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LED-DS-120V-600W

WARNING:

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any of these instructions, consult a qualified electrician.
- To avoid overheating and possible damage to this device and other equipment, do not install to control a receptacle, fluorescent lighting, a motor- or a transformer-operated appliance.
- Use only (1) dimmer in a 3- or 4-way circuit. The switch(es) will turn the light on at the brightness level selected at the dimmer.

CAUTION:

- Disconnect power at circuit breaker or fuse when servicing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CO/ALR or CU/AL.

Tools needed to install the dimmer –

- Slotted/Philips Screwdriver, Electrical Tape, Pliers, Pencil, Cutters, Ruler

Installing dimmer by itself or with other devices –

If installing Dimmer in a single device application, proceed with the **INSTALLING YOUR DIMMER** section. If installing Dimmer in multi-device application, proceed as follows:

MULTI-DEVICE APPLICATION: In multi-dimmer installations, the reduction of the dimmer's capacity is required. Refer to the chart for maximum load per dimmer.

MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE			
PART NO.	SINGLE	TWO DEVICES	MORE THAN 2 DEVICES
LED-DS-120V-600W	600W	500W	400W

INSTALLING YOUR DIMMER

1. **WARNING:** To avoid fire, shock, or death; TURN OFF POWER at circuit breaker or fuse and test that power is off before wiring!
2. **Removing existing switch:** Remove existing wallplate and switch mounting screws. Carefully pull switch from wall box. DO NOT remove wires attached to the switch at this time.
3. **Identifying your wiring application (most common):** NOTE: if the wiring in the wall box does not resemble any of these configurations, consult a qualified electrician.

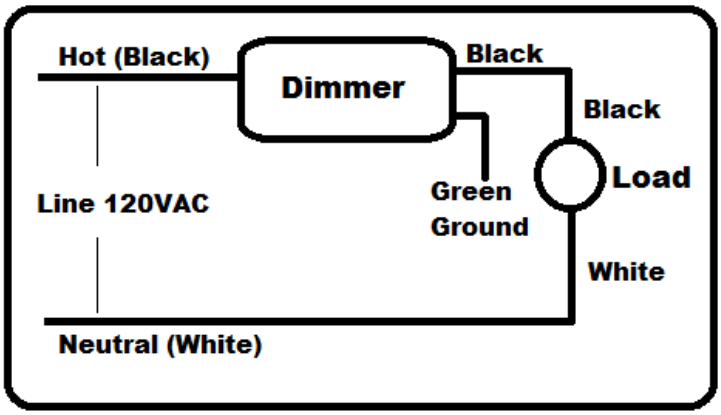
a. **Single Pole:** Look at the back of your switch. If there are 2 wires connected to two screw terminals (not including a green or bare copper wire used for grounding), you have a Single-Pole switch
b. **3-Way:** Look at the back of your switch. If there are 3 wires connected to 3 screws terminals (not including a green or bare copper wire used for grounding), you have a 3-way switch. Note that one of the screw terminals will usually be a different color (black) or labeled Common. Tag that wire with electrical tape to identify.

4. **Disconnecting switch wires and preparing wires**
   a. Disconnect wires from screw terminals or Quickwire slots.
   b. Pull off pre-cut insulation from Dimmer leads. Twist strands tightly together.
   c. Make sure that the ends of the wires form the wall box are straight (cut if necessary).
   d. Remove 5/8" (1.6 cm) of insulation from each wire in the wall box.
5. **Single-Pole Wiring Application**

   Connect wires per WIRING DIAGRAM as follows:

   Screw wire nuts on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.

   - Green dimmer Ground lead to Green or bare copper wire in wall box.
   - Black dimmer lead to any wall box wire removed from old switch.
   - Remaining Black dimmer lead to remaining wall box wire.

