

HBN B0DHCPLG51

HBN 60-Minute Spring Wound Countdown Timer Switch User Manual

Model: B0DHCPLG51

1. INTRODUCTION

Thank you for choosing the HBN 60-Minute Spring Wound Countdown Timer Switch. This in-wall mechanical timer is designed to automatically turn off connected lights or appliances after a user-defined period, up to 60 minutes. It promotes energy efficiency by preventing devices from being left on unintentionally, making it ideal for various applications in homes, offices, and workshops.

Key Features:

- **Energy-Saving Automatic Shut-Off:** Automatically powers off devices after a set time, reducing energy waste.
- **Simple Operation:** Features a spring-wound twist mechanical knob for intuitive time setting.
- **Easy Installation:** No neutral wire required, simplifying the installation process in standard electrical boxes.
- **Versatile Applications:** Suitable for bathroom fans, lights, space heaters, and various small appliances.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Improper installation can lead to serious injury or death. Always turn off power at the circuit breaker before installation. If you are unsure about any part of these instructions, consult a qualified electrician.

- This device is intended for installation in accordance with the National Electrical Code and local regulations.
- Ensure the power supply is disconnected at the circuit breaker or fuse box before attempting installation or maintenance.
- Do not use this timer with devices that could cause hazardous conditions if left unattended, such as sunlamps, saunas, or similar equipment.
- The timer is ETL Listed, indicating compliance with recognized safety standards.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- HBN 60-Minute Spring Wound Countdown Timer Switch
- Wall Plate
- Wire Nuts (Connecting Terminals)
- Mounting Screws

