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Leviton DT102-1LW

Leviton DT102-1LW Countdown Timer Switch User Manual

Model: DT102-1LW | Brand: Leviton

Introduction

The Leviton DT102-1LW Countdown Timer Switch offers a convenient and energy-efficient solution for controlling household lights and exhaust fans. This device replaces traditional wall switches, allowing you to set specific operation durations (15 minutes, 30 minutes, 1 hour, or 2 hours) after which the connected load will automatically turn off. Its design accommodates installations without a neutral wire, making it versatile for various home wiring configurations. Ideal for bathrooms, garages, and other areas where automatic shut-off is desired, the DT102-1LW helps reduce energy consumption and enhances daily convenience.



This image displays the front of the Leviton DT102-1LW Countdown Timer Switch, highlighting its four preset time buttons: 15 minutes, 30 minutes, 1 hour, and 2 hours. The top section shows product specifications like 15A, 120VAC, 60Hz, and load ratings.

Safety Information

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **ALWAYS TURN OFF POWER** at the circuit breaker or fuse box before installing or servicing this device.
- Installation must be performed by a qualified electrician or a knowledgeable individual familiar with electrical wiring.
- Ensure all wiring connections are secure and comply with local and national electrical codes.
- A ground wire is required for proper installation and function of this device.
- Do not use with loads exceeding the specified ratings.

Package Contents

- Leviton DT102-1LW Countdown Timer Switch
- Wire Nuts (typically included)
- Instruction Sheet (this manual)

Specifications

Feature	Specification
Model Number	DT102-1LW
Operation Mode	Manual
Current Rating	15 Amps
Operating Voltage	120 Volts AC, 60Hz
Contact Type	Normally Open
Connector Type	Lead Terminal Wires
Terminal	Lead
Dimensions (L x W x H)	4.13 x 1.73 x 1.34 inches
Circuit Type	1-way (Single Pole)
Actuator Type	Push Button
Load Compatibility	600W LED/CFL, 1800W Incandescent/Halogen, 1200VA MLV/ELV/Fluorescent, ½ HP/9.8 Amp Fan/Motor, 15A Resistive



This image provides precise dimensions of the Leviton DT102-1LW Countdown Timer Switch, including its length (4.13 in), width (1.73 in), and depth (0.96 in), which are crucial for installation planning.

Installation

This section provides general installation guidelines. For detailed wiring diagrams and specific instructions, always refer to the included wiring guide or consult a qualified electrician.

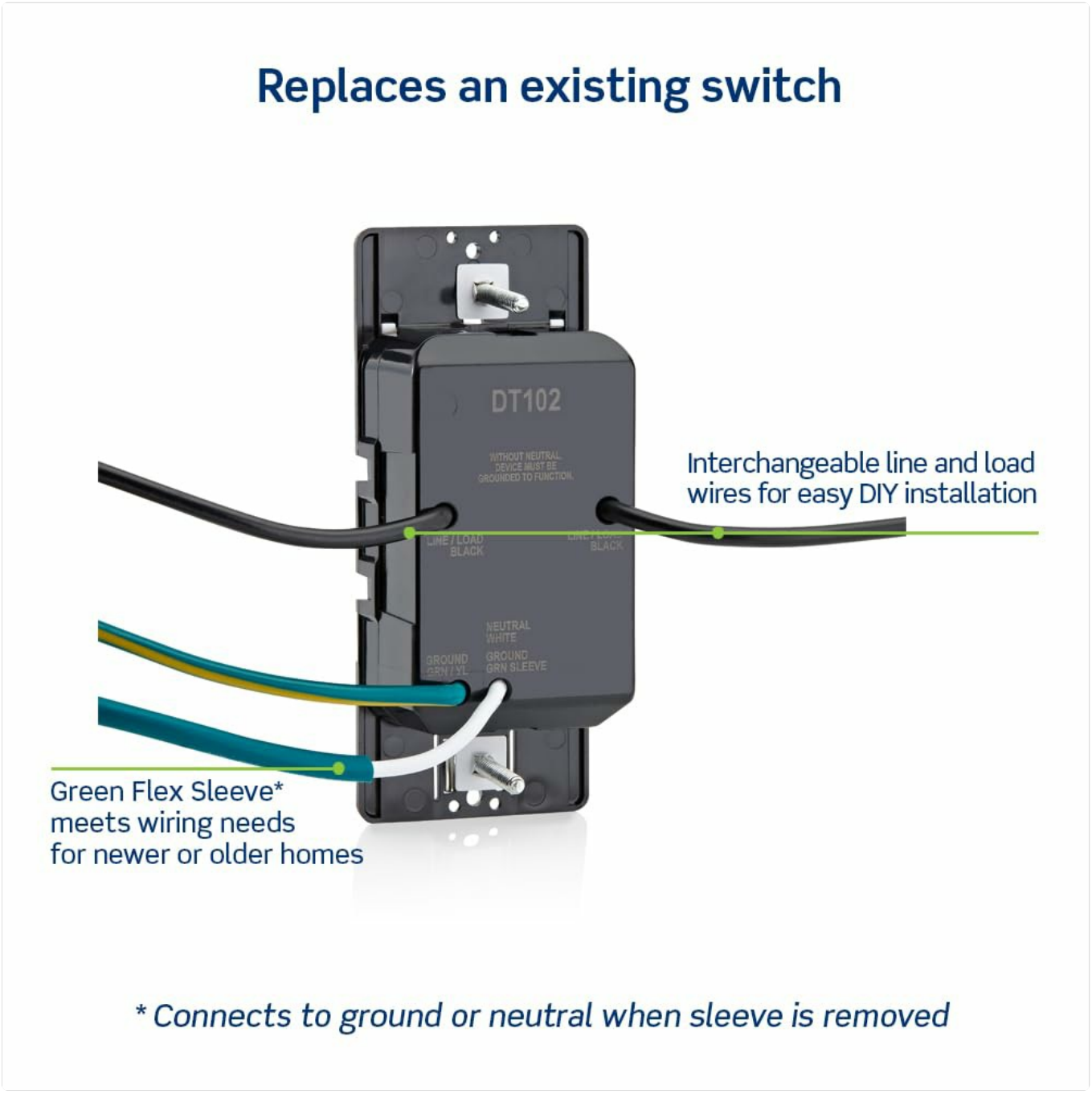
Pre-Installation Steps:

