection

1. Download and install the [Smart Life] or [Tuya Smart] APP

Search for [Tuya Smart] on Apple or Google Play or scan the QR code below to download and install the app. Please click on the "Sign Up" button to create an account and use it for the first time, if you already have an account, log in directly.

Please download the corresponding Tuya/Smart Life APP according to your region.



Scan the QR code to download the APP



Smart Life APP



Tuya Smart APP

2. Product function description & reset the device

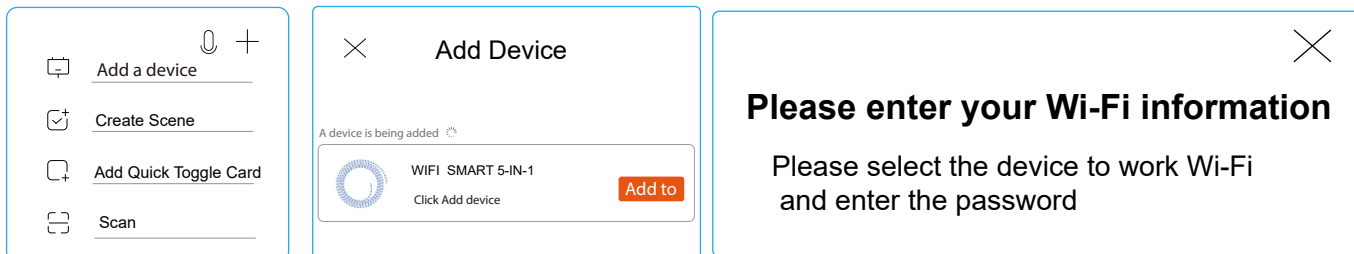
function		Button mode	Power-off mode
'SET' key	ON/OFF	Short press (release within 1s)	N/A
MESH Remote Control	The remote control is paired	Press (3S) The indicator light flashes quickly	3 Times
Android & IOS	WiFi Connect	Press (5S) The indicator flashes slowly	5 Times
Clean up and reset	Clean up and reset	Press and hold (10S) The controller indicator flashes quickly	10 Times



### 3. Connect to your smartphone

1. Make sure your smartphone is working under a WLAN network.
2. Open the login APP, press and hold "SET" to add a device, if it is not found, please click " " in the upper right corner, and then manually select "Add Device", when adding, you need to enter the WiFi password of your smartphone connection, and wait for 5-10 seconds to complete the connection after successfully entering
3. Once the connection is successful, the new device will be displayed on the home page, then tap on the device and enter the control interface to do more

Follow these steps to complete the connection:

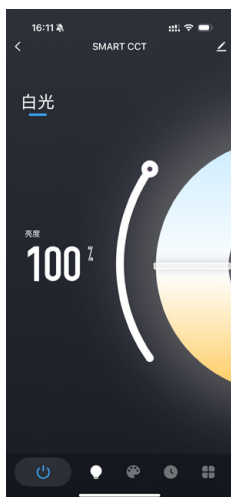


### Tuya APP interface

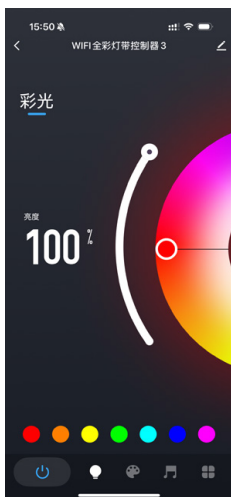
Main interface: white light mode; color temperature mode; IPL mode; Color light mode+ White light mode; Color light mode+ color temperature mode;



