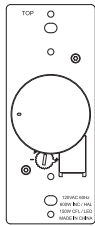




## INSTALLATION INSTRUCTIONS

### Single-Pole / 3-Way Rotary Dimmer Switch

120VAC, 60Hz Incandescent 600W, LED / CFL 150W (1.5A)



Modelo No.: 08013X, 08006X, 08010X

#### WARNINGS AND CAUTIONS

- WARNINGS:** TO AVOID FIRE, SHOCK, OR DEATH, TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!  
**AVERTISSEMENTS:** POUR ÉVITER TOUT INCENDIE, TOUT CHOC OU LA MORT, COUPEZ LE DISJONCTEUR OU LE FUSIBLE ET TESTEZ QUE L'ALIMENTATION EST COUPÉE AVANT LE CÂBLAGE!
- CAUTION:** TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT, DO NOT INSTALL TO CONTROL A RECEPTACLE, A MOTOR OPERATED APPLIANCE, A FLUORESCENT LIGHTING FIXTURE, OR A TRANSFORMER-SUPPLIED APPLIANCE, ETC.  
**ATTENTION:** GRADATEURS COMMANDAT UNE LAMPE A FILAMENT DE TUNGSTENE – AFIN DE REDUIRE LE RISQUE DE SURCHAUFFE ET LA POSSIBILITE D'ENDOMMAGEMENT A D'AUTRES MATERIELS, NE PAS INSTALLER POUR COMMANDER UNE PRISE, UN APPAREIL A MOTEUR, UNE LAMPE FLUORESCENTE OU UN APPAREIL ALIMENTE PAR UN TRANSFORMATEUR.

#### IMPORTANT NOTES

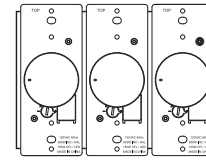
- Use with compatible dimmable LED, CFL bulbs, incandescent or 120V halogen fixtures only.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- Use this device with copper or copper-clad wire only.
- Use only one dimmer in a 3-or-4-way circuit. The other 3-or-4-way switch(es) will turn the light on at the brightness level selected at the dimmer.
- When multiple bulbs are controlled by one dimmer, do not mix bulb types. All bulbs shall be either LED, CFL or incandescent. Using the same make/model of each bulb will enhance dimmer performance.
- It is normal for the dimmer to feel warm to the touch during operation.
- Clean dimmer with a piece of soft damp cloth only. Do not use any chemical cleaners.
- For indoor use only.

#### TOOLS NEEDED TO INSTALL YOUR DIMMER

Slotted / Phillips Screwdriver    Electrical Tape    Pliers  
Pencil    Cutters    Ruler

#### INSTALL DIMMER BY ITSELF OR WITH OTHER DEVICES

In incandescent multi-dimmer installations, the reduction of the dimmer's capacity is required. Refer to the chart for maximum load per dimmer. No derating is required for use in dimmable CFL or dimmable LED multi-dimmer installations.



MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICES (Incandescent)		
Single Devices	Two Devices	More than 2 Devices
600W	500W	400W

#### INSTALL YOUR DIMMER

##### 1. Turn OFF Power

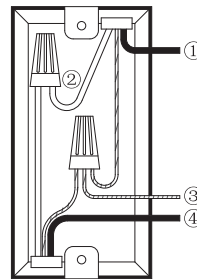
**TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER** at circuit breaker or fuse and test whether power is off before wiring or servicing fixture!

##### 2. Remove Wall Plate and Old Switch

Remove wall plate and switch mounting screws. Carefully remove the switch from the wall (**do not remove wires**).

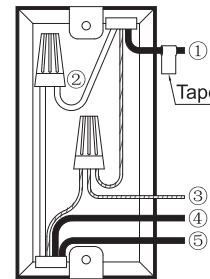
##### 3. Identify the Type of Circuit

If the wiring in the wall box does not resemble any of these configurations, consult an electrician.



Single Pole

- Line (Hot)
- Neutral
- Ground
- Load



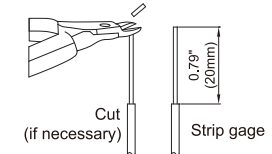
3-Way

- Line or Load (See note below)
- Neutral
- Ground
- First Traveler - note color
- Second Traveler - note color

**NOTE:** For 3-way applications, note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled COMMON. Tag that wire with electrical tape and identify as the COMMON (Line or Load) in both the dimmer wall box and 3-way wall box.

#### 4. Preparation Before Wiring

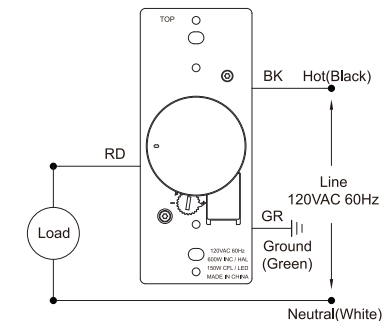
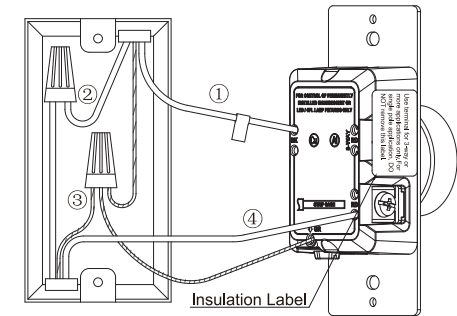
- Disconnect the wires from the switches, make sure that the ends of the wires from the wall box are straight (cut if necessary).
- Remove 0.79" (2cm) of insulation from each wire in the wall box.



For Single-Pole Wiring, go to Step 5A.

For 3-Way Wiring, go to Step 5B.

