Important: Read all instructions prior to installation.

TRIAC Dimmer Switch

Specifications

Specifications		
Rated Voltage		120 VAC
Rated Frequency		60 Hz
Load Range	Incandescent	15–600 W
	LED/CFL	3–200 W
Dimming Method		Phase-cut
Operating Temperature		0 to 40°C (32 to 104°F)
Humidity Range		10–90% R.H.

Troubleshooting

Problem	Possible Cause	Solution
lights flickering	lamp has a bad connection	recheck connections and check for correct wiring
LED and CFL bulbs flicker at low end of the dimming range	incompatible trim setting and light	set the dimming trim adjustment to a higher level
lights do not turn on	circuit breaker has tripped or fuse burned out	reset breaker or replace fuse
	lamp burned out	replace the lamp
	connection is not wired correctly	check wiring
light does not respond to controls properly	bad electrical connection	check electrical connections, then if needed remove supply power for a short time to reset switch
	out of sync connection / controls	

Safety and Notes

WARNING AND CAUTION
- Risk of fire and electrical shock, the dimmer should be installed in accordance with appropriate electrical codes and regulations.
- This product should be used together with an upstream air-gap switch.
- Turn power off at circuit breaker or fuse and test that power is off before installing.
- Once the dimmer is successfully installed, it is recommended to adjust the minimum desired brightness level and set the maximum brightness to the desired range, then test the ON/OFF switch to ensure the light is working after adjustments are completed.
- If you are unsure about any part of these instructions, consult a licensed electrician.
- To reduce risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance or transformer-supplied appliance.
- Use with compatible dimmable LED, CFL, incandescent, or halogen bulbs only.
- When multiple bulbs are used with one dimmer, DO NOT mix bulb types. All bulbs must be either LED, CFL, or incandescent. Using the same model of each bulb will enhance dimmer performance.
- On Wi-Fi compatible model, input on the dimmer switch will override app controls.

INSTALLATION TOOLS
- Voltage tester, pliers, wire cutters, Phillips screwdrivers, electrical tape, measuring tools, and more may be required for proper installation. Make sure all necessary tools are available before beginning installation.

FCC Compliance (Wi-Fi compatible model only)

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 7.9 in. (20 cm) between it and any part of your body. Any changes or modifications to this unit not expressly approved by the manufacture could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Mobile App (Wi-Fi compatible model only)

On Wi-Fi dimmer switch (DMR-TE01-3WH-WIFI), The Smart Life or Tuya Smart apps can be used to control dimming function remotely and as part of a smart home system. Download the app and follow in-app instructions to link your device and dimmer switch. When prompted, press the power button on the switch five times quickly to initiate pairing. The status indicator will flash to indicate the switch is in pairing mode.

Android

Apple

Important: Read all instructions prior to installation.

TRIAC Dimmer Switch

Switch Layout

1. Status Indicator
- RED: Dimmer switch is off (all models) and APP is not connected (Wi-Fi model only).
- WHITE: Dimmer switch is off (all models) or APP is not connected (Wi-Fi model only). On Wi-Fi model, white light will remain on at all times once paired with app.
- Indicator flashes white to indicate it is in pairing mode.

2. Maximum Brightness
- This sets the maximum brightness. Press the button to cycle through the six maximum brightness settings.

3. Minimum Brightness
- This sets the minimum brightness. Press the button to cycle through the six minimum brightness settings.

4. Power
- Press to turn power on and off.
- For Wi-Fi models: with switch on, press the power button five times quickly to enter pairing mode. The indicator will flash to indicate the switch is now in pairing mode.
- To set a custom maximum brightness, first set the switch to the desired value. Next press the power button eight times quickly. On Wi-Fi models this can also be done in the app.
- To set a custom minimum brightness, first set the switch to the desired value. Next press the power button six times quickly. On Wi-Fi models this can also be done in the app.
- To clear the custom set minimum and maximum brightness, press the power button nine times quickly with the switch on.
- To restore all factory settings, press the power button ten times quickly with the switch on.

5. Dimming (up)
- Press the dimming (up) button to increase brightness step by step when switch is on.
- Hold the dimming (up) button to increase brightness sequentially to maximum when switch is on.
- Quickly press the dimming (up) button twice to go to maximum brightness instantly whether the switch is on or off.

