Product Specification

Name: Multi-function Touch Panel Controller
Model: WallDim001

- RGB mode
- Color temperature mode
- Dimmer mode
- Supply voltage:DC12V -24V
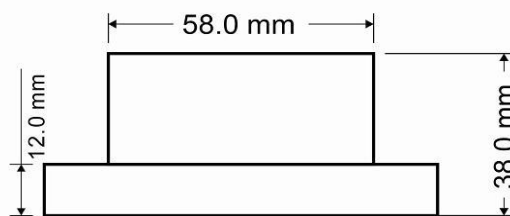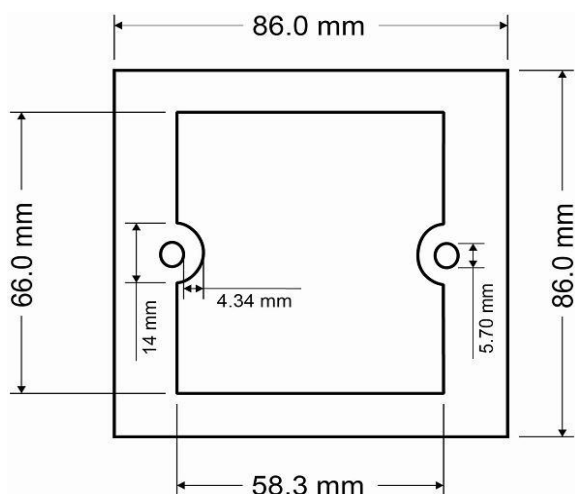- Output power: 12V<180W, 24V<360W

1 Summarization

WallDim001 is one of our high-end, multi-function WallDim touch panel controller series, with characteristics of fashionable and beautiful appearance, complete functions, easy operations, sensitive key touch, colorful changes and various forms. It is mainly used to control led lamps, wall lamps and so on. It can give out various colors of lights according to different environmental requirements, as well as the lights jump, changes of color temperature and the realization of smooth dimming; especially adjust the brightness and the speed of light jump.
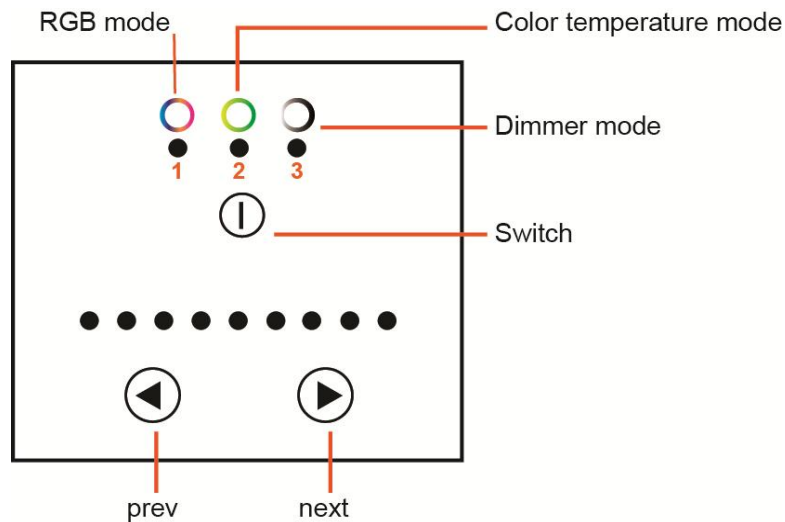
2 Technical Parameters

Supply voltage	DC12V -24V
Output power	12V<180W,24V<360W
Output current	<5A(each channel)
Static power	<1W
Output	3 channels
External dimension	L86 X W86 X H38 mm
Packing size	L110 X W110X H55 mm
Working temperature	-20-60 ℃
Net weight	125g
Gross weight	150g

3 Dimension

4 Function Description

Appearance

Switch button :Short press can control Power on and off, After power on, long press can change the output mode as follows,

Lamp 1 lights	RGB mode
Lamp 2 lights	color temperature mode
Lamp 3 lights	dimmer mode

Prev/ Next button: In the different mode adjust Lights state

RGB mode

◀ Short press can choose Lights state, At the certain lights state long press can increase brightness or speed

