

WIRELESS SMART DIMMER RELAY FOR REMOTE CONTROL LIGHT BULB

DESCRIPTION:

The Wireless Smart Dimmer Relay is an advanced lighting control solution designed for residential and commercial applications. It enables smooth, flicker-free dimming from 0–100% with trailing-edge phase-cut technology. This device supports multiple control methods, including smartphone app integration via a 2.4GHz gateway, 2.4G RF remote control, and push-dimming functionality. Featuring an auto-transmitting function, it extends control distance indefinitely, ensuring seamless operation. Built with a flame-retardant PC housing and a built-in temperature detection switch, it offers enhanced safety with overload protection.



FEATURES:

- Works with a smartphone app via a 2.4GHz gateway (sold separately)
- Supports 2.4G RF wireless remote control for easy operation
- Push-dimming function for convenient manual control
- Advanced trailing-edge phase-cut dimming technology
- Seamless 0–100% dimming with no flickering
- Adjustable minimum brightness for customized lighting
- Integrated temperature detection switch with overload protection
- Auto-transmission function extends remote control coverage
- Easy and secure installation with screw terminal connectors
- Durable flame-retardant PC housing for enhanced safety
- Low power consumption with self-organizing network and anti-interference technology
- Compatible with Tuya Smart app, Alexa, Google Assistant, Yandex Alice, Tmall Genie, Baidu Xiaodu, and Xiaomi Xiaoai (requires 2.4GHz gateway)



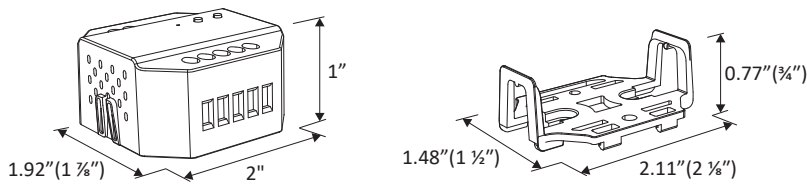
APPLICATIONS:

- Residential lighting control
- Smart home automation
- Hotel lighting systems
- Commercial space lighting solutions
- Office and workspace lighting management

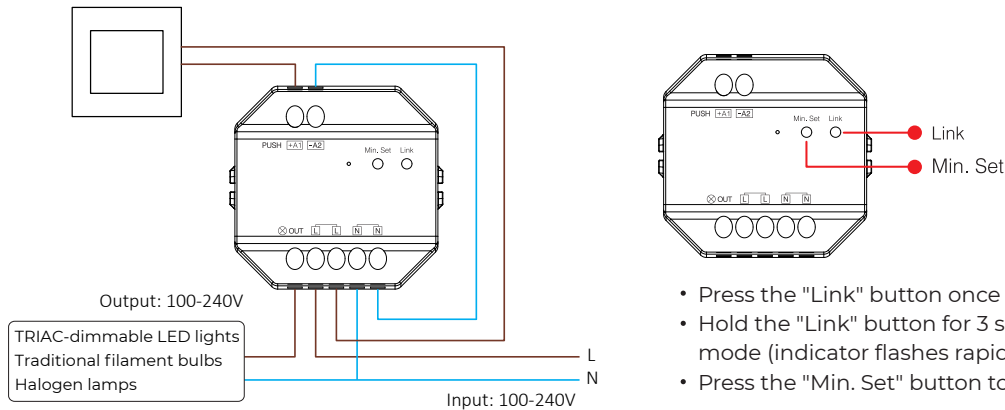
TECHNICAL SPECIFICATIONS:

Input Voltage	100-240V AC, 50/60Hz
Output Voltage	100-240V
Maximum Output Current	1.36A
Output Power	150W @110V, 300W @220V
Control Signal	2.4GHz RF
Control Distance	98 ft
IP Rating	IP20 (Indoor use only)
Operating Temperature	14°F to 104°F
EMC Compliance	ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-3 V2.3.2
Safety Compliance	EN 61347-2-11: 2001+A1:2019, EN 61347-1:2015+A1:2021, EN 62493:2015+A1:2022
Radio Equipment Standard	ETSI EN 300 440 V2.2.1
Certifications	CE, EMC, LVD, RED

DIMENSIONS:



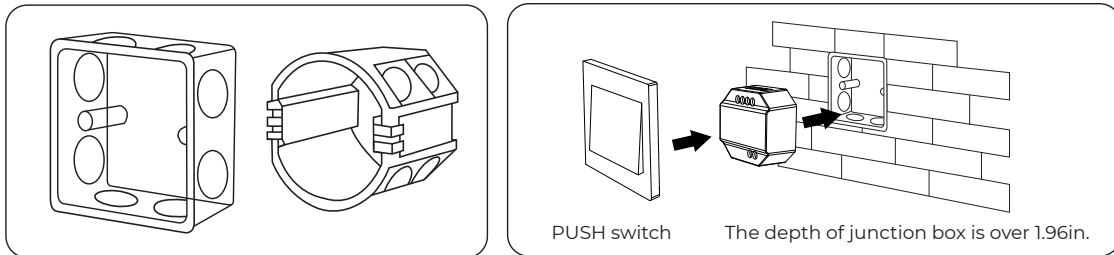
CONNECTION DIAGRAM:



- Press the "Link" button once for remote pairing.
- Hold the "Link" button for 3 seconds to enter Zigbee pairing mode (indicator flashes rapidly).
- Press the "Min. Set" button to adjust minimum brightness.

