

## Dimmer control module

RWA-TSM1

User manual

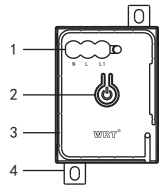


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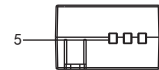
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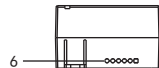
## 2 Description



1. Protective cover
2. Button
3. Antenna
4. Screw hole



5. Power supply/Load Line



6. Update port

## 3 Operation:

You can control the lights through various ways:

- a. Control through the "☺" button of on-off control module.

Press the "☺" button to open the corresponding red indicator lights; press the "☺" button again to light off the red indicator light.

- b. Control through our smart home remote control/control panel/sensor/APP.

User must set the device before using.

Single switch debugging: Press the "☺" for 5s, until the corresponding red indicator light flashes slowly, then release the button ,and press any control button in 30s. If it's successful, the red indicator light will stop flashing and exit the setting status. Then user can control the corresponding red indicator light.

Each dimmer control module can match 8 different control buttons and sensors.

## 1 System Introduction:

Looking into the world develop trend, simple, green, environmental, energy-saving lifestyle will be the eternal pursuit of mankind. Light powered, wireless technology is a important way to build energy-saving buildings and implement green construction projects. It reduces the energy cost radically. This kind of technology enables us to take advantage of light and wind etc energy in daily life to serve for automatic control of the smart buildings and, ultimately, realize the purpose of smart, environmental, energy-saving, comfortable lifestyle.

The dimmer control module is part of RF wireless control device-based on home automation system, mainly responsible for controlling other device by receiving signals from other RF wireless control panels. The use of high quality, high integration, high reliability microprocessor, combined with advanced electronic technology and sophisticated the process created the products, so the device has the feature of high stability, high reliability, high energy efficiency, and high integration.

Feature:

Touch to control the lights and brightness.

Several ways to control: Remote control/On-off control panel/Sensor/Network.

Suitable dimensions, easy to install it in the electrical box or beside the lamp base.

Press" ☺ "button can exit the setting status.

2 button switch debugging:

Press the "☺" for 10s, until the corresponding red indicator light flashes quickly, then release the button ,and press any 2 control buttons in 30s. If it's successful, the red indicator light will stop flashing and exit the setting status. Then user can control the corresponding red indicator light.

Each dimmer control module can match 8 different control buttons(4 groups).

Press" ☺ "button can exit the setting status.

Delay off debugging:

Press" ☺ "for about 5s, until the corresponding red indicator light flashes slowly, then release the button ,and press any control button for about 5s in 30s, press the "☺" button after the red indicator light stop flashing; User can set the delay time, if user doesn't press button in 2s, the red indicator light will prompt through the flashing times.

Following are the details:

Keystroke	Delay time(Mins)	Keystroke	Delay time(Mins)
0	1	6	75
1	5	7	90
2	15	8	105
3	30	9	120
4	45	10	240
5	60		

After setting the delay time, press the control button within 30s, if it's successful, the red indicator light will flash 2 times and exit the setting status; The control button can control the delay off.

Press " " for about 5s, it will exit the setting status.

Networking parameter setting:

Make sure the system connection normally.

Press the " " button for about 5s when standby status, until the red indicator light flashes slowly, then release the button, report the information to ECB-CTS software, after that, user can set the physical address, device name/group/scene mode and reset information, etc.

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## 5 Trouble shooting

1 Can not control the device by remote control and control panel

- Settings are correct or not?
- Initialization or not?
- Distance is too far or not?
- Batteries of remote control and control panel are out of power or not?

2 Can not delay off

- Settings are correct or not?
- Setting delay off time is too long or not?

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APP setting:

Press control button for about 5s within the 30s setting status, it's successful after "DI" sound from the mobile phone.

Get connected between the APP and dimmer control module, after that, user can control the related devices.

Factory restore:

Two way to factory restore:

- Press the " " button for about 15s, release the button after the indicator light flashing quickly, and all the parameters will be set to original status.
- Press the "set" button for about 15s, press the " " button for more 5s after the indicator light flashing quickly, and all the parameters will be set to original status.

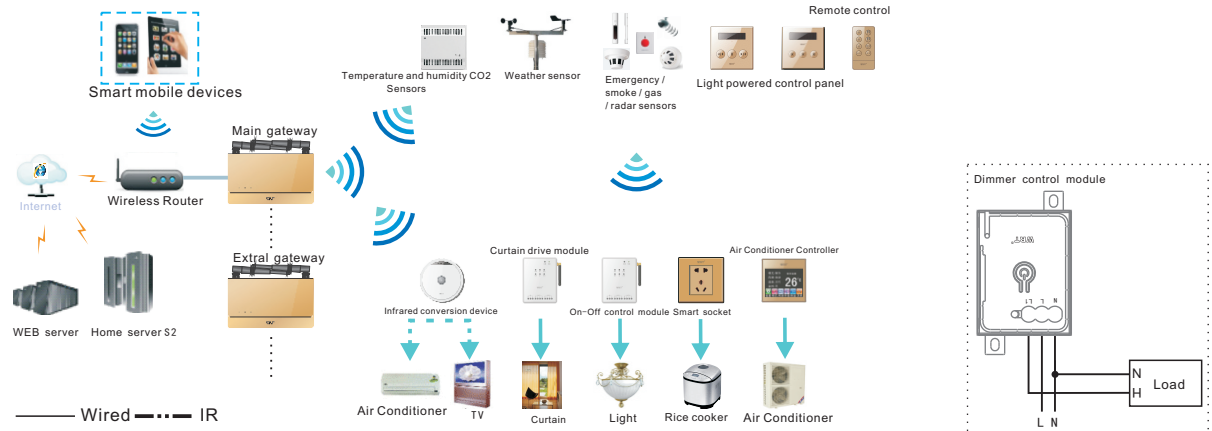
Others:

It will exit the setting status automatically without any operations in 30s setting status.

Break open the cover with a screwdriver to insert the wires, and fix it, then recover the protective cover.

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## 6 System diagram:



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## 4 Specification:

Power supply: 200V-240V ~ 50Hz

Load Type: AC load

Rated Power: 100W

Working temperature: -10 °C ~ 50 °C

RF Modulation: FSK

RF Frequency: 433.92MHz

RF receiver sensitivity: -110dBm

Wireless remote control distance: ≥30 meters (indoor visual distance, 1.2m above floor)

Remote control control distance: ≥15 meters (indoor visual distance, 1.2m above floor)

Dimension: 58 \* 43 \* 28mm

Installation: can be installed in 86\*86mm wall box, ceiling lamps, chandeliers, cabinets and so on.

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