▶ Short press can backward choose Lights state, At the certain lights state long press can reduce brightness or speed
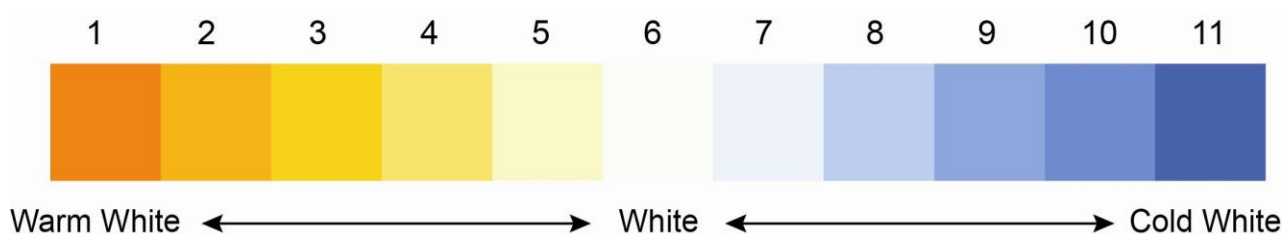
Lights state as follows,

Mode number	Lights state	Remark
1	Static red	brightness is adjustable，speed is un-adjustable
2	Static green	
3	Static blue	
4	Static yellow	
5	Static purple	
6	Static blue-green	
7	Static white	

8	Three-color jumpy change	speed is adjustable, brightness is un-adjustable
9	Three-color gradual change	
10	Seven-color jumpy change	
11	Seven-color gradual change	

Color temperature mode

(◀) Short press can choose Lights state, At the certain lights state long press can increase brightness.

(▶) Short press can backward choose Lights state, At the certain lights state long press can reduce brightness.
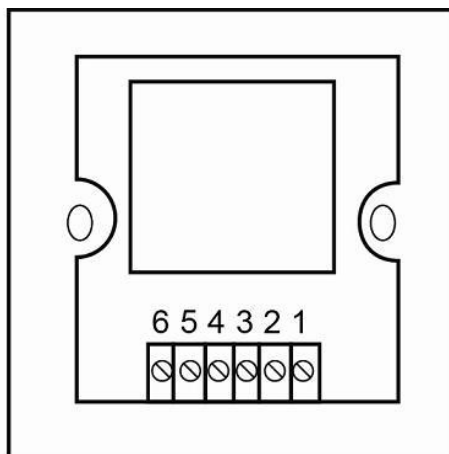
Lights state as follows,

Dimmer mode

(◀) Short press can choose Lights state, At the certain lights state long press can increase brightness.

(▶) Short press can backward choose Lights state, At the certain lights state long press can reduce brightness.

5   Interface Introduction

1. POWER: GND
2. POWER: V+
3. OUTPUT: V+
4. OUTPUT: CH1
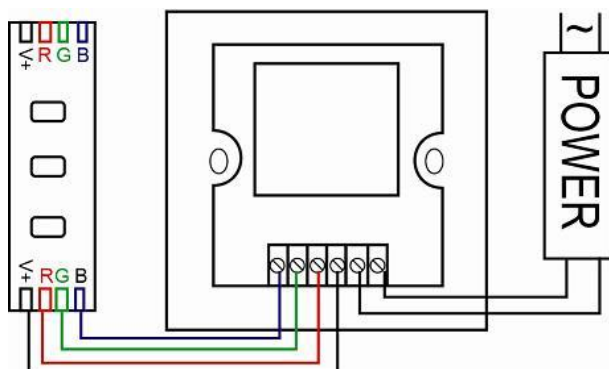5. OUTPUT: CH2
6. OUTPUT: CH3

◆ Power input interface

DC 12-24V input, supply power for controller and the lamps it takes.
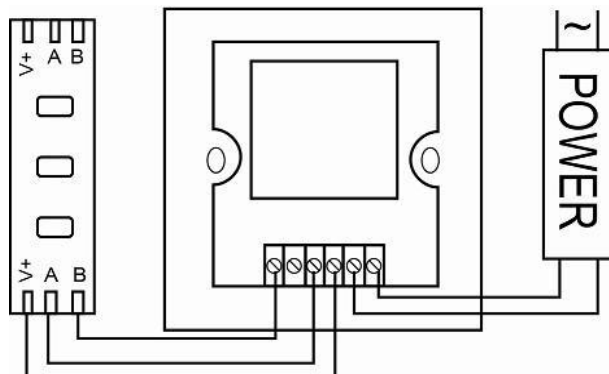
◆ Driver output interface

