

## ***Product Specifications***

**NAME: America Standard 0-10V Touch Panel Dimmer**

**MODEL: TM120U**



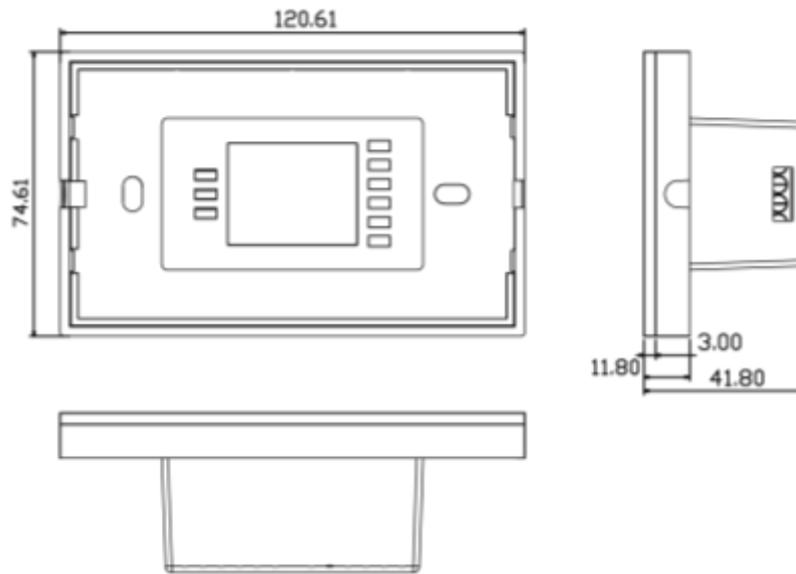
### **Summarization**

USA standard 0~10V touch panel dimmer which adopts advanced computer control chip and USA standard appearance, has added a channel relay power supply output. As a kind of 0~10V power input, it has a more powerful dimmer rate. It inherits the advantages of low-voltage controllers, adopts glass panel design, is beautiful and fashionable in appearance, with high precision capacitance touch control chip, increases the touch sensitivity, reduces trigger which caused by mistake. It can use for controlling different kinds of LED strips whose power are 0~10V and provides more comfortable and convenient, safer, intelligent lighting control than traditional lighting control, optimized people's lighting control experience, thus gives user a new comfortable lighting environment.

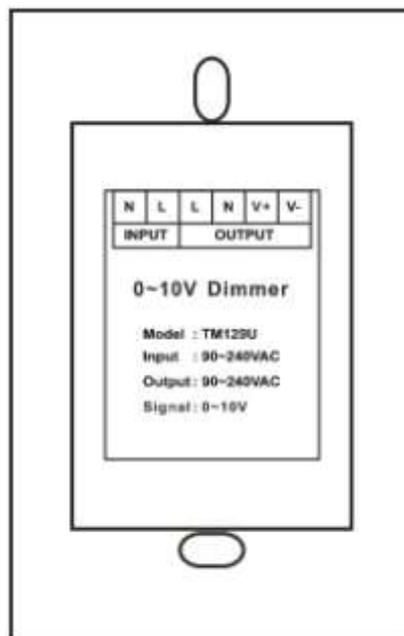
### **Technical Parameters**

- working temperature: -20-60 °C
- supply voltage: AC90~240V/ 50Hz~60Hz
- output: 1 channel
- output signal: 0~10V
- external dimension: L74 X W120 X H42 mm
- packing size: L145 X W99 X H53 mm
- net weight: 184g
- gross weight: 241g
- static power consumption: <3W
- 0~10V signal output current: <15mA
- maximum output power of relay: <200W

## External Dimension



## Interface Specifications



### Input:

L: AC power input live line, voltage range:90~240VAC, 50~60Hz;

N: AC power input null line, voltage range:90~240VAC, 50~60Hz;

### Output

L: relay output live line, voltage range:90~240VAC, 50~60Hz;

N: relay output null line, voltage range:90~240VAC, 50~60Hz;

V+: 0~10V output signal anode

V-: 0~10V output signal cathode

**Instruction:**



: according to the slider's color and brightness to adjust the brightness 1-255 quickly when touched with finger



: the control output can be opened and closed at any status; When the controller is turned on, long press the key for 3 seconds, the output of buzzer will be turned on/off. Any other operations won't reply by the buzzer if it has turned off.



: brightness reduce key, every short press to reduce one level and long press to reduce brightness quickly till a minimum; every press you will hear the beep until to the minimum.



: brightness increase key, every short press to increase one level and long press to increase brightness quickly till the brightest; every press you will hear the beep until to the brightest.

**Installation Method**

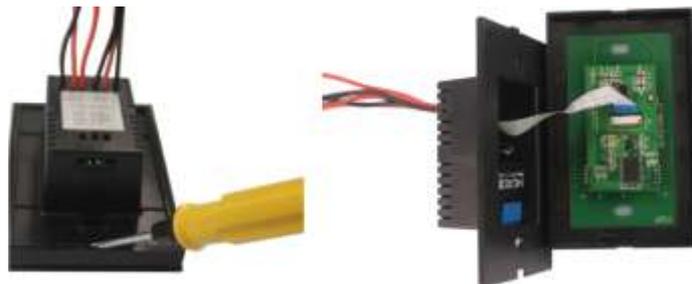
1. wiring

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



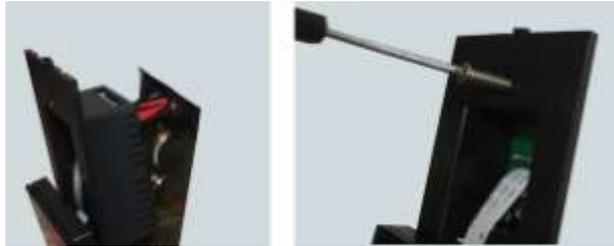
2. open touch panel

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



3. Install switch base

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;



4. Cover the touch panel

Cover the touch panel and watch out the direction of the panel.



Typical Application

