

Product Specifications

NAME: Low-voltage Touch Panel Full-color Controller

MODEL: TM08U



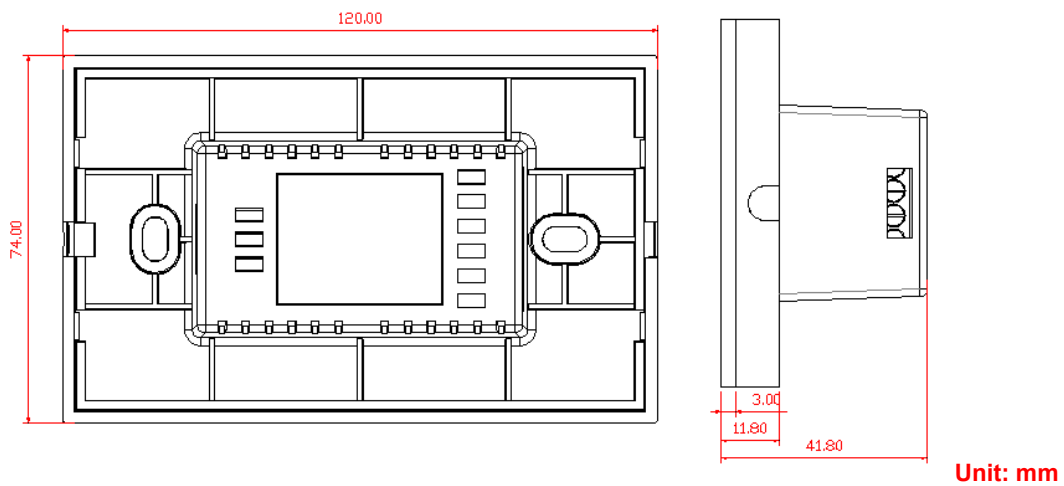
Summary

The touch panel controller is a new high-end dimmer which has recently been developed by our company. Adopt the glass panel design, it is beautiful and modern in appearance. Adopt high-precision capacitive touch control chip, increase touch sensitivity, reduce trigger caused by error. It is used to control a variety of lamps whose light source is LED. For example, point light source, flexible light strip, panel lights etc., it has many advantages such as convenient to connect, easy in its use and more.

Technical Parameters

- Working temperature: -20-60 °C
- Supply voltage: DC12-24V
- Output voltage: DC12-24V
- Output: 3 channels
- Connection mode: common anode
- External dimension: L74 X W120 X H41.8mm
- Packing size: L150X W100 X H57 mm
- Net weight: 155g
- Gross weight: 217g
- Static power consumption: <1W
- Output current: <4A (each channel)
- Output power: 12V<144W, 24V<288W

External Dimension



Interface Specifications



5 and 6: power input, input voltage range: 12-24V, 5 for positive, 6 for negative.
 1 ,2,3 and 4: power output, output voltage is 12-24V, Max output current is 8A, 4 for positive, 3 for red led interface, 2 for green led interface, 1 for blue led interface.

Controller instruction:



: change to static color in color circle when touch it whatever it's in static or dynamic mode.



: turn on/off dimmer at any state; when in an open state, long press the button more than 3 seconds to open or close the output of the buzzer.



: 19 kinds of dynamic mode switching.



: 20 kinds of static mode switching.



: increase/ reduce brightness, speed when static state (max value for white part, min value for gray part, 25 grade brightness, 100 grade speed).

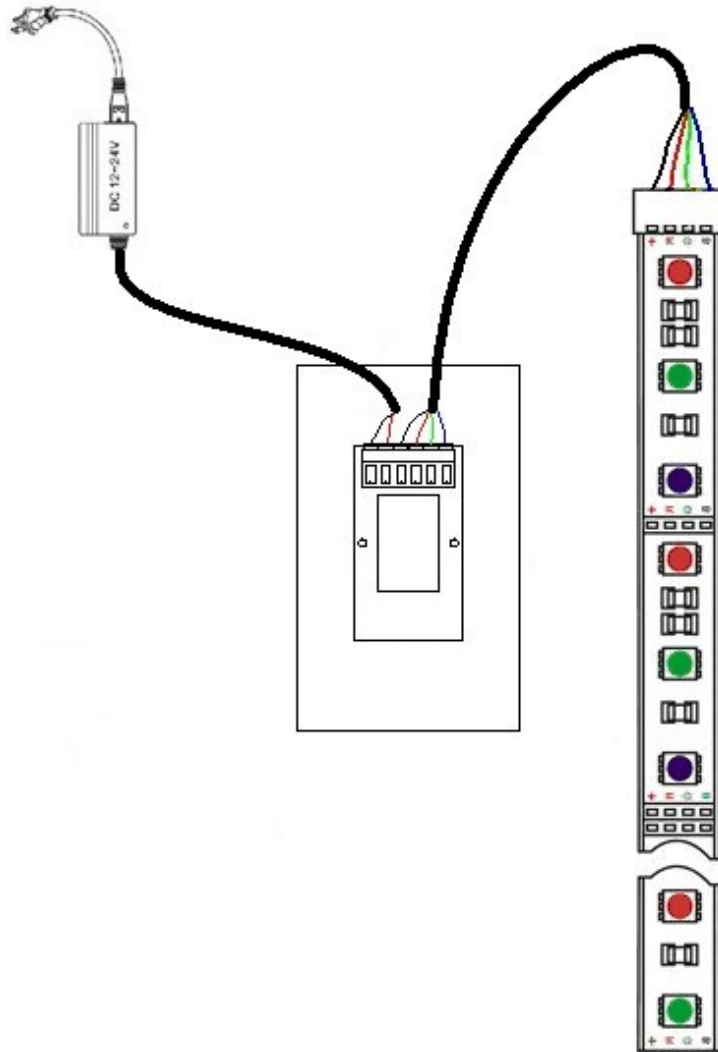
Dynamic mode shown in the below table:

| Mode No. | Function | Mode No. | Function | Mode No. | Function |
|----------|----------------------------|----------|---------------------------|----------|------------------------------|
| 1 | red burst flashing | 8 | Three-color jumping | 15 | purple gradually fades |
| 2 | green burst flashing | 9 | six-color jumping | 16 | white gradually fades |
| 3 | blue burst flashing | 10 | red gradually fades | 17 | three-color gradually fades |
| 4 | yellow burst flashing | 11 | yellow gradually fades | 18 | seven-color gradually fades |
| 5 | white burst flashing | 12 | green gradually fades | 19 | seven-color gradual changing |
| 6 | Three-color burst flashing | 13 | cyan-blue gradually fades | | |
| 7 | Three-color flashing | 14 | blue gradually fades | | |

Static mode shown in the below table:

| No. | Mode | No. | Mode | No. | Mode |
|-----|--------------|-----|-------------|-----|--------------|
| 1 | Red | 8 | Cyan | 15 | Brown |
| 2 | Orange | 9 | Light-blue | 16 | White |
| 3 | Deep-yellow | 10 | Sky-blue | 17 | Ivory |
| 4 | Yellow | 11 | Blue | 18 | Pink-white |
| 5 | Light-yellow | 12 | Deep-blue | 19 | Yellow-white |
| 6 | Green | 13 | Blue-purple | 20 | Blue-white |
| 7 | Light green | 14 | Purple | | |

Typical Application



Installation Method

1. Wiring

Connect wiring according to typical application. Refer to typical application.



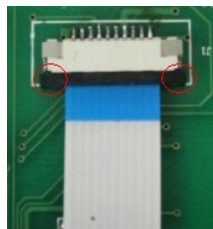
2. Open the panel

Gently pry gaps in touch panel with a screwdriver, and then you can slowly remove the panel, as shown below;

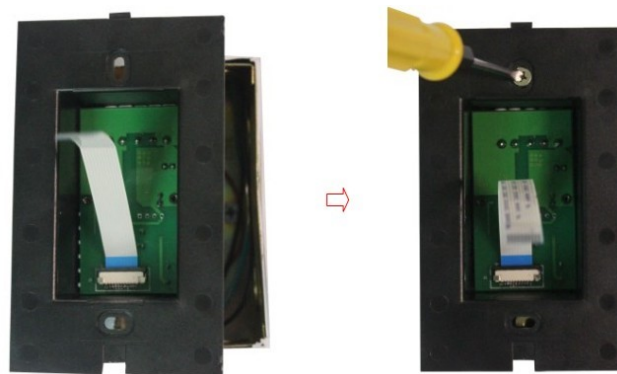


3. Install switch base

Step 1: Remove the ribbon cable. Press the place which marked by red circle and pull out to remove the ribbon cable, push in to press it hard. Like the figure below:

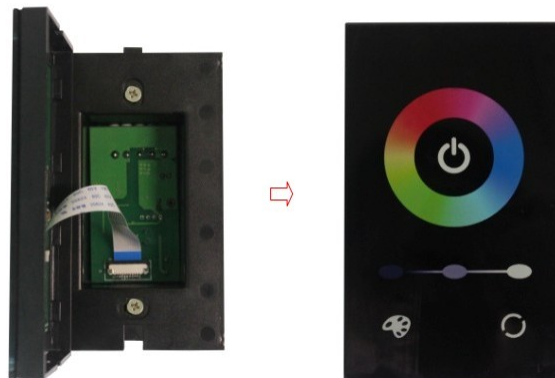


Step 2: Put touch panel controller in the cassette on the wall, screw it an the wall, then install the switch base on the wall. See pictures below:



4. Cover touch panel

Look at the direction of touch panel, install the ribbon cable, and then cover the touch panel.



Remarks:

1. Connect the load wire at first, following by the power wire; **Please ensure short circuit can not occur between connecting wire before you turn on the power;**
2. The supply voltage of controller ranges in DC12V~DC24V, it may burn out the controller once exceed the voltage ranges.