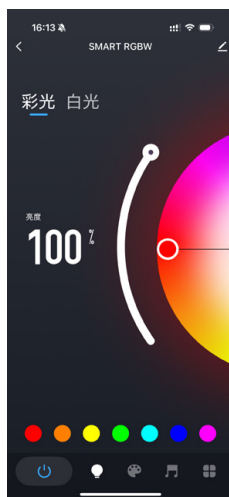
white light mode  
DIM



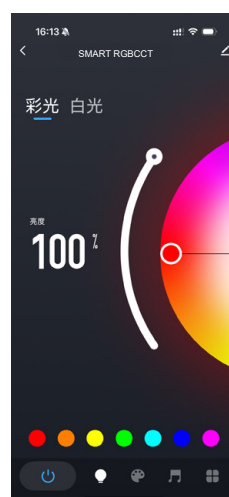
color temperature mode  
CCT



IPL mode  
RGB



Color light mode+  
White light mode  
RGBW

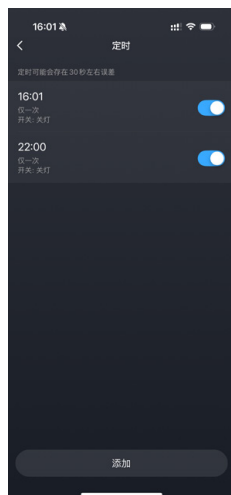


Color light mode+  
color temperature mode;  
RGB CCT

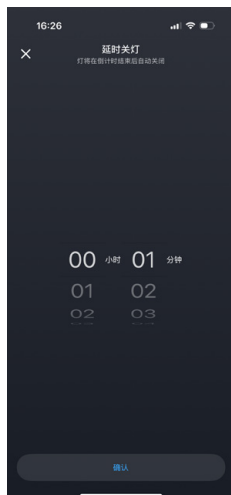
### C-211、C-212 Tuya app interface



Scenario mode



Timing



Countdown



Power-off mode



Set up

**White light mode/color temperature mode:** one-key switch, basic dimming

**Custom Scenes:** Six Scenario Modes Customize the static, jumping, breathing, color, brightness, and transformation speed of the scene, a total of 4 scenes can be customized.

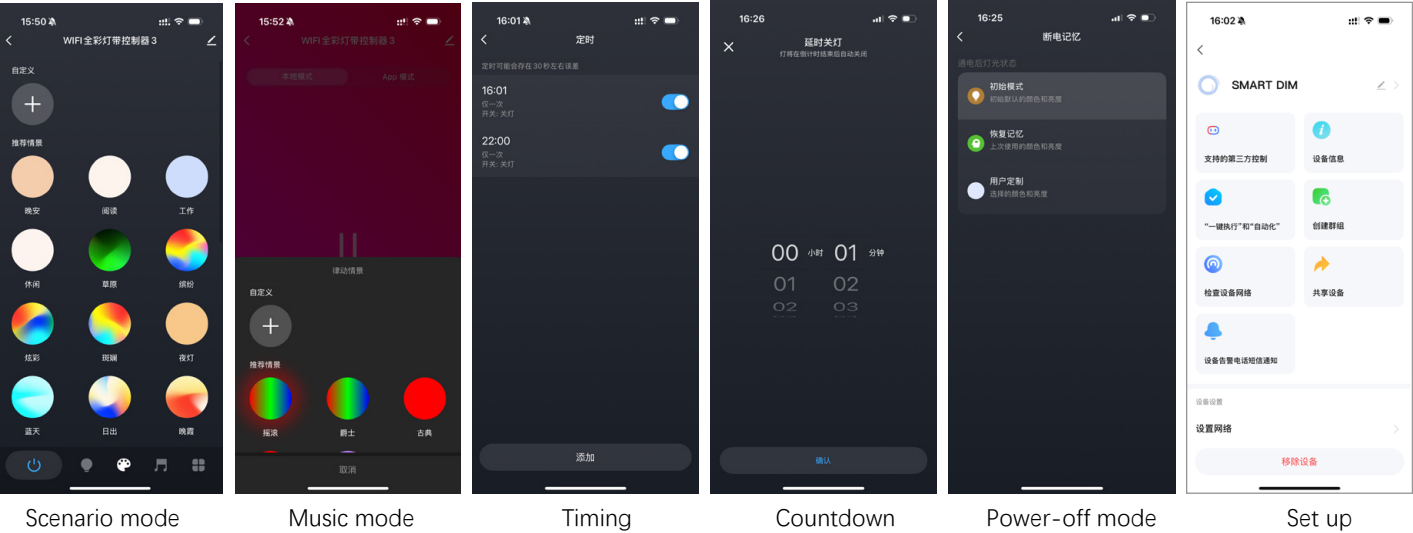
**Timing:** Customize multiple times to perform on/off light actions. There may be an error of about 30 seconds in timing.

**Countdown:** Customize the countdown time to perform the on/off action of the lights, and the lights will automatically turn off after the countdown ends.

**Power-off memory:** Power-on reaction can set the state of the light after power-on.

**Settings:** This interface can be bound with third-party language control, one-click execution and automation, group creation, device sharing and other functions

C-213、C-214、C-215 Tuya app interface



**IPL mode/IPL&White mode/IPL&color temperature mode:** one-key switch, IPL: set the color and brightness of the light, one-key shortcut color. White Light: Set the brightness and color temperature of white light.

**Custom scenes:** 32 story modes (30 story modes in RGB) Custom custom can adjust the static, jumping, breathing, color brightness, and change speed of the scene, a total of 10 scenes can be customized.

