English

Single Pole/3-Way Reverse Phase (Electronic-Low Voltage) Dimmer

Rated at 120 V~ 60 Hz

Purchase wallplate separately.

Models:
DVRP-253P
CTRP-235P

0301853 Rev. A
05/2017

LED/Compact Fluorescent/ Halogen/ Incandescent/Electronic Low-Voltage Dimmer

120 V~ 60 Hz

250 W			500 W
CFL	LED	OR	INC / HAL / ELV

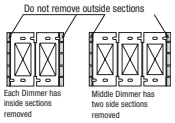
Important Notes. Please read before installing.

1. **CAUTION:** Use only with permanently installed fixtures with dimmable screw-in LED, dimmable screw-in compact fluorescent, halogen, incandescent lamps or electronic low-voltage transformers. To avoid overheating and possible damage to other equipment, do not use to control magnetic low-voltage transformers, receptacles, fluorescent lighting fixtures, motor-driven appliances, or transformer-supplied appliances.
2. Install in accordance with all national and local electrical codes.
3. When no "grounding means" exist in wallbox, National Electrical Code® (NEC®) allows a control to be installed as a replacement if 1) a nonmetallic, noncombustible faceplate is used with nonmetallic attachment screws or 2) the circuit is protected by a ground fault circuit interrupter (GFCI). When installing a control according to these methods, cap or remove green wire before screwing control into wallbox.
4. This product requires a neutral wire in the wallbox. If a neutral wire is not present, contact a licensed electrician for installation.
5. Use only to control the primary side of electronic transformer-supplied, low-voltage lighting, or in combination with incandescent lamps.
6. Protect Dimmer from dust and dirt when painting or spackling.
7. It is normal for the Dimmer to feel warm to the touch during operation.
8. *Clean dimmer with a soft damp cloth only.* **Do not** use any chemical cleaners.
9. For indoor use only.
10. Controls must be mounted vertically. See stamp on control for correct positioning.
11. **DO NOT** swap the red and yellow wires or the LED dimming performance may be adversely affected.
12. **When using LEDs or CFLs with this dimmer, only bulbs marked or rated as DIMMABLE with Universal or Reverse-Phase Dimmers and on the Lutron LED Report Card Tool**
13. **For FAQs and a list of recommended DIMMABLE LEDs and CFLs For further questions, please call our LED Center of Excellence**

Multi-Unit Installations

When installing more than one Dimmer in the same wallbox, it may be necessary to remove all inner side sections prior to wiring (see diagram). Removal of side sections may reduce maximum wattage, as shown in the chart below.

Mixing bulb types (*using a combination of LED / CFL, and Incandescent / Halogen bulbs) and removal of Dimmer side sections may reduce maximum wattage as shown in the chart below.

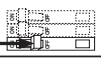


Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage*		
		Ⓐ	Ⓑ	Ⓒ
0 W	+	500 W	400 W	300 W
1 W – 40 W	+	400 W	300 W	200 W
41 W – 80 W	+	300 W	200 W	100 W
81 W – 120 W	+	200 W	100 W	50 W
121 W – 160 W	+	100 W	50 W	25 W
161 W – 200 W	+	50 W	0 W	0 W
201 W – 250 W	+	0 W	0 W	0 W

Installation

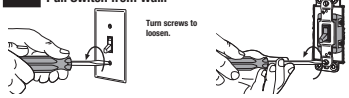
For installations involving more than one control in a wallbox, refer to Multi-Unit Installations before beginning.