Common anode, V+ and CH1,2,3 interface，can drive kinds of RGB lights, color temperature adjustable lights　or single-color lamps, output current can regulate according to the actual load.
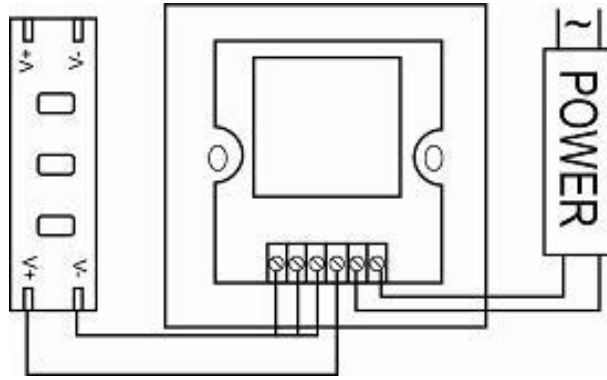
6   Typical Application

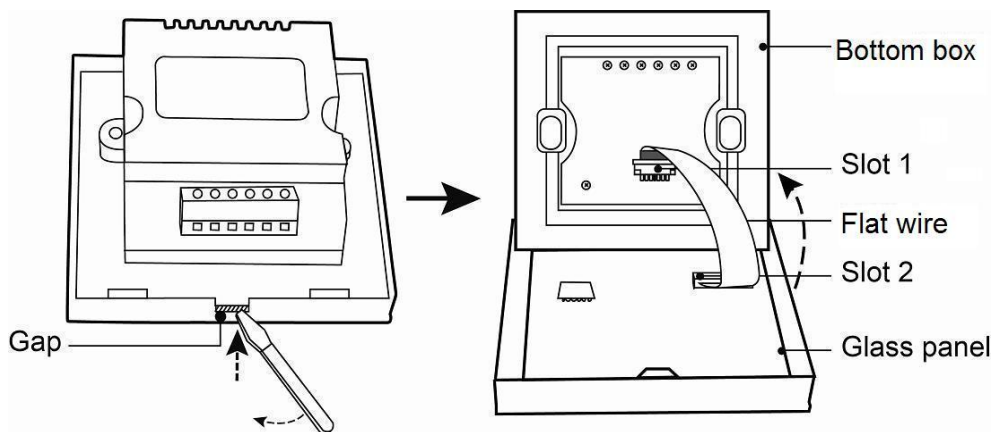● **RGB mode**

● **Color temperature mode**
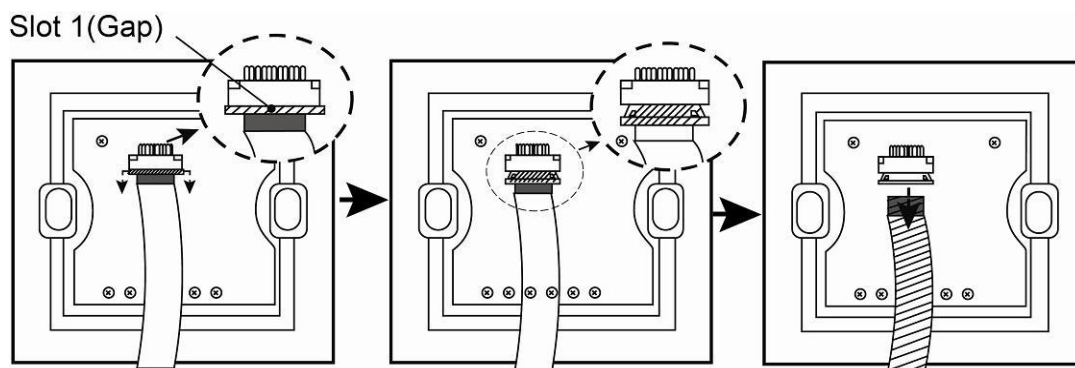
● **Dimmer** mode