**Music Mode:** Local Mode: Adjustable Sensitivity, 5 Recommended Scenes, Custom Rhythm Scenes, a total of 3 Custom Rhythm Scenes can be added. APP mode: the sensitivity is not adjustable, you need to turn on the mobile phone microphone to detect the music.

**Timing:** Customize multiple times to perform on/off light actions. There may be an error of about 30 seconds in timing.

**Countdown:** Customize the countdown time to perform the on/off action of the lights, and the lights will automatically turn off after the countdown ends.

**Power-off memory:** Power-on reaction can set the state of the light after power-on.

**Settings:** This interface can be bound with third-party language control, one-click execution and automation, group creation, device sharing and other functions

Description of the function of the remote control

Multi-function grouped Remote control

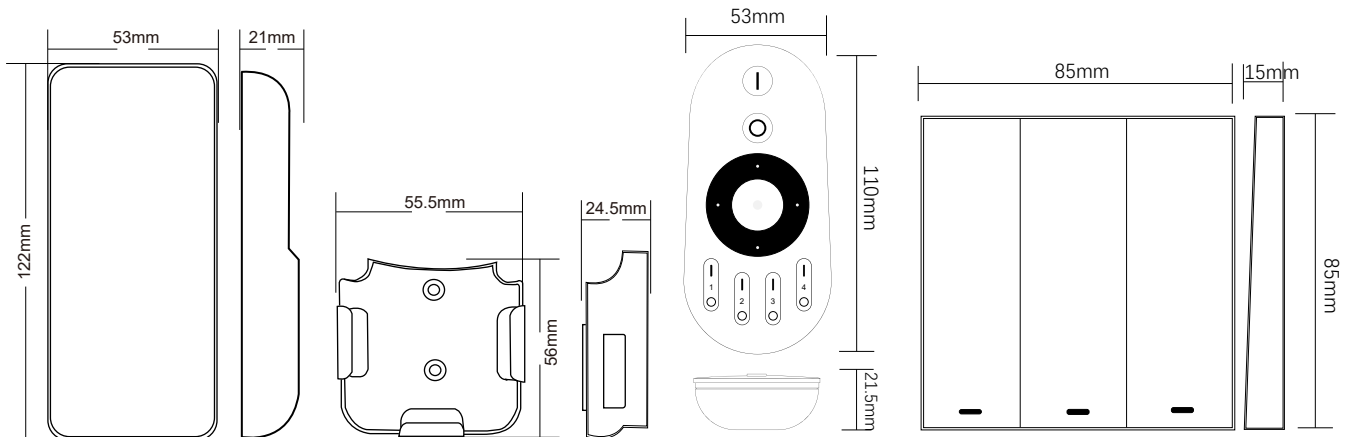
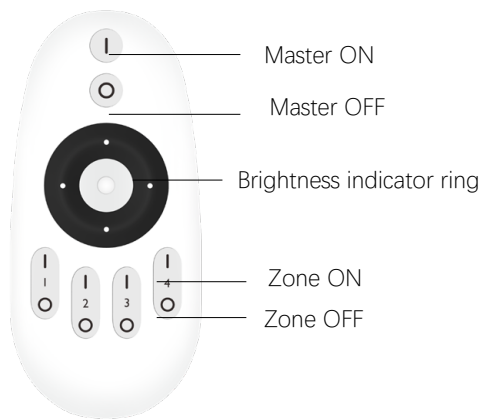
⏻ Main ON/OFF button    1 2 3 4 Grouping key    Short press; Select the key function. Long press; Perform key functions.





Grouped simple Remote control

Feel free to stick switches



## Safety Precautions

1. The remote control is a precision electronic product, please do not use it in a humid or high temperature environment for a long time. If not in use for a long time, remove the battery and store it in a cool, dry place.
2. Do not use this device in a large area of metal or in an environment with strong electromagnetic waves nearby, otherwise it will seriously affect the control distance
3. Please check whether the input voltage of the constant voltage power supply meets the requirements of the controller, and check whether the connection of the cathode and anode is correct.
4. The working voltage is DC 5~24V, if the voltage is higher than 24V, the controller will be damaged.
5. Non-professional users cannot directly disassemble the controller, otherwise it may cause fire and electric shock.
6. The working temperature (Ta) is -20~60°C; Do not use the device in direct sunlight, humidity, or other high-temperature areas.
7. When the equipment load reaches 15A, the wire diameter must be more than 1.5 square millimeters
8. When the device load exceeds 10A, the connection cable from the DC port to the LED strip must be shorter than 40cm.
9. Please install the device in a good heat dissipation area.