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Westek 6503HBLC

Westek 6503HBLC Indoor Wire-In 3-Level Touch Dimmer Replacement

Instruction Manual

1. Product Overview

The Westek 6503HBLC is a universal 3-level touch dimmer replacement module designed to repair or upgrade existing touch lamps. It provides three distinct light levels (low, medium, high) and an off state, enhancing energy efficiency and user convenience. This module is compatible with incandescent and halogen bulbs up to a maximum of 300 Watts.



Image 1.1: The Westek 6503HBLC 3-Level Touch Dimmer module with its four color-coded wires (black, grey, red, yellow) and product specifications printed on its casing. A lamp is visible in the background, indicating its application.

Key Features:

- **3-Level Dimming:** Provides low, medium, and high light settings.
- **Universal Compatibility:** Designed to replace dimmers in most touch lamps.
- **High Wattage Support:** Handles up to 300 Watts for incandescent and halogen bulbs.
- **Easy Installation:** Wire-in design for integration into the lamp base.

2. Safety Information

WARNING: Risk of electric shock. Installation should only be performed by a qualified individual or electrician if you are not comfortable working with electrical wiring. Always disconnect power at the circuit breaker before beginning installation.

- Ensure the lamp is unplugged from the power outlet before any installation or maintenance.
- Do not exceed the maximum wattage rating of 300 Watts.
- This dimmer is designed for incandescent and halogen bulbs only. Do not use with LED or CFL bulbs unless they are specifically labeled as dimmable and compatible with touch dimmers. Using incompatible bulbs may damage the dimmer or the bulb.
- Keep the dimmer module dry and away from moisture.
- Ensure all wire connections are secure and properly insulated.

3. Package Contents

- Westek 6503HBLC 3-Level Touch Dimmer Module (1 unit)
- Wire nuts (typically included for connections)

4. Specifications

Model Number	6503HBLC
Manufacturer	Westek (AmerTac)
Input Voltage	120 VAC
Frequency	60 Hz
Max Wattage	300 Watts
Bulb Compatibility	Incandescent, Halogen
Dimming Levels	3 (Low, Medium, High) + Off
Dimensions (L x W x H)	2.63 x 1.75 x 0.75 inches
Weight	1.76 ounces
Material	Plastic

