

AC Triac Rotary Panel Dimmer User Guide

This is an innovative AC phase-cut dimmer with both RF control and rotary manual control. The AC dimmer is designed with 100-240VAC wide input and output, 1 channel output, both triac dimmable and mosfet dimmable. The RF triac dimmer can be compatible with a variety of single color RF series remote controls.

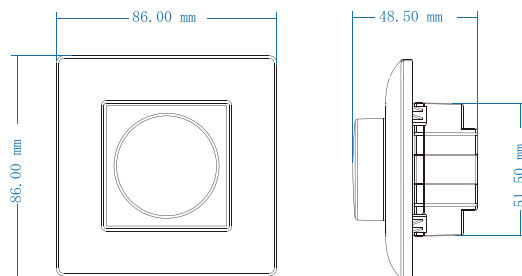
Feature

- Rotary panel AC phase-cut dimmer, 1 channel output.
- To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights.
- Rotate knob to change brightness, support push and long push operation.
- Smooth dimming and switch without any flickering.
- Leading edge dimming or trailing edge dimming set by dip switch.
- Great compatibility with a variety of dimming RF remote.
- Adopt 2.4GHz wireless technology, remote distance up to 30m.

Technical parameter

- Input voltage: AC100-240V
- Output voltage: AC100-240V
- Output current: Max 1A
- Remote distance: 30m
- Work temperature: -30°C~+55°C
- Product size: L86×W86×H48.5mm
- Waterproofing Grade: IP20

Dimension



Pairing guide (For Remote Controller)

There are two kinds of method to pair the AC triac rotary panel dimmer with the RF remote (optional).

• By using Knob

1. Pairing: Turn on light, turn off, immediately push the knob for 5s, within 5s, press on/off key or zone key of the RF remote.
2. Unpairing: Turn on light, turn off, immediately push the knob for 10s, delete all matched RF remote.
3. Multiple zone RF remote only use zone key to match each zone receiver.

• By using Power- on / off

1. Pairing: Switch off the power, then switch on power again, short press on/off key or zone key 3 times on the RF remote quickly within 5s after power on, the link is done once the light blinks 3 times.
2. Unpairing: Switch off the power, then switch on power again, short press on/off key or zone key 5 times on the RF remote quickly within 5s after power on, the unlink is done once the light blinks 5 times.
3. Multiple zone remote only use zone key to match each zone receiver.

Knob function

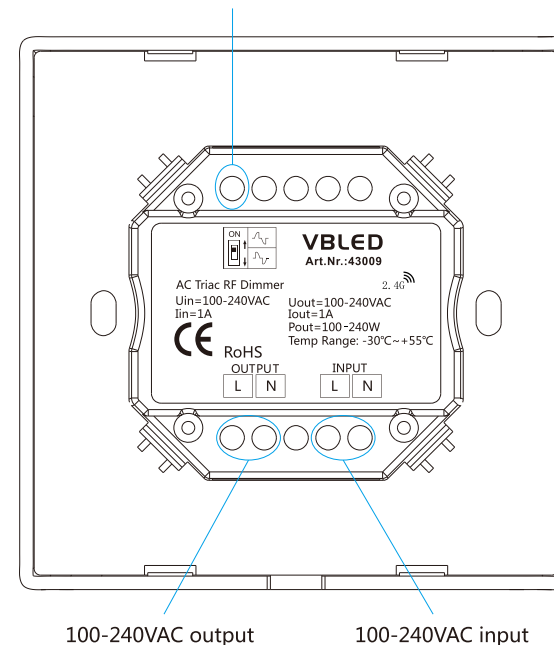
- **Push:** Turn on or off light.

After turn on light:

- **Rotate:** Rotate knob to adjust brightness, 2.5 turns, 50 levels.
- **Long push(1-5s):** Continuous 256 levels brightness adjustment.

Interface specification

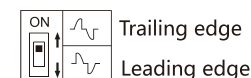
Leading edge or trailing edge phase-cut select



100-240VAC output

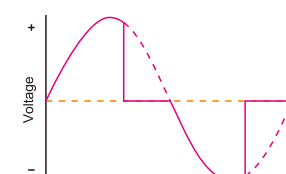
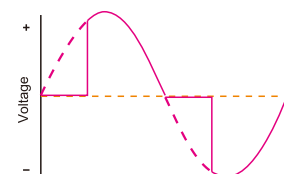
100-240VAC input

Select leading edge(forward-phase) dimmer or trailing edge(reverse-phase) dimmer according to dimmable LED light or driver.