6. Dimming (down)
- Press the dimming (down) button to decrease brightness step by step when switch is on.
- Hold the dimming (down) button to decrease brightness sequentially to minimum when switch is on.
- Quickly press the dimming (down) button twice to go to minimum brightness instantly whether the switch is on or off.

7. Power Cutoff
- Push to cut off or restore power to the switch. This can be used to reset the switch if needed.
  Warning: This does not switch off the breaker or remove power before the switch.

8. Dimming Indicator
- The number of LEDs lit on the indicator show the relative dimming level.
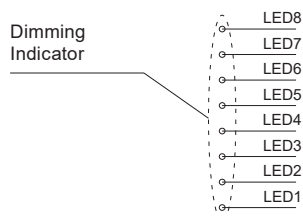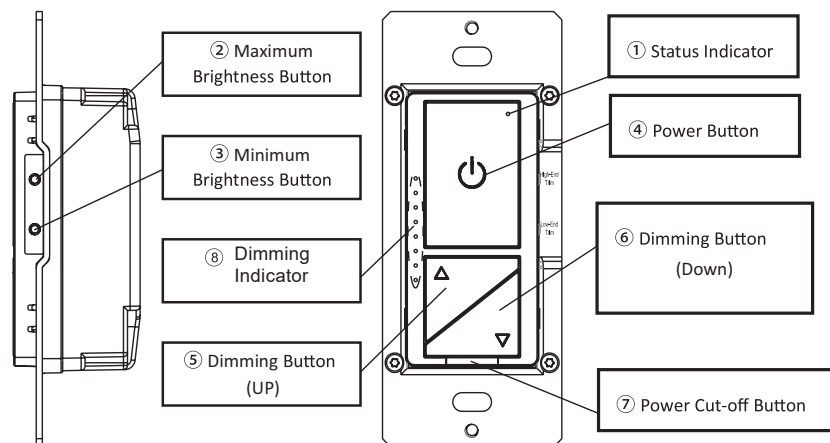
Dimming Level	Dimming Indicator
1–2	LED 1 on
3–4	LED 1–2 on
5–6	LED 1–3 on
7–8	LED 1–4 on
9–10	LED 1–5 on
11–12	LED 1–6 on
13–14	LED 1–7 on
15–16	LED 1–8 on

Important: Read all instructions prior to installation.

TRIAC Dimmer Switch

Switch Installation

NOTE: If the wiring in the wall box does not resemble any of the configurations to the right, please consult an electrician.

DMR-TE01-3WH *does not* have a neutral (white) wire. Disregard neutral-labeled wires in wiring diagrams. All other wiring is the same.
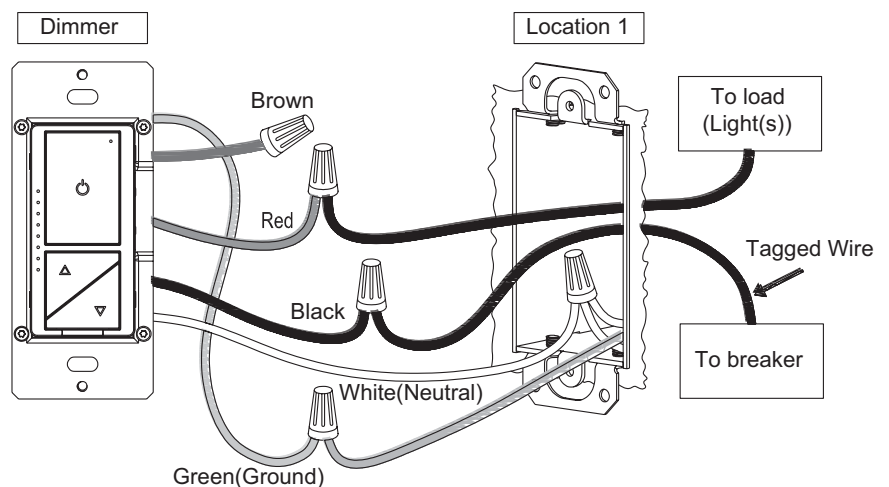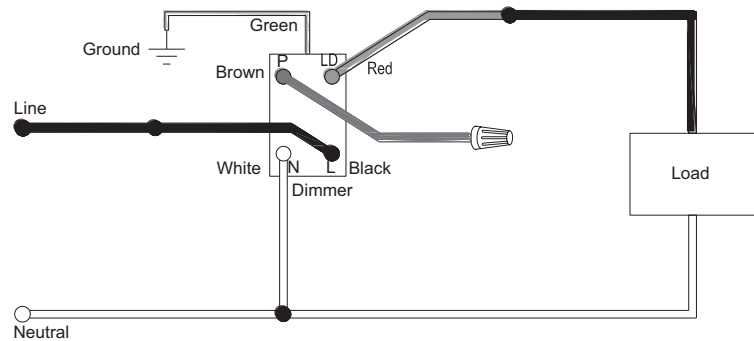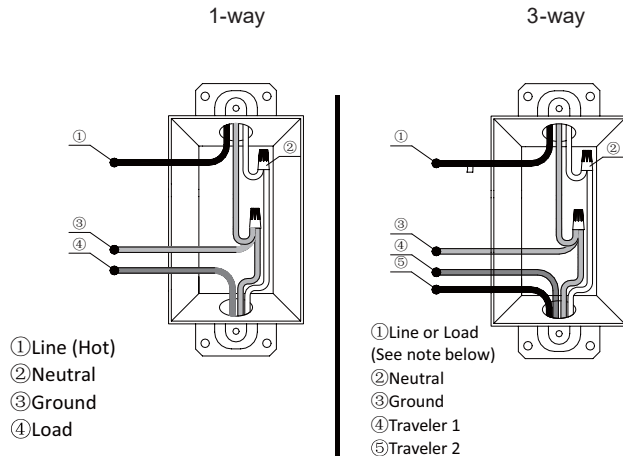
1. WARNING: To avoid fire and electrical shock, TURN OFF ALL THE POWER at the breaker before wiring.
2. If replacing an existing switch, carefully unscrew and remove the old switch from the wall box. DO NOT disconnect the wires from the switch at this time.
3. Identify the type of circuit (1-way or 3-way). Proceed to step 4a for 1-way wiring or step 4b for 3-way wiring.

