

AC Triac Dimmer (Zigbee 3.0 + 2.4G + Push)

Model No.: TRI-C1ZR

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1. Feature

Don't need signal cable and change original wire layout, it's very simple to install it with low cost. Mini appearance can fit for EU/USA standard junction box. Wide application for single color triac LED lights, filament lamps, Halogen lamps.

- Zigbee 3.0 standard protocol
- Smartphone APP control (need to buy Zigbee 3.0 gateway)
- 2.4G RF wireless remote control
- Push dimming function
- Trailing edge phase-cut technology
- 0~100% stepless dimming and flicker free
- Lowest brightness setting function
- Built-in temperature detecting switch, over heat /loading protection
- Auto transmitting function, unlimited control distance
- Screw connector is reliable and easy to do installation
- Anti-fire PC shell is more safety

Various control solution:



Philips
Hue



MiBoxer
Zigbee Gateway



IKEA
TRÅDFRI



2.4GHz
Remote



Amazon
Echo Plus



2. Parameter

Model No.: TRI-C1ZR

Input Voltage: 100-240V~ 50/60Hz

Output Voltage: 100-240V~

Output Current: Max 1.36A

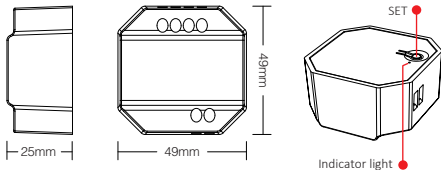
Output Power: 150W @110V; 300W @220V

Dim Method: Zigbee 3.0 + 2.4G + Push

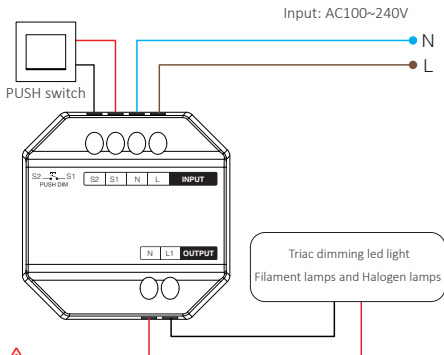
Working Temperature: -10~40°C

Zigbee Control Distance: 100m (open area)

2.4G RF Control Distance: 30m



3. Connection Diagram



⚠ Attention

Please check and ensure that all cable had done correct connection before turn on it, otherwise the dimmer is easy to be damaged.

“Breaker mode” is activated or shut down

Attention: It only support to turn on/off light, user can not dim device once this mode is activated

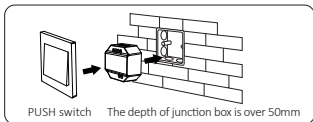
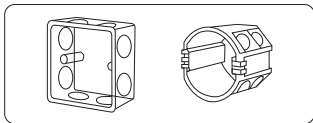
Turn On: short press “SET” 5 times quickly, mode had activated once indicator blink 3 times quickly

Turn Off: short press “SET” 5 times quickly, mode had shut down once indicator flash 3 times slowly

APP ON/OFF, [review page 13](#)

4. Installation Diagram

Support following standing junction box



5. PUSH Dimming

Short press PUSH switch:

Turn ON/OFF light

Long press PUSH switch:

- Stepless dimming brightness.
- Long press and release your finger, then repeat long pressing to increase or decrease brightness
- Please long press switch 20 seconds until all lights have same brightness with 100% level if multi dimmers had connect with same self-return switch. The quantity of dimmers which connect with same self-return switch can not be over 25 pieces, the connection cable of self-return switch can not be over 20m.

6. Remote control instruction

6.1. Link remote

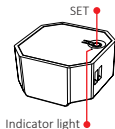
For K1 remote

1). Learning code

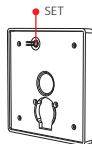
Way 1: short press "SET" one time, indicator is bursting

Way 2: power off dimmer 10 seconds and power on again

Way 3: short press Push switch to keep light ON



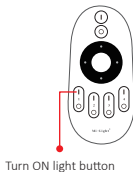
2). Press "SET" 3 times within 3 seconds, linking code is done once the light flashes 3 times slowly



For other remote

1). Learning code

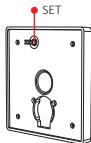
2). Press "I" any "ON" button in group zones 3 times within 3 seconds, linking code is done once the light flashes 3 times slowly



6.2. Unlink with remote

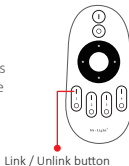
For K1 remote

- 1). Learning code
- 2). Press "SET" 5 times within 3 seconds, unlinking is done once the light flashes 10 times quickly



For other remote

- 1). Learning code
- 2). Press " | " any "ON" button in group zones 5 times within 3 seconds, unlinking is done once the light flashes 10 times quickly



6.3. Compatible remote (purchase separately)



FUT006



FUT007



B1 / B1-B / T1



B2 / T2



K1 / K1-B



FUT087 / FUT087-B



S1-B / S1-W / S1-G

6.4. Set up min brightness with remote

 This function should be paired with remote firstly before setting.