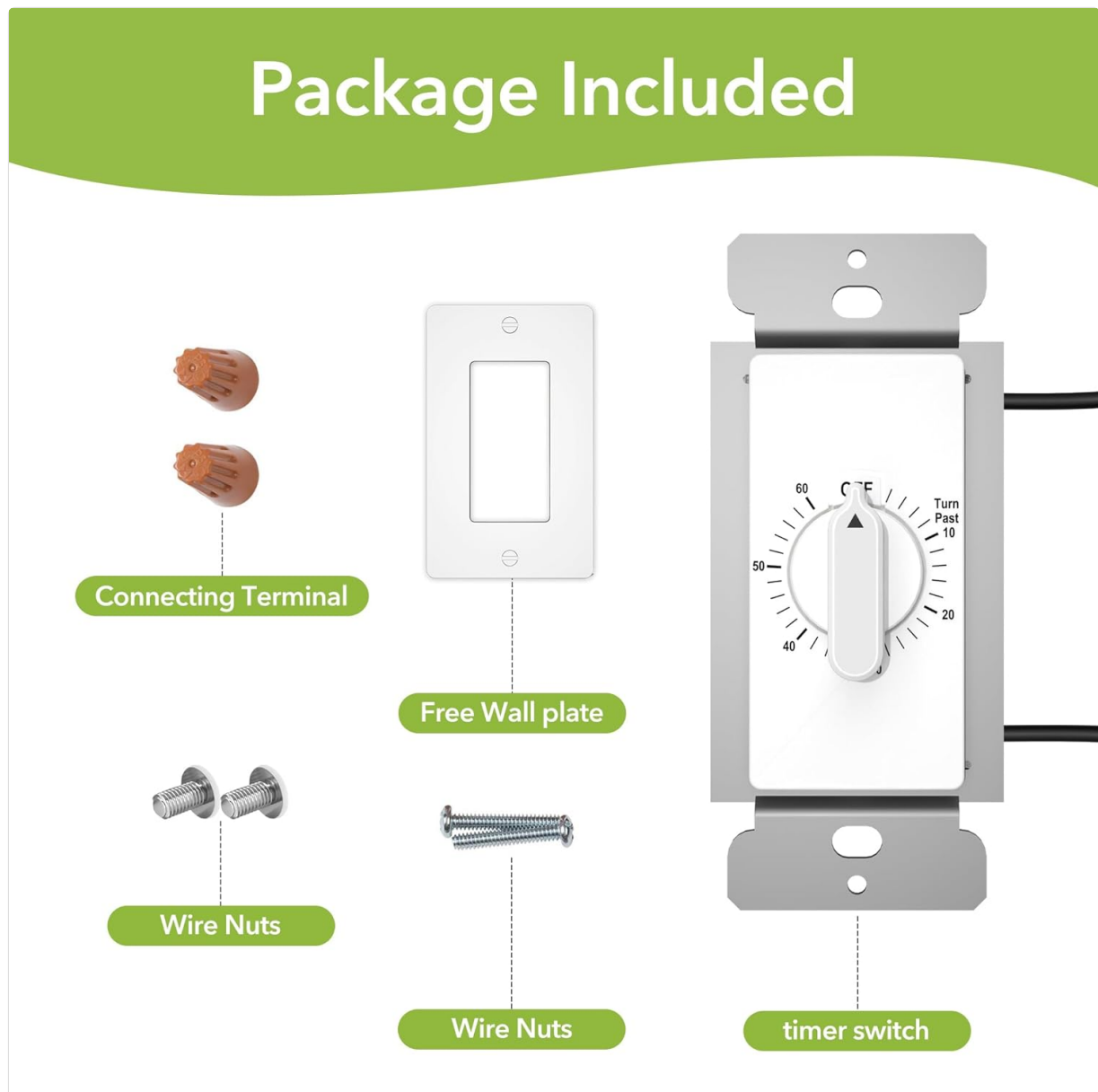


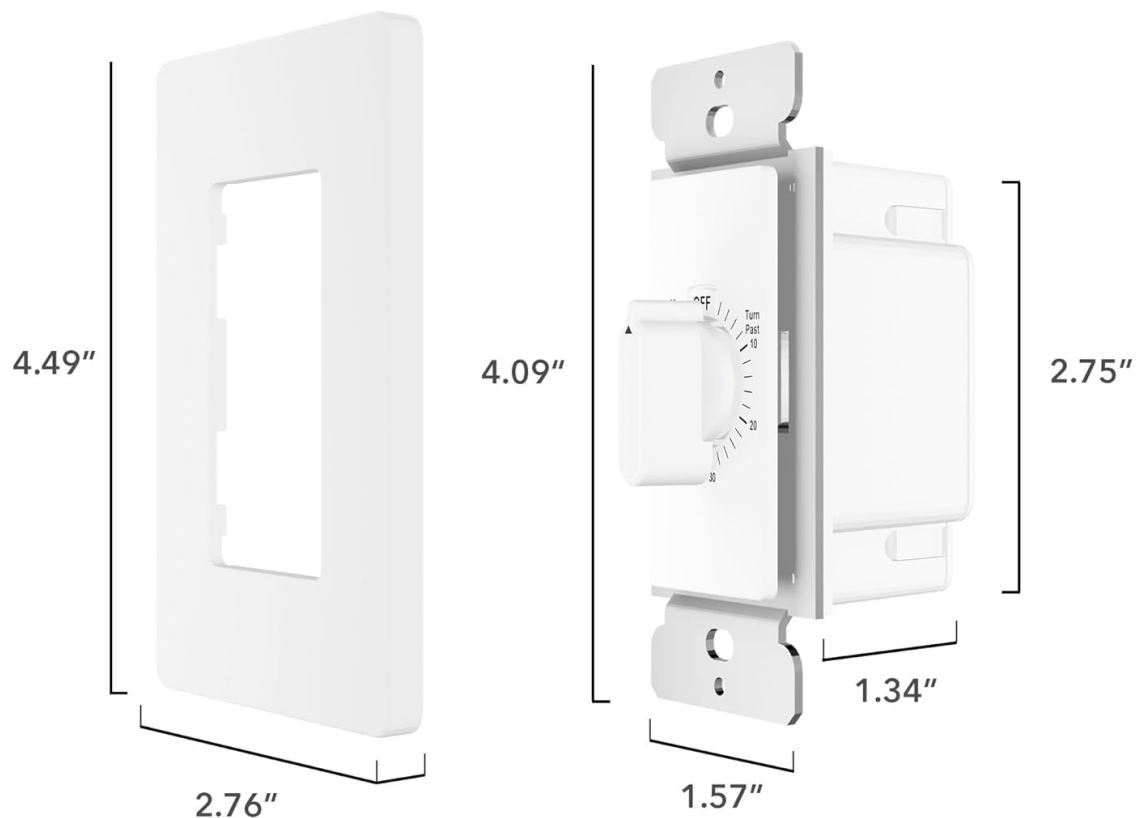
Image 3.1: Contents of the HBN 60-Minute Spring Wound Countdown Timer Switch package, including the timer switch, wall plate, wire nuts, and mounting screws.

