

# User Manual Isolated 0/1-10V LED Dimmer, IR, 800W

## 1. General information

ETH-8008U+ is a security isolated 0/1-10V intelligent dimmer for LED lighting brightness adjusting, and with manually knob adjusting and IR wireless remote adjusting optional. It suitable to control the LED dimming driver and electronic rectifier which based on 0/1-10V dimming signal, to adjust the brightness of the LED lamp or fluorescent lamp, etc. It has grey scale level 256, with scheduled shut down (1-4 hours), brightness hot key and fixed gray output functions.

## 2. Specifications

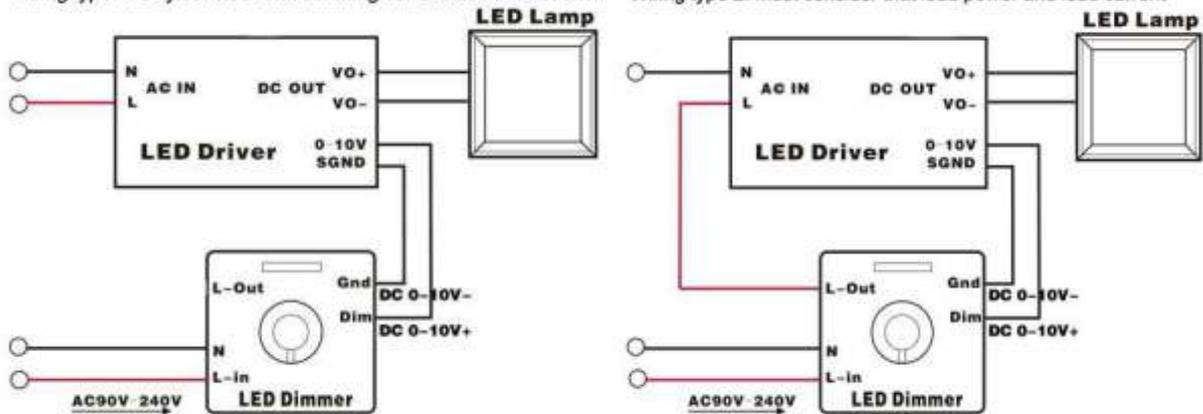
- 1) Supply voltage: AC90-240V 50/60Hz
- 2) Output: 1 channel
- 3) **Circuit design with security isolated, for protect load be safety.**
- 4) **Max load power: 800W**
- 5) **Max current: 10A**
- 6) **Effective Dimming current:  $\leq 200\text{mA}$**
- 7) Dimming range: 1-10V, There are relay function, can be shut off , no frequency glisten
- 8) Control mode: Manually and IR remote
- 9) Scheduled shut down: 1-4 hours
- 10) Remote distance: 10M (In case no dry scratching)
- 11) Compatible above 90% led driver which based on standard 0/1-10V dimming signal

## 3. Installation and use instructions

- 1) The input voltage of this controller should to be AC90 -240V.
- 2) Never connect two wires directly in case of short circuit.
- 3) Knob operation: Rotary knob clockwise to increase brightness, knob counterclockwise rotation will decrease the brightness.
- 4) Remote control operation: First use, please take out the lucid spacer which under remote down side, the remote control facing the infrared receiver, ensure that there are no obstructions between remote controller and receiver, when dimmer receives an effective signal from the infrared remote control, the light on the upside flickers. **Long press "+" and "-" can be fast dimming**
- 5) Power Application: Please confirm the dimming driver whether powered by dimmer or no, power output Unequal according to different wiring type.

Wiring type 1: only consider that dimming current less than 200mA

Wiring type 2: Must consider that load power and load current



## Remote control guide for high voltage dimmer

- |                           |  |  |
|---------------------------|--|--|
| OFF Button                |  | ON Button  |
| 256 levels up button      |  | 25% 50% 75% 100%<br>Hotkey button for brightness |
| 256 levels down button    |  | Scheduled shut down<br>(1-4 hours optional)      |
| Cancel scheduled shutdown |  |  |

## 4. Notice:

Please touch the motherboard while dimmer is connecting to AC power, and setup must according technical guide

**5. Warranty: Warranty of this product is two years, but exclude the artificial situation of damaged or overload working.**