For K1 remote

- 1). Long press "SET" 3 seconds until the light flashes one time, indicator is going into flashing status
- 2). Short press "SET" to get 10 kinds of brightness: 3%, 5%, 7%, 9%, 12%, 17%, 22%, 28%, 34%, 40%
- 3). Short press rotating button to confirm setting or waiting for 10 seconds to be confirmed automatically, the light will recover brightness to previous level.

For other remote

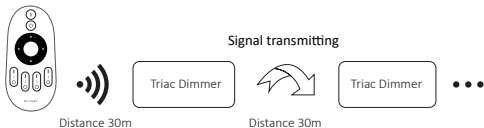
- 1). Long press the "OFF" button on the remote or "○" button on the zone, until the light flashes one time, indicator is going into flashing status
- 2). Short press the "OFF" button on the remote or "○" button on the zone to set up 10 different brightness (3%, 5%, 7%, 9%, 12%, 17%, 22%, 28%, 34%, 40%)

Short press any button except "OFF" to confirm setting or waiting for 10 seconds to be confirmed automatically, the light will recover brightness to previous level

Attention: Master OFF button can set up lowest brightness for all connected dimmer

6.5. Auto transmitting

One light can transmit the signals from the remote control to another light within 30m, as long as there is a light within 30m, the remote control distance can be limitless.



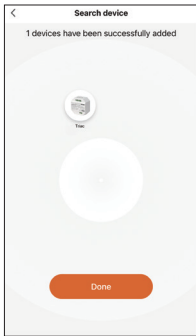
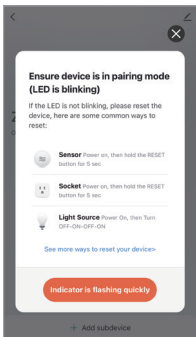
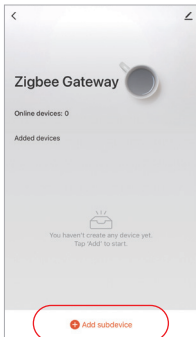
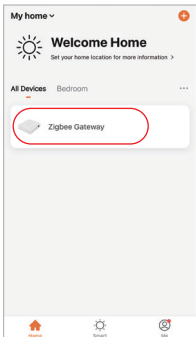
Attention: All dimmer must link with same remote

7. Smartphone APP control instruction

Added Zigbee 3.0 gateway into “TUYA Smart” App (please review instruction of Zigbee 3.0 gateway)

7.1. Pairing Network

- 1). Connect with power supply
- 2). Pairing network (**attention: factory default is pairing network**)
 - Way 1: Long press “SET” about 3 seconds until indicator flashes quickly
 - Way 2: Long press push switch 10 seconds while light is OFF status (attention: need to wire with Push switch)
- 3). Open “ TUYA Smart ” APP to click Zigbee gateway, then click “ Add sub device ”
- 4). Click “ Indicator is flashing quickly ”
- 5). Support APP dimming or group control and etc once added successfully

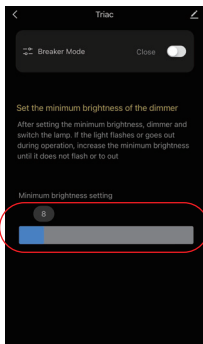
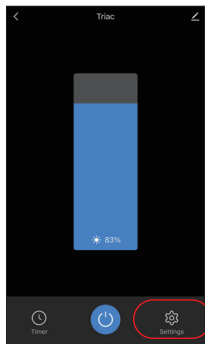


7.2. App set up lowest brightness

The light is off once dim brightness into 1%, please increase lowest brightness

Setting way:

- 1). Click "Settings" in APP
- 2). Move slip to finish setting

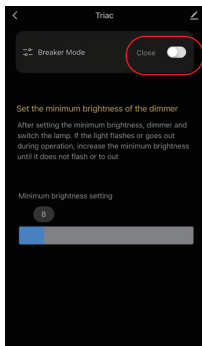
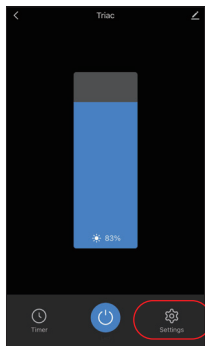