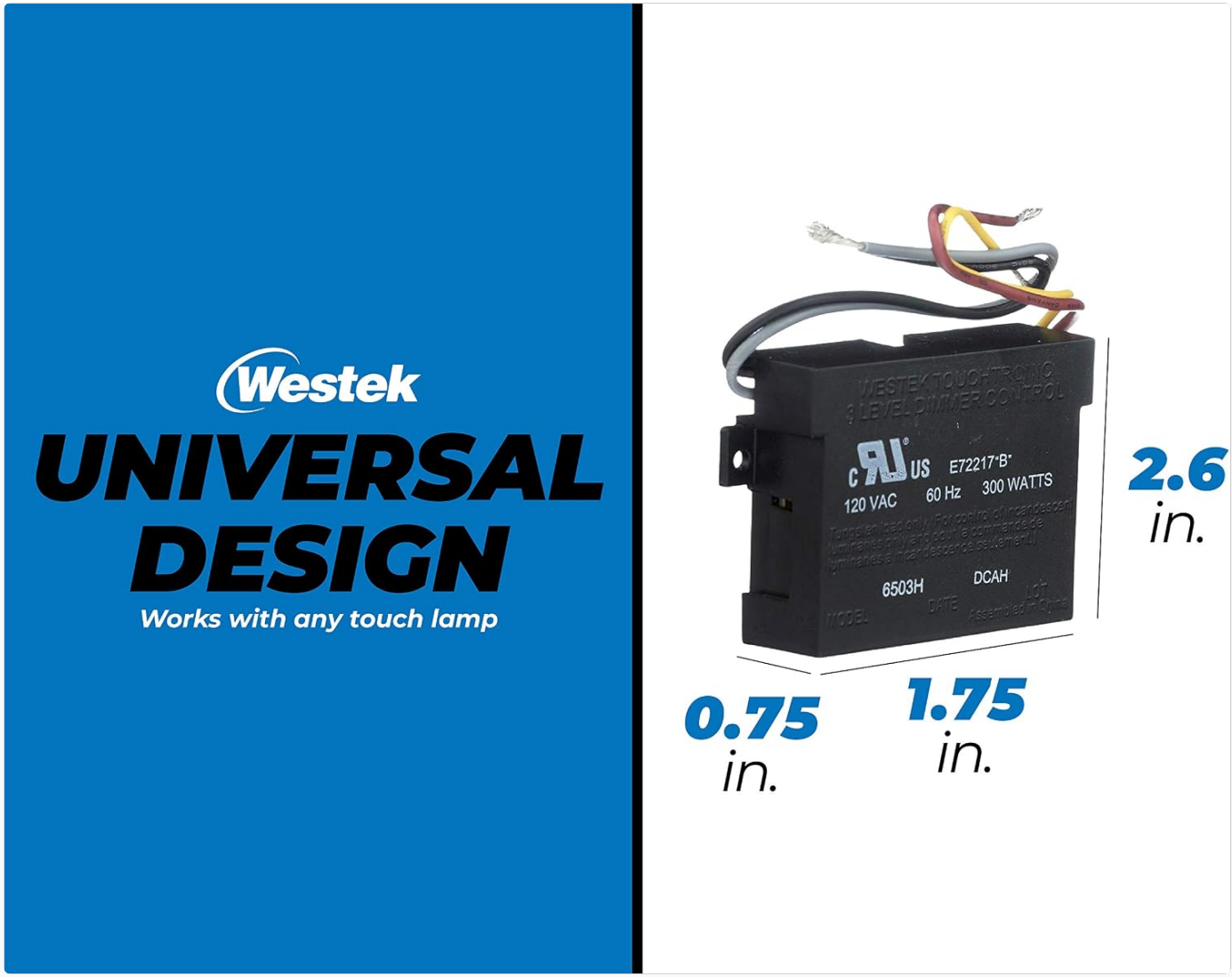


Image 4.1: The Westek 6503HBLC dimmer module with its dimensions labeled: 2.6 inches in length, 1.75 inches in width, and 0.75 inches in height.

5. Installation Instructions (Setup)

This dimmer module is designed for wire-in installation, typically within the base of a touch lamp. Follow these steps carefully:

1. **Disconnect Power:** Unplug the lamp from the wall outlet. If the lamp is hardwired, turn off power at the circuit breaker.
2. **Access Lamp Base:** Carefully open the lamp base to expose the existing wiring and dimmer (if any). Note the current wiring configuration before disconnecting anything.
3. **Identify Wires:** The Westek 6503HBLC dimmer has four wires:
    - **Black Wire:** Hot (Power Input from the wall plug, typically connected to the narrower blade of the AC plug).
    - **Grey Wire:** Neutral (Common connection, typically connected to the wider blade of the AC plug and the neutral wire going to the bulb socket).
    - **Red Wire:** Switched Power Output (Connects to the hot wire leading to the lamp bulb socket(s)).
    - **Yellow Wire:** Touch Sensor (Connects to the metal frame or base of the lamp that you touch to operate the dimmer).
4. **Remove Old Dimmer (if applicable):** Disconnect the wires from the old dimmer, making sure to remember which wire went where.
5. **Connect New Dimmer:** Using appropriate wire nuts (ensure they are sized correctly for your wires), connect the

wires of the Westek 6503HBLC as follows:

- Connect the **Black wire** of the dimmer to the **Hot (Live) wire** coming from the lamp's power cord.
- Connect the **Grey wire** of the dimmer to the **Neutral wire** coming from the lamp's power cord AND the **Neutral wire** going to the lamp's bulb socket(s). This will be a three-way connection.
- Connect the **Red wire** of the dimmer to the **Hot wire** going to the lamp's bulb socket(s).
- Connect the **Yellow wire** of the dimmer to the metal part of the lamp's base or frame that is intended for touch control. Ensure this connection is secure and makes good contact. If your lamp is powder-coated or non-conductive, you may need to extend this wire to a conductive part or create a discreet touch point.

6. **Secure Connections:** Ensure all wire nuts are tightly secured and connections are insulated. Tuck the dimmer module and wiring neatly into the lamp base, ensuring no wires are pinched.
7. **Reassemble Lamp:** Carefully close the lamp base.
8. **Test:** Plug the lamp back into the wall outlet and test its functionality.