Leading edge dimmer(TRIAC)

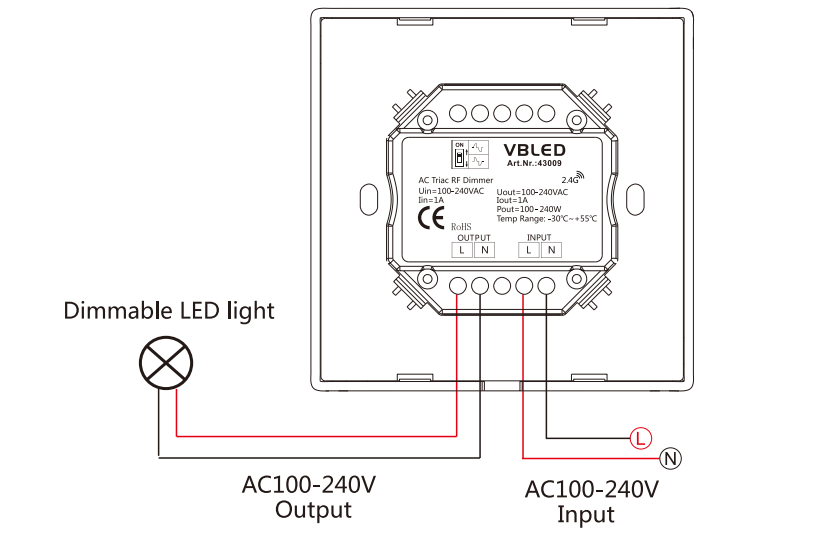
Trailing edge control dimmer



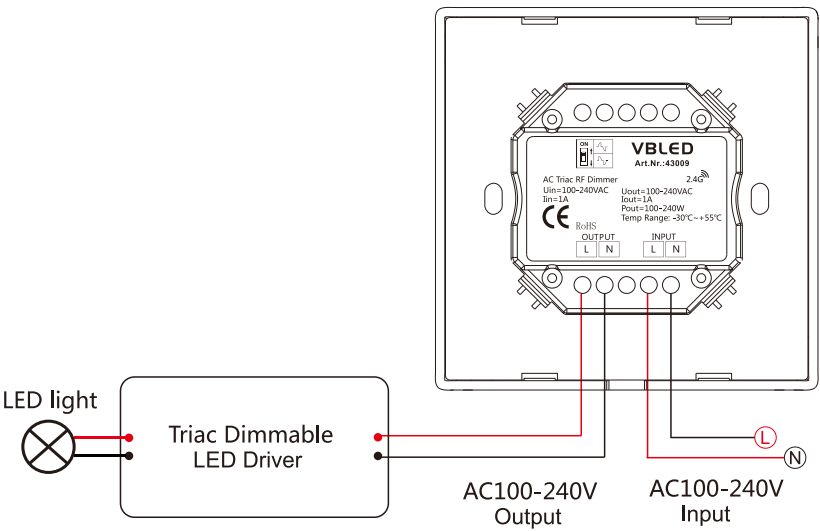
Caution: before power on, you must confirm the selection of dip switch.

Wiring diagram

- Connect with dimmable LED light

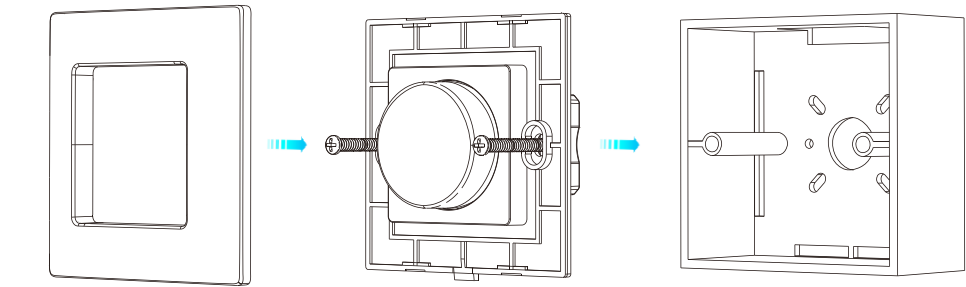


- Connect with dimmable LED driver



***Caution: Do not overload. Max power 240W.**

Installation diagram



Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

Safety information

1. The product shall be installed and serviced by a qualified person.
2. The product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller, Please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

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