7.3. Breaker Mode (ON/OFF)

Attention: It only support to turn on/off light, user can not dim device once this mode is activated

Setting way:

- 1). Click " Settings " in APP
- 2). Click button on the right side of " Breaker Mode "

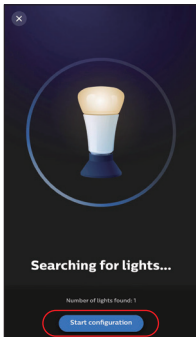
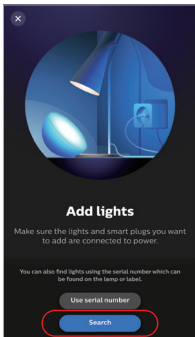
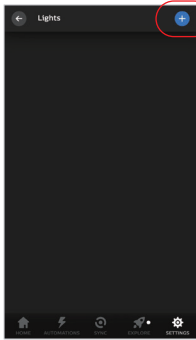
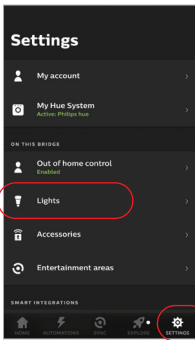


8. Philips Hue control instruction

Added “Philips Hue” into APP

8.1. Pairing Network

- 1). Connect with power supply
- 2). Pairing network (**attention: factory default is pairing network**)
Way 1: Long press “SET” about 3 seconds until indicator flashes quickly
Way 2: Long press push switch 10 seconds while light is OFF status
(attention: need to wire with Push switch)
- 3). Open “Philips Hue” App to click “SETTINGS” and click “Lights”
- 4). Click “+” on the top of right corner
- 5). Click “Search”
- 6). Click “Start configuration”, Follow the app instruction to complete configuration



9. Alexa voice control instruction

9.1. Alexa control (Audio support Zigbee 3.0 protocol)

You can connect directly if your Amazon ECHO already is built-in zigbee 3.0 protocol, following model with zigbee 3.0 protocol:

Amazon ECHO Plus (2nd Gen), ECHO (4th Gen), ECHO Studio, ECHO Show (2. Gen)

Pairing Network

- 1). Connect with power supply
- 2). Pairing network (**attention: factory default is pairing network**)

Way 1: Long press "SET" about 3 seconds until indicator flashes quickly

Way 2: Long press push switch 10 seconds while light is OFF status (**attention: need to wire with Push switch**)

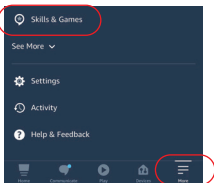
Say to Amazon ECHO
"Alexa, Discover devices"
Wait for a while to discover device,
Voice control is activated



9.2. Alexa control (Audio don' t support Zigbee 3.0 protocol)

Please add device into Miboxer Zigbee 3.0 gateway if your Alexa don't support zigbee 3.0 protocol (check details in page 10), then start following steps

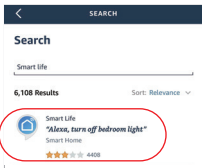
- 1). Open Alexa App
- 2). Click "More" on the bottom of right corner
- 3). Click "Skills & Games"



- 4). Click "Q" on the top of right corner
- 5). Type into "Smart life" and search



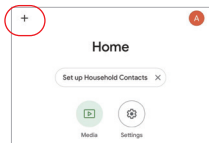
- 6). Click "Smart life" skill, follow instruction to finish configuration and start voice control



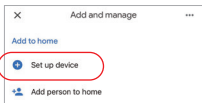
10. Google Home voice control instruction

Please add device into MiBoxer Zigbee 3.0 gateway (check details in page 10) and start following steps

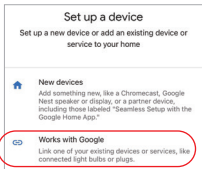
- 1). Open Google Home App
- 2). Click “+” on the top of left corner



- 3). Click “Set up device”



- 4). Click “Works with Google”



- 5). Click “Q” on the top of right corner
- 6). Type into “Smart life” and search
- 7). Click “Smart life” skill, follow instruction to finish configuration and start voice control



11. Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don't disassemble device if you are not expert, otherwise it will damage it.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.

Made in China



Dimmer can not use in humid area