4. SPECIFICATIONS

Parameter	Value
Model	B0DHCPLG51
Operation Mode	ON-OFF

Current Rating	20 Amps
Operating Voltage	125 Volts AC
Frequency	60 Hz
Resistive Load	20A / 2500W
Tungsten Load	8A / 1000W
Ballast Load	5A / 625W
Motor Load	1 HP
Circuit Type	1-way
Actuator Type	Rotary Knob
Certifications	ETL Listed
Product Dimensions (L x W x H)	4.09 x 1.57 x 1.34 inches
Weight	5.61 ounces

Size Details



5. INSTALLATION

This timer switch is designed for easy installation and does not require a neutral wire. It can replace most standard light switches.

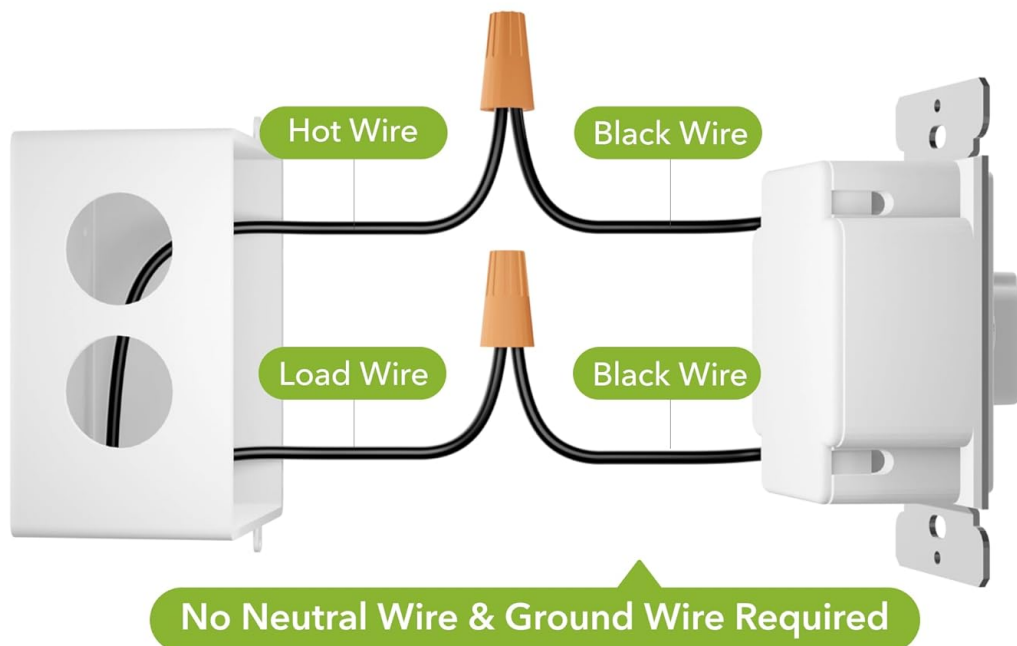
Tools Required:

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers (if needed)
- Electrical Tape (optional)
- Voltage Tester (recommended)

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker that controls the switch you are replacing and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Unscrew and carefully remove the existing wall plate and switch from the electrical box.
3. **Identify Wires:** The HBN timer switch requires two wires: a Hot wire and a Load wire. These are typically the two wires connected to your old switch. This timer does not require a neutral wire or a ground wire for operation.
4. **Connect Wires:** Using the provided wire nuts, connect the wires from the electrical box to the corresponding wires on the HBN timer switch.
 - Connect the **Hot** wire from the electrical box to one of the timer's wires.
 - Connect the **Load** wire (leading to the light/appliance) from the electrical box to the other timer wire.

Easy Installation & Reliable Quality



Rated **125V, 60 Hz, 20A/2500W** Resistive,
8A/1000W Tungsten, **5A/625W** Ballast 1 HP



Image 5.1: Wiring diagram illustrating the connection of the HBN timer switch to Hot and Load wires. No neutral or ground wire connection is required.

5. **Mount the Switch:** Carefully push the connected wires back into the electrical box. Secure the timer switch to the electrical box using the provided mounting screws.
6. **Install Wall Plate:** Attach the new wall plate over the timer switch and secure it with its screws.
7. **Restore Power:** Turn the power back ON at the circuit breaker.

Compatibility with Existing Wall Plates:

The HBN timer switch is designed to fit various standard wall plate configurations, including single-gang decorator, multi-gang standard, and decorator/toggle combination plates.

Universal Fit that Can Replace Current Switches



Image 5.2: Examples of how the HBN timer switch can be integrated into different wall plate setups, demonstrating its universal fit.