7 Installation Guide

1. To separate the glass panel and the bottom box of the controller with a screwdriver along the gap of the bottom box.

Notice: the flat wire connect between the glass panel and the bottom box, please be careful.
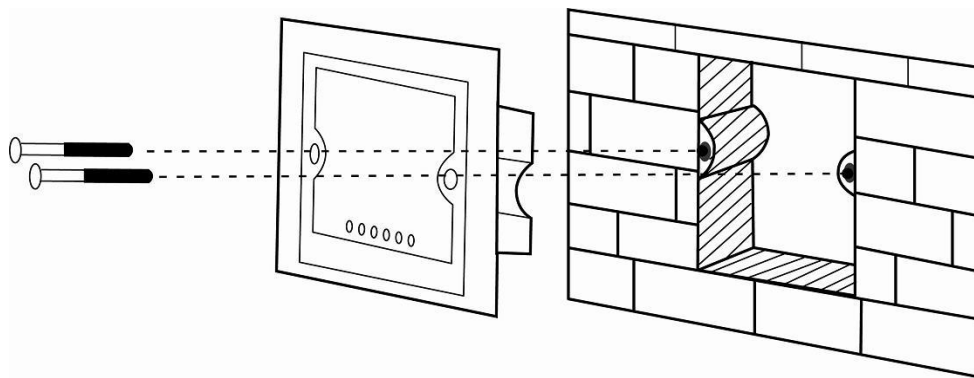

2. To gently and parallel pull out the card buckle on slot NO.1 with fingers (about 1.5mm), until flat wire loosen and can be pulled out from the slot.
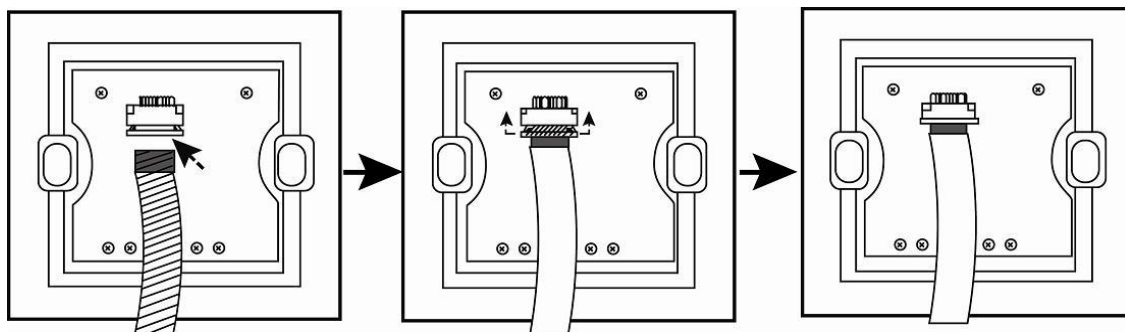

3. To connect the output and power wires to the corresponding input and output terminal blocks on the bottom box.
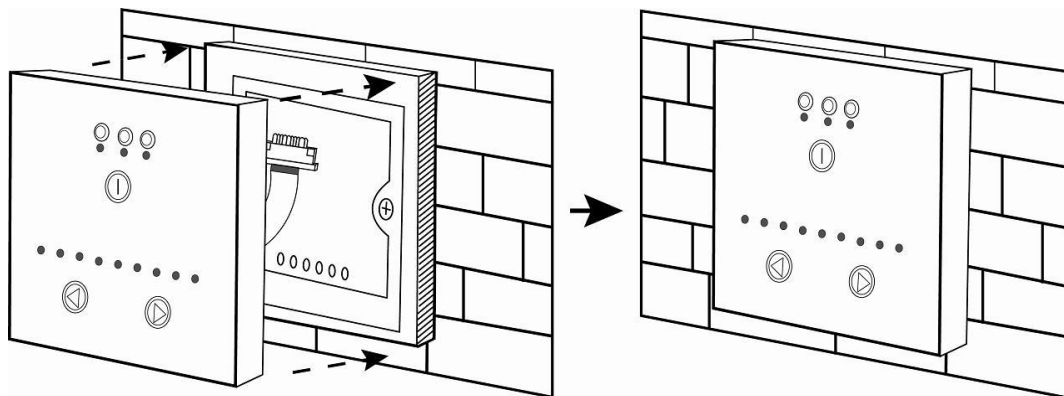
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4. To lock the bottom box on the wall and fix it with the screwdriver.

5. To insert the flat wire into the slot No.1 (about 2 mm) with fingers, with the blue side up, then parallel push the card buckle of the slot No.1 back so as to lock the flat wire.

6. To buckle the glass panel to the bottom box.

Remarks:

1. **Please ensure short circuit can not occur between connecting wire before you turn on the power.**

2. Power supply voltage range is DC12~24V, more than voltage range maybe will burnout the controller.