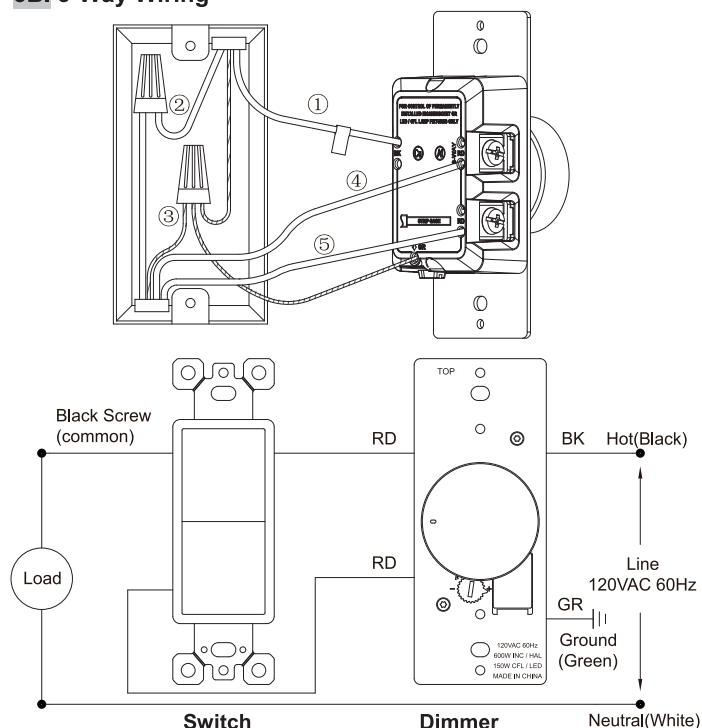
#### 5A. Single-Pole Wiring



**Connect wires per wiring diagram as follows:**

- Connect the green or bare copper wall box wire to the terminal screw marked "GR".
- Connect the Line Hot wall box wire to the terminal screw marked "BK".
- Connect the Load wall box wire to the terminal screw marked "RD".
- Remaining dimmer terminal screw marked "3-WAY RD" should have an insulation label affixed. **DO NOT REMOVE** this label in a single pole application.
- Form all wires carefully into wall box, mount dimmer but **DO NOT** install wall plate with mounting screws supplied until all sections are finished.

### 5B. 3-Way Wiring



#### Connect wires per wiring diagram as follows:

1. Connect the green or bare copper wall box wire to the terminal screw marked "GR".
2. Connect common wire (Line hot or Load) to the terminal screw marked "BK".
3. Connect the first traveler wire to the terminal screw marked "RD".
4. Remove insulating label and connect the second traveler wire to the remaining terminal screw below marked "RD".
5. Form all wires carefully into wall box, mount dimmer but DO NOT install wall plate with mounting screws supplied until all sections are finished.

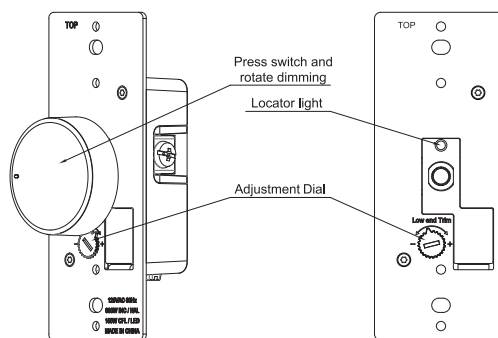
### 6. Test Your Dimmer

1. Restore power at circuit breaker or fuse.
2. Turn on the light by the push switch, turn the knob clockwise to the maximum position, and then turn it counterclockwise to the minimum position. The light gradually reaches the maximum brightness, and then gradually reaches the minimum brightness. If the light is off or blinking at the lowest point, refer to step 7. **Minimum Brightness Setting** to turn up the minimum brightness level until it doesn't flicker.
3. If lights never turn ON, turn OFF the power and recheck the wiring, or refer to the **TROUBLESHOOTING** section.

**WARNING: TO PREVENT SEVERE SHOCK OR ELECTROCUTION, MAKE SURE YOUR FINGERS DO NOT TOUCH THE WALL BOX, WIRES OR THE SCREW TERMINALS WHEN POWER IS RESTORED!**

### 7. Minimum Brightness Setting

1. Make sure the light is on. If not, turn on the light by push the knob switch.
2. Turn the knob counterclockwise to the lowest point.
3. Adjust the adjustment dial to the appropriate position until the load lamp reaches the stable minimum brightness and does not flicker or flash.



### 8. Wall plate Mounting

1. Turn OFF power at the circuit breaker (or remove fuse).
2. Mount the wall plate to the dimmer with the screws provided.
3. Turn ON power at the circuit breaker or restore fuse. Installation is complete.

### TROUBLESHOOTING

1. The dimmer doesn't turn on the light.
  - Check that the bulb is installed and has not failed.
  - Check if the circuit breaker or fuse is connected properly.
  - Check if the neutral line of the lamp is connected properly.
2. The light flicker throughout the dimming range.
  - Check if there is a dimmable sign on the CFL or LED and make sure to use a dimmable CFL or LED light.
3. CFL or LED lights flicker at low brightness.
  - Refer to step 7. **Minimum Brightness Setting** to turn up the minimum brightness level until it doesn't flicker.
4. The LED lamp turns on slightly after turning off the dimmer.
  - Replace the dimmer without indicator function, or replace the bulb with higher power.

### FCC COMPLIANCE STATEMENT

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.

### ONE YEAR LIMITED WARRANTY

The warranty gives you specific rights and you may also have other rights, which vary in different states and countries. Our company warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for 1 year from the purchase date. **This warranty does not cover labor for removal or reinstallation of the product and is void on any product installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner.** Our company excludes incidental or consequential damages for breach of any warranty on this product. Some jurisdictions may not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you.

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