

# LED / CFL / ELECTRONIC LOW VOLTAGE SLIDE DIMMER

Single Pole or 3-Way

Cat. No. RSDE06-120-WVL, LED/CFL 300W/2.5A, 120VAC, 60Hz / Electronic Low Voltage - 600W/5A

For use with Electronic Low Voltage Transformers

## INSTALLATION INSTRUCTIONS



**HUBBELL**  
Control Solutions

DI-401-DSE06-02A-X2

### 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.
- 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 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

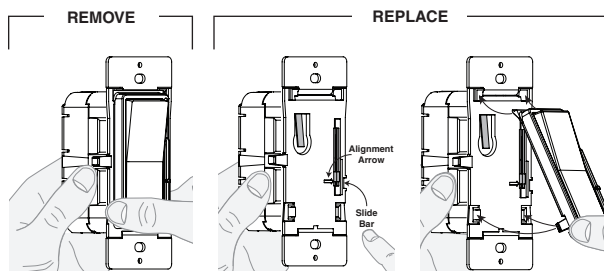
Slotted/Philips Screwdriver  
Pliers

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.



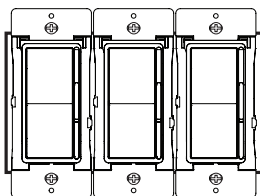
Press the side of the color kit at either bottom tab and pull forward to release.

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

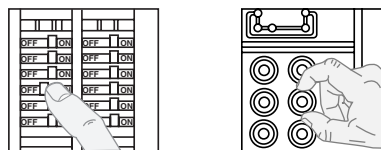
No derating is required in multi-device applications.



### 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!

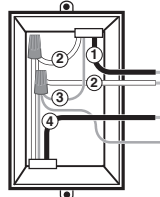


**Step 2** **Identifying your wiring application (most common):**

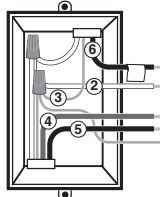


**NOTE:** If the wiring in the wall box does not resemble any of these configurations, consult an electrician.

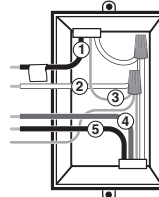
#### Single Pole



#### Load Side



#### Line Side



#### Single Pole

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

#### 3-Way

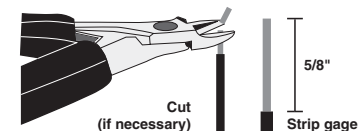
1. Line (See note below)
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color
6. Load (See note below)

**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.

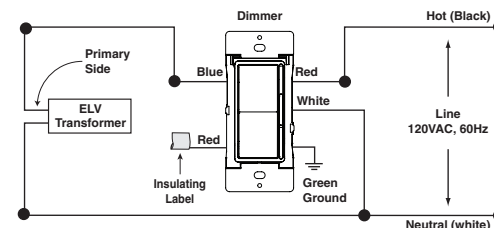
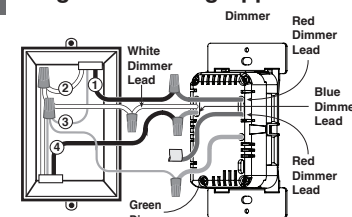
### Step 3 Preparing and connecting wires:



- 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:

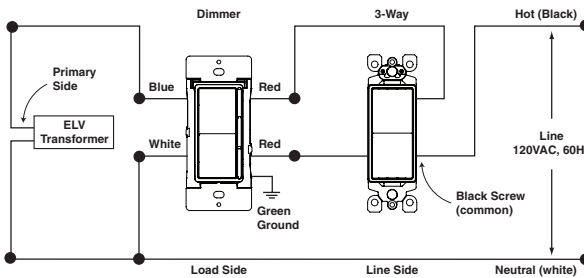
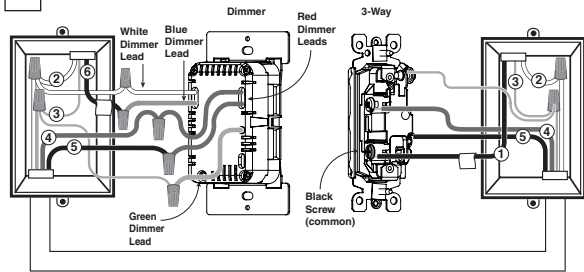


**Connect wires per WIRING DIAGRAM as follows:**

- 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:



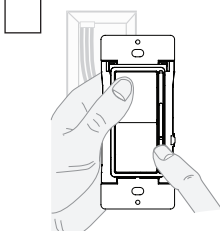
Connect wires per **WIRING DIAGRAM** as follows:

**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:

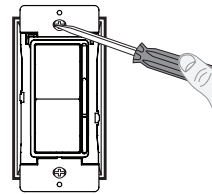


- Restore power at circuit breaker or fuse.
- Carefully holding dimmer, move slider control lever to highest position and press the top of the rocker. Lights should turn ON to brightest level.

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.**

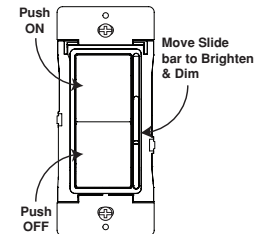
## Operation

### ON/OFF:

- Press top of rocker
  - Lights will turn ON.
- Press bottom of 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.

### FCC STATEMENT

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.

### IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**LIMITED 5 YEAR WARRANTY AND EXCLUSIONS**  
For Hubbell Control Solutions warranty and exclusions information:  
[www.hubbell.com/hubbellighting/en/warranty](http://www.hubbell.com/hubbellighting/en/warranty)

For additional information, contact Hubbell Techline at  
1-800-888-8006 or visit Hubbell website at [www.hubbell.com](http://www.hubbell.com)