

Lutron CTCL-153P-WH

Lutron CTCL-153P-WH Contour CFL/LED Dimmer Switch Instruction Manual

Model: CTCL-153P-WH

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lutron CTCL-153P-WH Contour CFL/LED Dimmer Switch. This dimmer is designed to provide smooth and reliable dimming for compatible Compact Fluorescent (CFL) and Light Emitting Diode (LED) bulbs. It features a compact design and does not require a neutral wire for installation, simplifying the upgrade process for many homes.

SETUP AND INSTALLATION

Before beginning installation, ensure the power to the circuit breaker is turned OFF to prevent electrical shock. It is recommended to consult a qualified electrician if you are unsure about any steps.

What's Included

- Lutron CTCL-153P-WH Dimmer Switch
- Wire nuts (typically included, but verify packaging)
- Mounting screws (typically included, but verify packaging)

Note: The Claro wallplate is sold separately and is not included with the dimmer switch.

Tools Required (Not Included)

- Screwdriver (Phillips and/or flathead)
- Wire strippers
- Electrical tape

- Voltage tester

Installation Steps

1. **Turn Off Power:** Locate the circuit breaker that controls the light fixture you are working on and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wallplate and switch from the wall box. Disconnect the wires from the old switch.
3. **Identify Wires:** This dimmer does not require a neutral wire. Identify the two load wires (hot and switched hot) and the ground wire.
4. **Connect New Dimmer:** Connect the wires from the wall box to the corresponding wires on the Lutron CTCL-153P-WH dimmer switch using wire nuts. Ensure all connections are secure. Connect the ground wire.
5. **Mount Dimmer:** Carefully push the wired dimmer switch into the wall box. Secure it with the provided mounting screws.
6. **Install Wallplate:** Attach the Claro wallplate (sold separately) over the dimmer switch.
7. **Restore Power:** Turn the power back ON at the circuit breaker.
8. **Test Dimmer:** Test the dimmer switch to ensure proper operation.



Image: The Lutron CTCL-153P-WH Dimmer Switch, shown installed in a wall. It features a main rocker switch for on/off and a smaller slide control for dimming.

OPERATING YOUR DIMMER SWITCH

The Lutron CTCL-153P-WH dimmer switch is designed for intuitive control of your lighting. It features two

primary controls:

- **On/Off Rocker Switch:** The larger bottom switch acts as a standard light switch. Press the top of the rocker to turn lights ON, and the bottom to turn lights OFF.
- **Dimming Slide Control:** The smaller slide control located above the rocker switch allows you to adjust the brightness level. Slide it upwards to increase brightness and downwards to decrease brightness.



Image: A close-up view of the dimmer switch, highlighting the on/off rocker and the dimming slide control for easy identification.

MAINTENANCE

The Lutron CTCL-153P-WH dimmer switch requires minimal maintenance. To clean the surface, simply wipe it with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can

damage the finish or internal components. Ensure power is off before cleaning.

TROUBLESHOOTING

- **Lights Flicker or Buzz:**
 - Ensure that the bulbs you are using are compatible with CFL/LED dimmers.
 - Verify that the total wattage of your bulbs does not exceed the dimmer's maximum rating (150W for LED/CFL).
 - Adjust the dimmer's low-end trim setting (if available on your model, consult specific product documentation for details).
- **Lights Do Not Dim or Turn Off Completely:**
 - Confirm that the bulbs are dimmable CFL or LED types.
 - Check all wire connections for tightness and proper contact.
 - Ensure the dimmer is correctly installed for a single-pole or 3-way application as intended.
- **Dimmer Does Not Work:**
 - Check the circuit breaker to ensure power is restored to the circuit.
 - Verify all wiring connections are correct and secure.
 - Ensure the dimmer is not overloaded with incompatible or excessive wattage bulbs.

If you continue to experience issues, contact Lutron customer support or consult a qualified electrician.

SPECIFICATIONS

| | |
|---------------------------|-------------------------|
| Manufacturer | Lutron |
| Part Number | CTCL-153P-WH |
| Item Model Number | CTCL-153P-WH |
| Product Dimensions | 4 x 2.2 x 4.5 inches |
| Item Weight | 1.6 ounces |
| Color | White |
| Material | Glossy White |
| Power Source | Corded Electric |
| Voltage | 120 Volts |
| Wattage | 150 watts (for CFL/LED) |
| Type of Bulb | Fluorescent, LED |
| Mounting Type | Wall Mount |
| Switch Style | Slide switch |
| Minimum Load | 5W |

| | |
|------------------------------|----|
| Neutral Wire Required | No |
|------------------------------|----|

WARRANTY AND SUPPORT

For specific warranty information and details regarding your Lutron CTCL-153P-WH dimmer switch, please refer to the documentation included with your product packaging or visit the official Lutron website. Lutron provides customer support for product inquiries, technical assistance, and warranty claims.

Lutron Customer Service:

- **Website:** www.lutron.com
- **Phone:** Refer to the Lutron website for regional contact numbers.