<u>1-Way Wiring</u>
4a. Connect the green wire on the dimmer to the green or bare copper ground wire in the wall box using the included twist-on wire connector.
5a. Connect the black wire on the dimmer to the line wire of circuit breaker using the included twist-on wire connector.
6a. Connect the red wire on the dimmer to the load wire using the included twist-on wire connector.
7a. Connect the white wire to neutral.
8a. The brown wire is only used for 3-way setups, so cap the remaining red and white wire on the dimmer with twist-on wire connector.
Skip to step 12 here if using 1-way wiring.

<u>3-Way Wiring</u>
IMPORTANT: For 3-way applications, note that one of the screw terminals from the old removed switch will usually be a different color (black) or labeled "common". Tag that wire with electrical tape and identify it as the common (line or load) in both the dimmer wall box and the 3-way wall box. The dimmer must be connected to line and neutral at all times in order to function.

1-way

3-way

①Line (Hot)
②Neutral
③Ground
④Load

①Line or Load
(See note below)
②Neutral
③Ground
④Traveler 1
⑤Traveler 2

Green
Ground
Brown P LD Red
Line
White N L Black
Dimmer
Neutral
Load

Dimmer

Location 1

Brown

Red

Black

White(Neutral)

Green(Ground)

To load
(Light(s))

Tagged Wire

To breaker

Important: Read all instructions prior to installation.

TRIAC Dimmer Switch

Switch Installation (continued)

IMPORTANT: In a 3-way circuit, only one dimmer can be used.

Dimmer on Line Side
TRIAC Dimmer Switch Location

4b. Connect the green wire on the dimmer to the green or bare copper ground wire in the wall box using the included twist-on wire connector.

5b. Connect the black wire on the dimmer to the live wire of circuit breaker using the included twist-on wire connector.

6b. Connect the brown wire on the dimmer to traveler 2 wire using the included twist-on wire connector.

7b. Connect the white wire to neutral.

8b. Connect the red wire on the dimmer to traveler 1 wire using the included twist-on wire connector.

3-Way Switch Location

9b. Connect the green screw on the 3-way switch to the green or bare copper ground wire in the wall box using the included twist-on wire connector.

10b. Connect traveler 1 to load / common wire of the 3-way switch.

11b. Connect traveler 2 to screw 2 of the 3-way switch using the included twist-on wire connector.

Dimmer on Load Side
TRIAC Dimmer Switch Location

4b. Connect the green wire on the dimmer to the green or bare copper ground wire in the wall box using the included twist-on wire connector.

