LED / CFL / ELECTRONIC LOW VOLTAGE SLIDE DIMMER

Single Pole or 3-Way

Cat. No. DSE06-1, LED/CFL 300W/2.5A, 120VAC, 60Hz / Electronic Low Voltage - 600VA/5A

For use with Electronic Low Voltage Transformers

INSTALLATION INSTRUCTIONS

decora®

LEVITON®

DI-000-DSE06-02A-X3

WARNINGS AND CAUTIONS:

- **TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring or servicing fixture!
- **TO AVOID FIRE, SHOCK, OR DEATH:** use with compatible **dimmable** LED bulbs only. For a complete list of compatible LED bulbs refer to **www.leviton.com/universal**.
- 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**.

WARNINGS AND CAUTIONS:

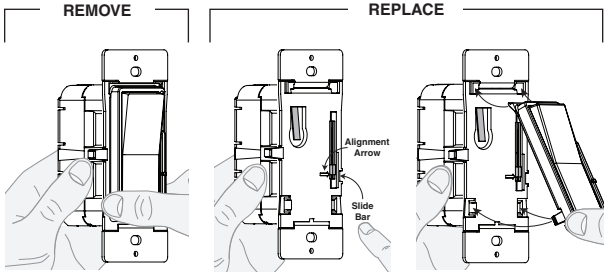
- Use with Electronic Low Voltage Transformers only. **DO NOT** use to control a magnetic low-voltage transformer. Use a Leviton magnetic low-voltage dimmer to control magnetic low-voltage transformers.
- Use only one (1) dimmer in a 3 or 4-way circuit. The switch(es) will turn the light on at the brightness level selected at the dimmer.
- To avoid overheating and possible damage to this device and other equipment, **DO NOT** install to control a receptacle, a motor or a transformer-operated appliance, or any other lighting sources than those specified.

Tools needed to install your Dimmer

Slotted/Philips Screwdriver
Pliers
Electrical Tape
Pencil
Ruler
Cutters

Changing the color of your Dimmer

If a color change kit is provided with your device, proceed with the following step before wiring the device if you need to change the color. Otherwise, proceed with the "**Installing Dimmer by itself or with other devices**" section.



Press the side of the color kit at either bottom tab and pull forward to release.

Align slide bar with alignment arrow as shown. Move the slide bar of the color kit to the bottom.

Insert top tabs of the color kit into the slots on the top of the dimmer. Then press the bottom of the color kit in until it snaps into place.

Installing Dimmer by itself or with other devices

No derating is required in multi-device applications.

MAXIMUM BULB WATTAGE:

Low-voltage dimmers are rated in Volt-Amps (VA). The maximum bulb wattage is determined by the efficiency of the transformer in the low-voltage lighting system. Transformer efficiencies will vary from different manufacturers; consider 80% efficient as average. Use the chart to determine maximum bulb wattage for typical transformer efficiency ratings.

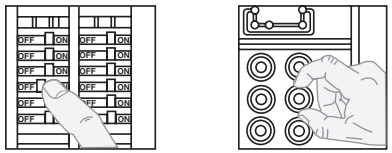
MAXIMUM BULB WATTAGE AT 80% EFFICIENCY				
Load	**Rating**	**Single**	**Two Devices**	**More than 2 Devices**
ELV	600VA/5A	480W/4A	480W/4A	480W/4A

Installing your Dimmer

NOTE: Use check boxes ☑ when Steps are completed.

Step 1

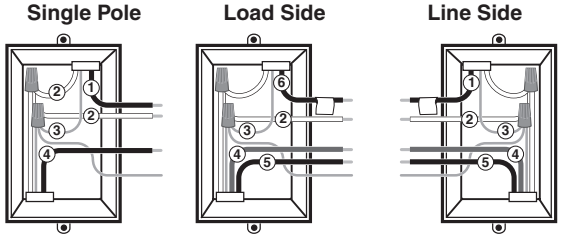
☐ **WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring or servicing fixture!



Step 2

☐ **Identifying your wiring application (most common):**

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



Single Pole
1. Line (Hot)
2. Neutral
3. Ground
4. Load

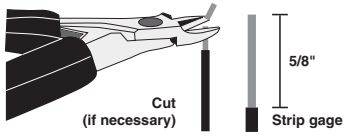
3-Way
1. Line **(See note below)**
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color
6. Load **(See note below)**

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.