1 Turn Power OFF at Circuit Breaker or Remove Fuse.

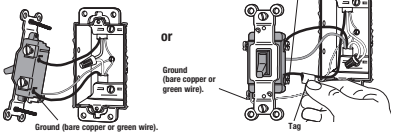


WARNING: Shock Hazard. May result in serious injury or death. **Turn off power at circuit breaker before installing the unit.**

2 Remove Wallplate and Switch Mounting Screws. Pull Switch from Wall.



3 Verify Type of Switch.

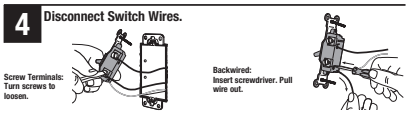


Single-Pole:
Insulated wires connected to two screws of the same color. Replace with a single-pole Dimmer.

or

3-Way:
Insulated wires connected to three screws. One of these wires is connected to a screw of a different-color or is labeled COMMON. **Mark** or **Tag** wire to identify when rewiring. Replace the switch directly connected to the load with the 3-way Dimmer.

4 Disconnect Switch Wires.



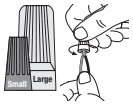
Important Wiring Information

When making wire connections, follow the recommended strip lengths and combinations for the supplied wire connectors. **Note:** Wire connectors provided are suitable for **copper wire only.** For aluminum wire, consult an electrician.

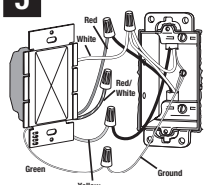
Small:
Strip insulation 3/8 in (10 mm) for 14 AWG (1.5 mm²) wire.
Strip insulation 1/2 in (13 mm) for 16 AWG (1.0 mm²) or 18 AWG (0.75 mm²) wire.
Use to join one 14 AWG (1.5 mm²) supply wire with one 16 AWG (1.0 mm²) or 18 AWG (0.75 mm²) control wire.

Large:
Strip insulation 1/2 in (13 mm) for 10 AWG (6 mm²), 12 AWG (2.5 mm²), or 14 AWG (1.5 mm²) wire.
Strip insulation 5/8 in (16 mm) for 16 AWG (1.0 mm²) or 18 AWG (0.75 mm²) wire.
Use to join one or two 12 AWG (2.5 mm²) or 14 AWG (1.5 mm²) supply wires with one 10 AWG (6 mm²), 12 AWG (2.5 mm²), 14 AWG (1.5 mm²), 16 AWG (1.0 mm²), or 18 AWG (0.75 mm²) control wire.

Be sure no bare wire is exposed.

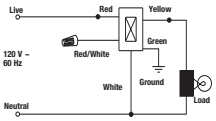


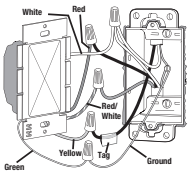
5 Wiring the Dimmer.



For a Single-Pole Circuit:
- Connect the **green** Dimmer ground wire to the bare copper or green ground wire in the wallbox (see Important Note 3).
- Connect the **red** Dimmer wire to the wire leading to the circuit breaker or fuse box.
- Connect the **yellow** Dimmer wire to the wire leading to the load.
- Connect the **white** Dimmer wire to neutral (see Important Note 4).
- Twist a wire connector onto the **red/ white** Dimmer wire. This wire is not used in a single pole circuit.

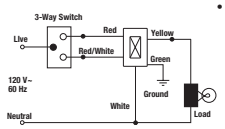
Note: If the red and yellow wires are reversed, the lamp may flicker.



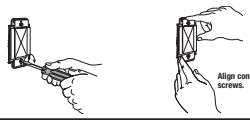


For a 3-Way Circuit:
- A 3-way switch must be on the line side of the Dimmer.
- Connect the **green** Dimmer ground wire to the bare copper or green ground wire in the wallbox (see Important Note 3).
- Connect the **red** Dimmer wire to one of the wires leading to the 3-way switch.
- Connect the **red/white** Dimmer wire to the other wire leading to the 3-way switch.
- Connect the **yellow** Dimmer wire to the wire leading to the load (marked or tagged wire).
- Connect the **white** Dimmer wire to neutral (see Important Note 4).

Note: If the red and yellow wires are reversed, the lamp may flicker.



6 Mount and Align Control. Install Wallplate.



7 Restore Power.

LUTRON