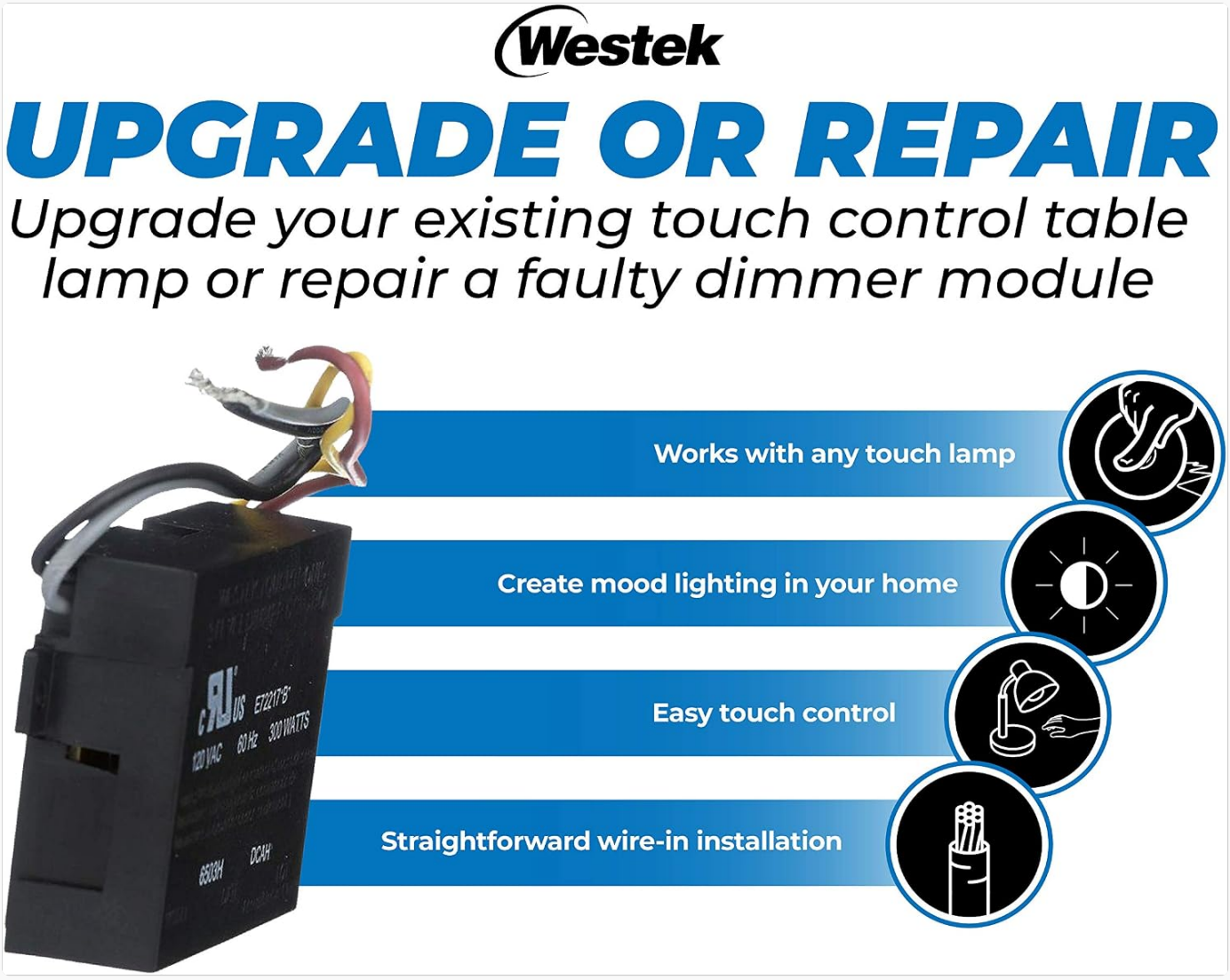


Image 5.1: An illustration highlighting the benefits of the Westek 6503HBLC dimmer, including compatibility with any touch lamp, ability to create mood lighting, easy touch control, and straightforward wire-in installation.

6. Operating Instructions

Once installed, the Westek 6503HBLC touch dimmer operates with a simple touch sequence:

1. **First Touch:** Turns the lamp ON at the **Low** light setting.
2. **Second Touch:** Changes the lamp to the **Medium** light setting.

3. **Third Touch:** Changes the lamp to the **High** light setting.
4. **Fourth Touch:** Turns the lamp **OFF**.

The cycle repeats with subsequent touches. Ensure you are touching the designated conductive part of the lamp connected to the yellow sensor wire.



Image 6.1: A visual representation of a floor lamp alongside a circular logo indicating '3 Level Dimmer Control Lighting', emphasizing the ease of use and functionality of the Westek 6503HBLC.

7. Maintenance

- **Cleaning:** Ensure the lamp is unplugged before cleaning. Wipe the exterior of the lamp and any exposed parts of the dimmer with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.
- **Bulb Replacement:** Always unplug the lamp before replacing bulbs. Ensure replacement bulbs do not exceed the 300-Watt maximum rating and are compatible with dimmers.
- **Connection Check:** Periodically check wire connections within the lamp base to ensure they remain secure, especially if the lamp is frequently moved.

8. Troubleshooting

- **Lamp does not turn on or dim:**
  - Check if the lamp is securely plugged into a working outlet.

- Verify the light bulb is functional and correctly screwed in.
- Ensure all wire connections inside the lamp base are secure and correct according to the installation instructions.
- Confirm the yellow touch sensor wire is making good contact with a conductive part of the lamp.
- Ensure the bulb type is incandescent or halogen and does not exceed 300 Watts.

- **Dimmer only has one level or flickers:**
  - This may indicate an incompatible bulb type (e.g., non-dimmable LED/CFL). Replace with a compatible incandescent or halogen bulb.
  - Check for loose wiring connections.
- **Dimmer stops responding to touch:**
  - Unplug the lamp for a few minutes, then plug it back in to reset the dimmer.
  - Inspect the yellow touch sensor wire connection for corrosion or poor contact.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Westek website. Specific warranty terms and conditions may vary.

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