5b. Connect the black wire on the dimmer to traveler 1 using the included twist-on wire connector.

6b. Connect the brown wire on the dimmer to traveler 2 wire using the included twist-on wire connector.

7b. Connect the white wire to neutral.

8b. Connect the red wire on the dimmer to load using the included twist-on wire connector.

3-Way Switch Location

9b. Connect the green screw on the 3-way switch to the green or bare copper ground wire in the wall box using the included twist-on wire connector.

10b. Connect traveler 1 to common / line wire of the 3-way switch using the included twist-on wire connector.

11b. Connect traveler 2 to screw 2 of the 3-way switch using the included twist-on wire connector.

12. Carefully position all wiring inside the junction box, allowing enough room to insert the dimmer switch, then gently place the dimmer inside the junction box and line up the mounting holes.

Dimmer on Line Side

Dimmer on Load Side
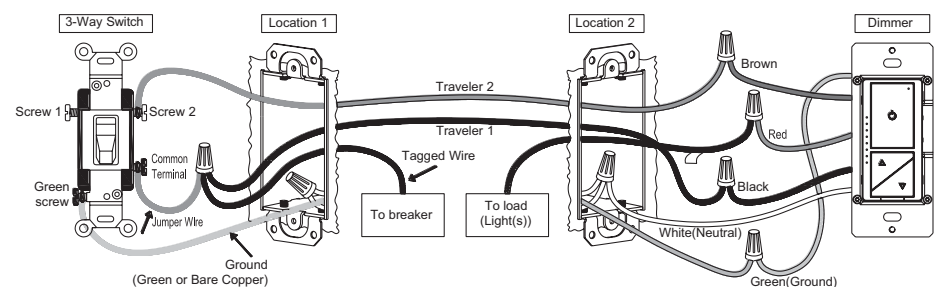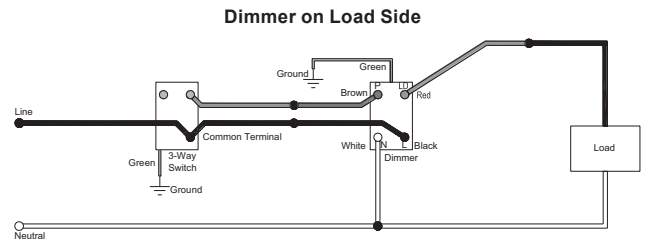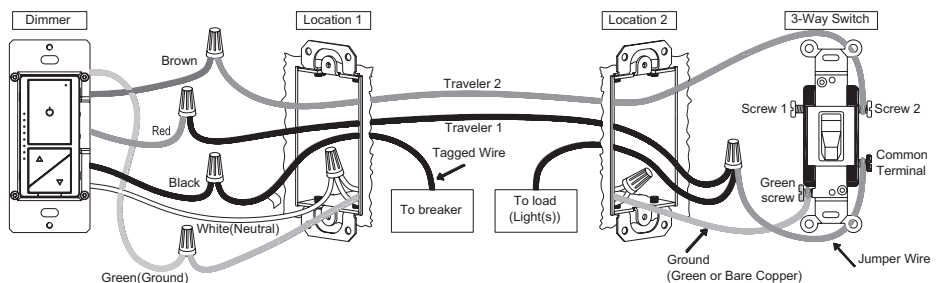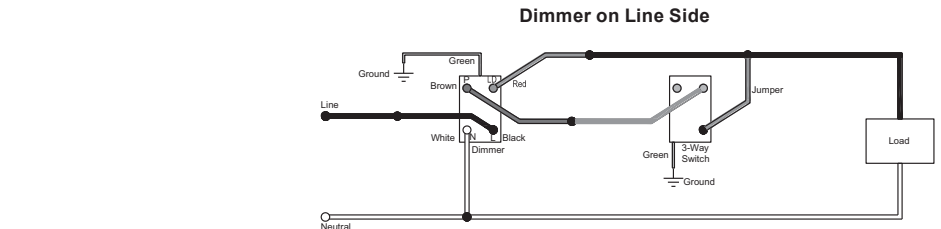
13. Mount the dimmer securely to the junction box using the provided screws.

14. Apply power and check to make sure the dimmer and switch work properly (as well as the secondary switch on 3-way installations and Wi-Fi connection and function on models equipped with Wi-Fi).