Step 3

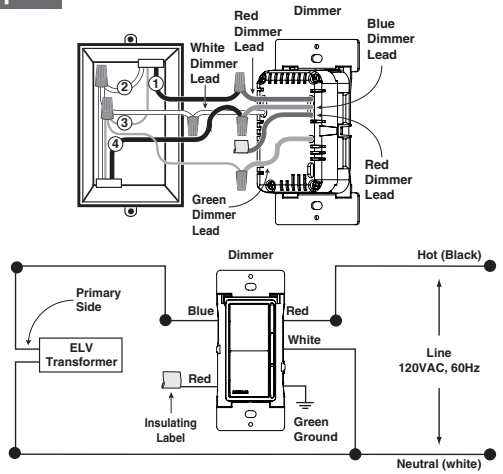
☐ **Preparing and connecting wires:**

- Make sure that the ends of the wires from the wall box are straight **(cut if necessary)**.
- Remove 5/8" (1.6 cm) of insulation from each wire in the wall box (shown).
- **For Single-Pole Application, go to Step 4a.**
- **For 3-Way Application, go to Step 4b.**



Step 4a

☐ **Single-Pole Wiring Application:**

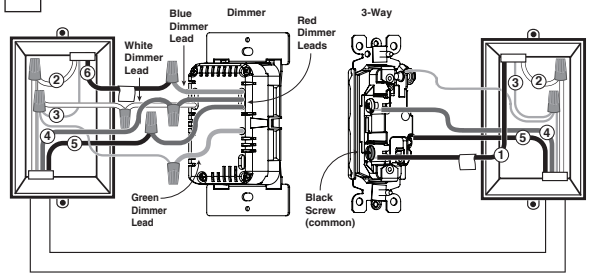


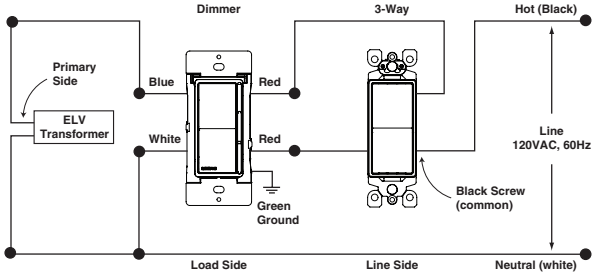
Connect wires per WIRING DIAGRAM as follows:

- Green or bare copper wall box wire to **GREEN** dimmer lead.
- Neutral wall box wire to **WHITE** dimmer lead.
- Line Hot wall box wire to a **RED** dimmer lead.
- Load wall box wire to **BLUE** dimmer lead.
- Remaining **RED** Dimmer lead should have a label affixed. **DO NOT REMOVE** this label in a single pole application. **NOTE:** If the insulating label is not affixed to the second **RED** lead use electrical tape or a wire connector to cover.

Proceed to Step 5.

Step 4b 3-Way Wiring Application:





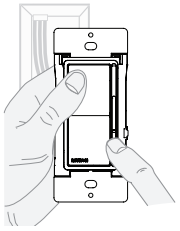
Connect wires per WIRING DIAGRAM as follows:

NOTE: Dimmer must be installed on the load side of the 3-way circuit.

- Green or bare copper wall box wire to **GREEN** dimmer lead.
- Neutral wall box wire to **WHITE** dimmer lead.
- Common (Load) wire to **BLUE** dimmer lead.
- Remove insulating label and connect the first traveler wire to the **RED** dimmer lead.
- Connect the second traveler wire to the remaining **RED** dimmer lead.

Proceed to Step 5.

Step 5 Testing your Dimmer prior to mounting in the wall box:

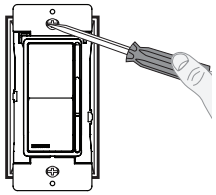


- Restore power at circuit breaker or fuse.
- Carefully holding dimmer, move slider control lever to highest position and press the top of the Decora® rocker. Lights should turn ON to brightest level.

  If lights does not turn ON, refer to the TROUBLESHOOTING section.

Step 6 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.

Step 7 Restore Power:

Restore power at circuit breaker or fuse.

Installation is complete.

Operation

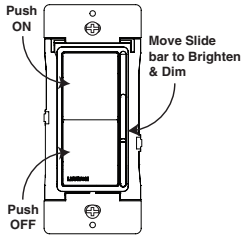
ON/OFF:

Press top of Decora® rocker
- Lights will turn ON.

Press bottom of Decora® rocker
- Lights will turn OFF.

BRIGHTEN & DIM:

Move slide bar
- Lights will BRIGHTEN or DIM.



Troubleshooting

- **Lights flickering**
  - Lamp has bad connection.
  - Wires not secured firmly with wire connectors.
- **Light does not turn ON**
  - Circuit breaker or fuse has tripped.
  - Lamp or ballast has burned out.
  - Lamp sockets are not Rapid Start type.
  - Lamp Neutral connection is not wired.

NOTE: If further information is needed in identifying the HOT wire in a 3-Way application, go to Leviton's website at www.leviton.com.

For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only) www.leviton.com

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

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