1. **Turn off power:** Locate the circuit breaker or fuse that controls the switch you are replacing and turn it OFF. Verify power is off using a voltage tester.
2. Remove the existing wall plate and switch from the wall box.
3. Carefully disconnect the wires from the existing switch, noting which wire was connected to which terminal.

Wiring the DT102-1LW:

The DT102-1LW is designed for single-pole applications and offers flexibility for installations with or without a neutral

wire.



This image illustrates the back of the timer switch, detailing the wiring connections. It highlights the interchangeable black line/load wires, the ground connection, and the innovative Green Flex Sleeve which allows connection to ground or neutral depending on the home's wiring.

- **Black Wires (Line/Load):** The two black wires on the DT102-1LW are interchangeable. Connect one black wire to the incoming hot (line) wire and the other black wire to the wire going to the light/fan (load). Use wire nuts to secure connections.
- **Green/Yellow Wire (Ground):** Connect the green/yellow wire from the timer switch to the bare copper or green insulated ground wire in the wall box. A ground connection is essential for the device to function correctly.
- **Green Flex Sleeve (Neutral/Ground Option):**
  - If a neutral wire is **NOT** present in your wall box, ensure the green flex sleeve remains on the white wire. Connect this white wire (with sleeve) to the ground wire in the wall box along with the green/yellow wire.
  - If a neutral wire **IS** present in your wall box, carefully remove the green flex sleeve from the white wire. Connect the white wire to the neutral wire in the wall box.



This image provides a detailed view of the timer switch with its wiring. Callouts indicate key features such as the removable faceplate for color changes, its shallow depth for easy installation, the function of pressing to turn off, and the locator LED that illuminates when the switch is off.

Final Steps:

1. Carefully push the wired switch into the wall box.
2. Secure the switch to the wall box using the provided screws.
3. Attach the new wall plate (not included with switch, sold separately as DTKIT faceplates).
4. Restore power at the circuit breaker or fuse box.



This image visually demonstrates the aesthetic and functional upgrade from a standard toggle light switch to the sleek, button-operated Leviton DT102-1LW Countdown Timer Switch.