INSTALLATION DIAGRAM:

Compatible with standard junction boxes.



PUSH SWITCH DIMMING:

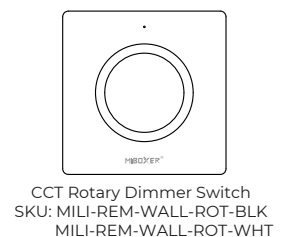
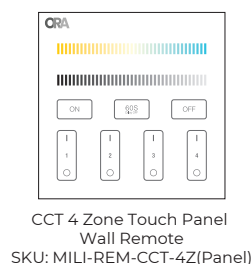
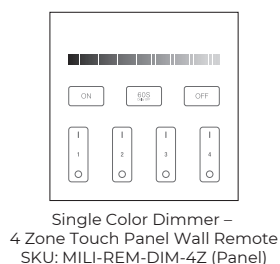
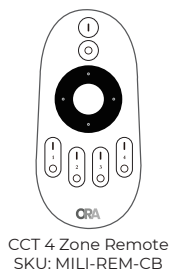
Short Press PUSH Switch

- Switches the light ON or OFF.

Long Press PUSH Switch

- Enables stepless brightness adjustment.
- Requires a junction box with a depth of at least 2 inches.
- Long press and release, then repeat to increase or decrease brightness.
- If multiple dimmers are connected to the same self-return switch, hold the switch for 20 seconds until all lights reach 100% brightness.
- Supports up to 25 dimmers per self-return switch. The connection cable should not exceed 65 ft.

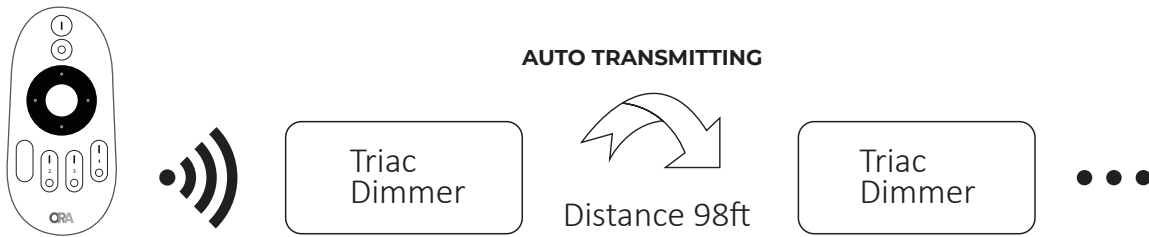
COMPATIBLE WITH 2.4G RF REMOTE CONTROLS (SOLD SEPARATELY):



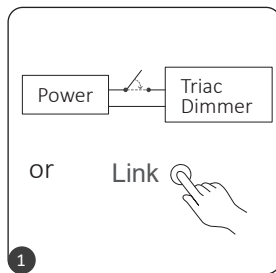
AUTO TRANSMITTING (2.4G RF REMOTE SIGNAL):

The controller automatically forwards the remote signal to another controller within a 98 ft range, providing an extended, unlimited control distance.

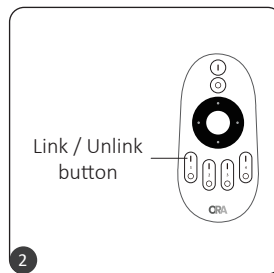
Note: All controllers must be paired with the same remote.



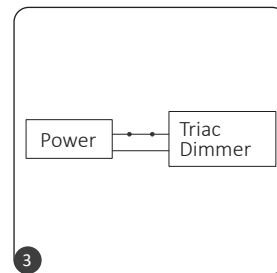
LINKING CODE INSTRUCTIONS:



1 Turn off the power for 10 seconds and then turn it back on, or press the "Link" button once.



2 Press the "I" button three times within 3 seconds.

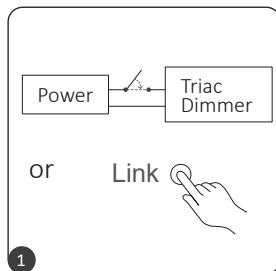


3 The lights blinking slowly three times indicate a successful link.

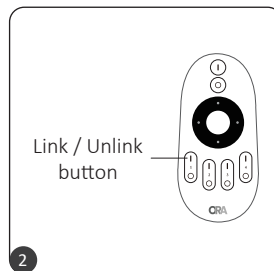
 If the light does not blink slowly, the linking has failed. Please repeat the steps.

Note: A previously linked light cannot be linked again.

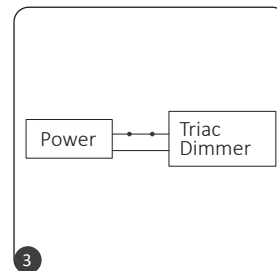
UNLINKING CODE INSTRUCTIONS:



1 Turn off the power for 10 seconds, then turn it back on, or press the "Link" button once.



2 Press the "I" button five times within 3 seconds.



3 The lights blinking quickly 10 times indicate a successful unlinking.

 If the light does not blink quickly, unlinking has failed. Please repeat the steps.

Note: Lights that were not previously linked do not require unlinking.

ATTENTION:

1. Turn off the power supply before installation.
2. Ensure the input voltage matches the device requirements.
3. Do not disassemble the device unless you are a qualified expert, as it may cause damage.
4. Avoid using the light in areas with large metal surfaces or strong electromagnetic interference, as it may significantly reduce the remote control range.