# Product Specifications

**NAME: Europe Standard Low-voltage Touch Panel Full-color Controller**
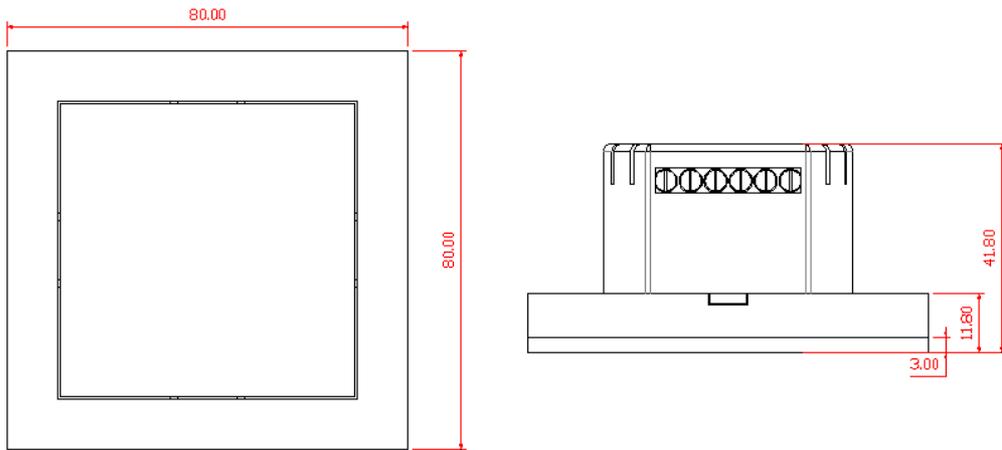**MODEL: U-TM08ER-2**



## I. Summarization

Touch panel controller is a new high-end controller which newly developed by our company. It adopts glass panel design, is beautiful and fashionable in appearance. It adopts high precision capacitance touch control chip, increases the touch sensitivity, reduces trigger which caused by mistake. It is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, panel lights etc., it has many advantages such as convenient to connect, easy to use and others.

## II. Technical Parameters

- working temperature: -20-60 ℃
- supply voltage: DC12~24V
- output voltage: DC12~24V
- output: 3 channels
- connection mode: common anode
- external dimension: L80 X W80 X H41.8 mm
- packing size: L105 X W105 X H53 mm
- net weight: 127.5g
- gross weight: 177.9g
- static power consumption: <1W
- output current: <4A (each channel)
- output power: 12V<144W    24V<288W

## III. External Dimension



80.00

80.00

41.80

11.80

3.00

## IV. Interface Specifications



"1", "2": power input pins, input voltage range is 12-24V, "1" is negative pole, and "2" is positive pole.

"3", "4", "5", "6": power output pins, output voltage is 12-24V, maximum output current is 12A, "3" is positive pole, "4" is interface of red light, '"5" is interface of green light, '"6" is interface of blue light.

## V. Instruction for use:



: in static mode, you can adjust brightness 0-255 quickly, up to 64 touch points, in dynamic mode, you can press it to switch to static mode.

: you could turn on/off controller at any state; When the dimmer is turned on, long press the key for 3 seconds, you can turn on/off output of buzzer;
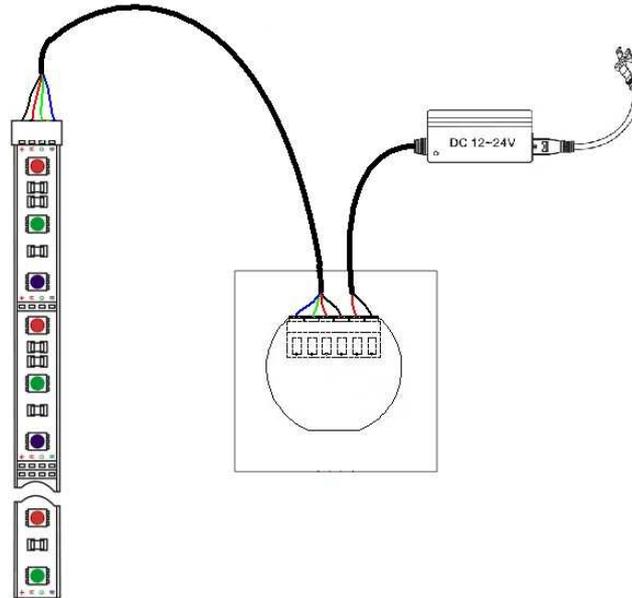
: the four keys are respectively static white, static red, static green, static blue, press one of four keys, the correspongding color will light up, and press the key again, the corresponding color will be off, through combining of the four keys, you can make 7 colors quickly: red, green, blue, yellow, purple, blue, cyan, white.

◀ : brightness reduce key, total 255 levels;

▶ : brightness increase key, total 255 levels;

## Typical Application



## Installation Method

1. open touch panel

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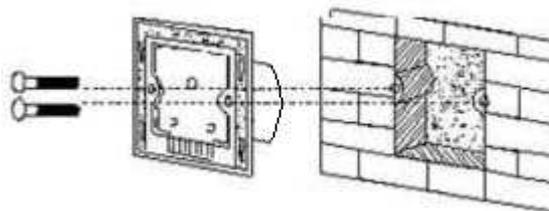


2. wiring

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

3. Install switch base

As shown in the picture, mount the controller on the cassette in the wall after connecting the wire, and then nail the screw, fix it on the wall, finally you can install the switch pedestal on the wall;



## 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 DC12-24V, it may burn out the controller once exceed the voltage.