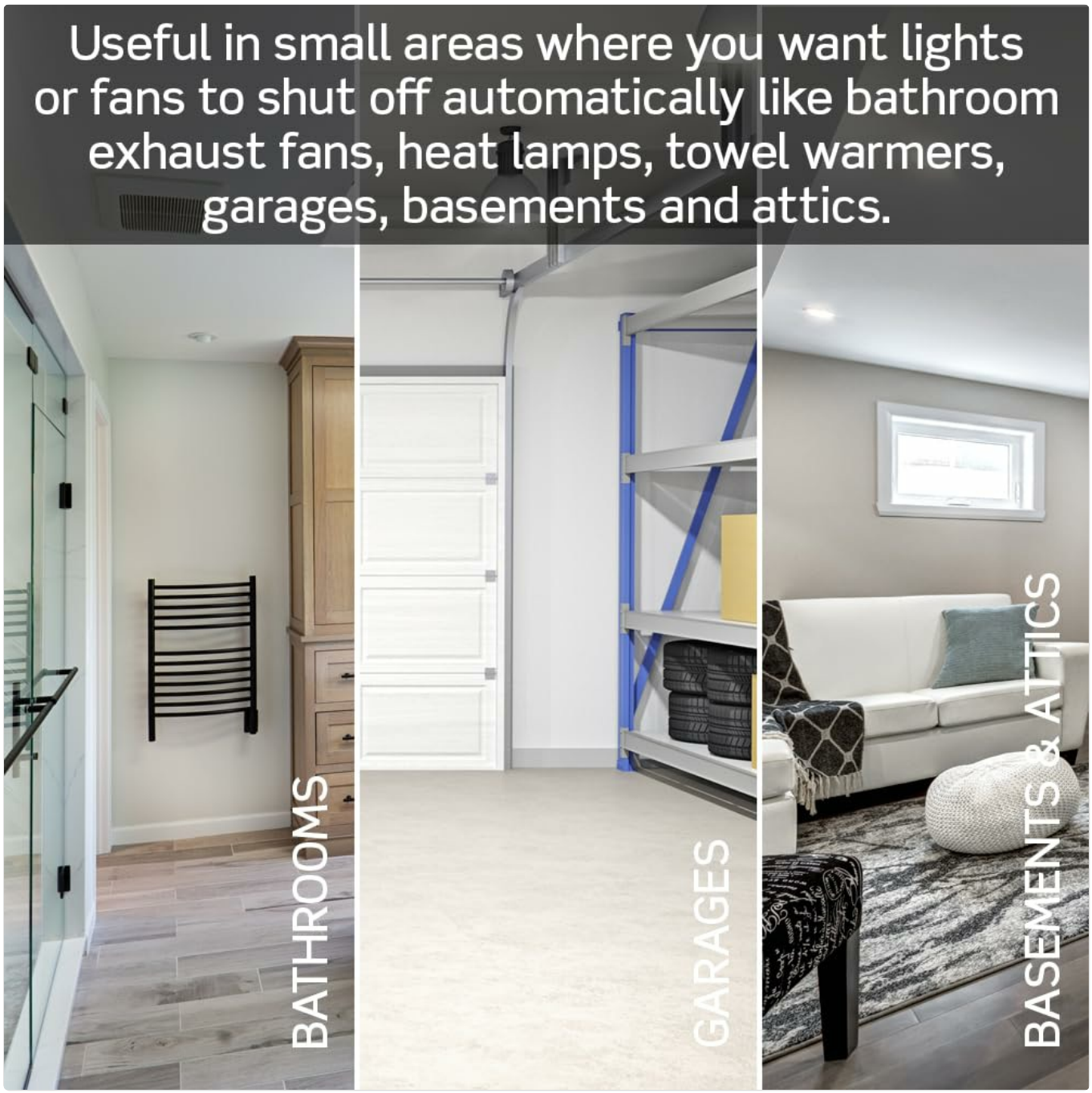
Operation

The DT102-1LW features intuitive push-button controls for easy operation.

- **Turning On/Setting Timer:** Press any of the four large buttons (15M, 30M, 1H, 2H) to turn on the connected light or fan for the corresponding duration. The device will automatically turn off when the set time expires.
- **Turning Off Manually:** To turn off the connected load before the timer expires, press the small button located at the bottom of the switch.
- **Timer Override:** To keep the light or fan on continuously, press and hold the top button (2H) for approximately 3 seconds. The locator LED will indicate continuous operation. To return to timer mode, press any of the time buttons.
- **Locator LED:** A small LED light on the switch illuminates when the connected load is OFF, making it easy to locate the switch in the dark.



This image visually explains the single-pole functionality of the timer switch, showing it connected to a light bulb, indicating its ability to control lighting from a single location.



This composite image showcases practical applications of the timer switch in various home environments, including bathrooms for exhaust fans, garages, and basements/attics, emphasizing its utility for automatically shutting off lights or fans in these spaces.

Maintenance

The Leviton DT102-1LW Countdown Timer Switch requires minimal maintenance.

- **Cleaning:** To clean the surface of the switch, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Faceplate Replacement:** The faceplate of the DT102-1LW is removable, allowing for easy color changes using Leviton DTKIT faceplates (sold separately). Simply snap off the existing faceplate and snap on the new one.



This diagram demonstrates the ease with which the timer switch's faceplate can be changed, allowing for customization with different DTKIT faceplate colors (white, ivory, light almond, gray, black, brown) to match decor.

Troubleshooting

If you experience issues with your DT102-1LW Countdown Timer Switch, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light/Fan does not turn on.	No power to the switch; incorrect wiring; faulty bulb/fan.	Check circuit breaker. Verify all wiring connections are secure and correct. Test the bulb/fan with another switch or power source.

Timer does not function or turns off immediately.	Missing or improper ground connection; incorrect load type.	Ensure the ground wire is properly connected. If no neutral wire is present, confirm the green flex sleeve is intact and connected to ground. Verify the connected load is within the specified ratings.
Switch feels warm.	Normal operation; overloaded circuit.	A slight warmth during operation is normal. If the switch is excessively hot, disconnect power immediately and check the load to ensure it does not exceed the switch's maximum rating.

Warranty and Support

For warranty information, technical assistance, or further support regarding your Leviton DT102-1LW Countdown Timer Switch, please contact Leviton customer service directly or visit the official Leviton website.

You can find more information and contact details at theLeviton Store on Amazon.

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