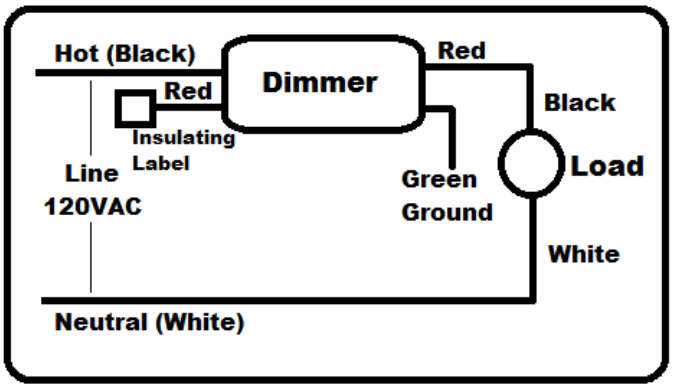


6. **Single-Pole Wiring Application using 3-Way Dimmer**

Connect wires per WIRING DIAGRAM as follows:

Screw wire nuts on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.

- Green dimmer Ground lead to Green or bare copper wire in wall box.
- Black dimmer lead to any wall box wire removed from old switch.
- Red dimmer lead without insulating label to remaining wall box wire.
- Remaining Red dimmer lead should have Red insulation label affixed.
  NOTE: If insulating label is not affixed to Red lead, use a small wire nut or electrical tape to cap off.

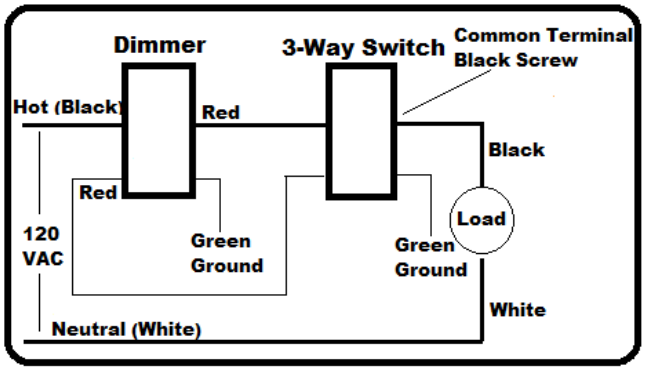


7. **3-Way Wiring Application**

Connect wires per WIRING DIAGRAM as follows:

Screw wire nuts on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.

- Green dimmer Ground lead to Green or bare copper wire in wall box.
- Black dimmer lead to tagged (common) wall box wire identified when removing old switch.
- Remove Red insulating label from Red Lead.
- Any Red dimmer lead to any of the remaining wall box wires.
- Remaining Red dimmer lead to remaining wall box wire.



8. **Testing your Dimmer prior to mounting in wall box**
   NOTE: This unit is shipped with the indicator light enabled (on). If you do not want the light option (off), with an insulated screwdriver slide the switch at the TOP of the frame to the right while facing the device before mounting wallplate.
   - Restore power at circuit breaker or fuse.
   - Slide control lever up to highest position. Lights should turn ON to brightest level. If lights do not turn on, refer to troubleshooting section.
9. **Dimmer Mounting**
   - Turn off power at circuit breaker or fuse.

   Installation may now be completed by carefully positioning all wires to provide room in wall box for dimmer. Mount dimmer into box with mounting screws supplied. Attach wallplate.

10. **Restore Power:** Restore power at circuit breaker or fuse. Installation is complete.

OPERATION

NOTE: If using the indicator light option, the light will illuminate when the dimmer is in the OFF position to facilitate access in the dark.

NOTE: If using the dimmer in a 3-way application, the lights will turn ON at brightness set on dimmer's slide control lever. The lighting level can be switched ON/OFF from either the dimmer or switch location.

Single Pole:

ON: Slide control lever up to turn lights ON at desired level of light.
OFF: Slide control lever all the way down until it clicks to turn lights OFF.
BRIGHTEN: Raise slider control lever.
DIM: Lower slider control lever.

3-Way:

ON: Push rocker switch ON.
OFF: Push rocker switch OFF.
BRIGHTEN: Raise slider control lever to desired level of light.
DIM: Lower slider control lever.