6. OPERATION

Operating the HBN 60-Minute Spring Wound Countdown Timer Switch is straightforward:

1. **Set the Timer:** To activate the timer, rotate the knob clockwise past the 10-minute mark, then turn it back counter-clockwise to your desired countdown duration (from 1 to 60 minutes). The device will remain ON for the set duration and then automatically turn OFF.
2. **Turn OFF Manually:** To turn off the connected device before the countdown completes, rotate the knob counter-clockwise until it reaches the "OFF" position.

Turn Dial Simply, Up to 60-Min Timer



Great for your lights, ceiling fans, exhaust fans, heaters and many other devices

Image 6.1: Illustration of turning the dial on the HBN timer switch to set the desired countdown time, up to 60 minutes.

Applications:

This timer is suitable for a wide range of applications, including:

- Bathroom exhaust fans
- Bedroom lights
- Closet lights
- Laundry room lighting
- Space heaters (within specified load limits)
- Aquarium lights
- Other small appliances



Image 6.2: Visual examples of the HBN timer switch being used in various household settings such as bathrooms, living rooms, laundry rooms, and closets.

7. MAINTENANCE

The HBN 60-Minute Spring Wound Countdown Timer Switch requires minimal maintenance.

- **Cleaning:** To clean the switch and wall plate, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Periodically inspect the switch for any signs of damage or loose connections. If any issues are found, turn off power and address them immediately.
- **Avoid Moisture:** Do not expose the switch to excessive moisture or direct water spray.

8. TROUBLESHOOTING

If you encounter issues with your HBN timer switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Device does not turn ON or OFF.	No power to the switch; incorrect wiring; faulty switch.	Check circuit breaker. Verify wiring connections are secure and correct (Hot and Load). If issues persist, the switch may be faulty.
Timer does not count down or stops prematurely.	Timer not wound sufficiently; internal mechanism issue.	Ensure the knob is rotated clockwise past the 10-minute mark before setting the desired time. If the problem continues, contact support.
Timer turns OFF but then restarts or does not stay OFF when set to 'OFF'.	Knob not fully rotated to the 'OFF' position; internal mechanism issue.	Ensure the knob is firmly rotated counter-clockwise to the designated 'OFF' position. The timer should not tick when in the 'OFF' position. If it continues to tick or restart, contact support.
Loud ticking sound during operation.	Normal operation for a mechanical spring-wound timer.	A slight ticking sound is characteristic of mechanical timers as the spring unwinds. This is generally not an indication of a fault.



9. WARRANTY AND SUPPORT

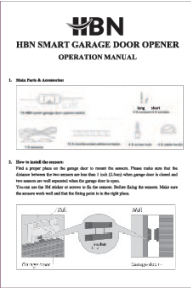

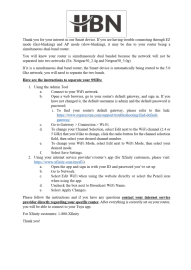

HBN products are designed for reliability and performance. For specific warranty details, please refer to the documentation included with your purchase or visit the official HBN website.

If you have any questions, require technical assistance, or experience issues not covered in this manual, please contact HBN customer support. Contact information is typically available on the product packaging or the official HBN website.

© 2025 HBN. All rights reserved.

Related Documents - B0DHCPLG51

 <p>HBN PRODUCT # BNC-60/U205R SENSING COUNTDOWN TIMER REMOTE CONTROL 2-OUTLET</p> <p>ENERGY SAVING</p> <p>Please keep this manual www.hbn-usa.com</p>	<p>HBN BNC-60/U205R Sensing Countdown Timer Remote Control 2-Outlet User Manual</p> <p>User manual for the HBN BNC-60/U205R Sensing Countdown Timer Remote Control with two outlets. Includes safety information, installation instructions, operating modes, pairing, remote control usage, troubleshooting, and warranty details.</p>
 <p>HBN PRODUCT # CP-U152R-1-3 WIRELESS REMOTE CONTROL SOCKET</p> <p>ENERGY SAVING</p> <p>Please keep this manual www.hbn-usa.com</p>	<p>HBN Wireless Remote Control Socket CP-U152R-1-3 User Manual</p> <p>User manual for the HBN Wireless Remote Control Socket (Model CP-U152R-1-3), detailing features, setup, programming, troubleshooting, and warranty information for convenient remote control of appliances.</p>

	<p>HBN Smart Garage Door Opener Operation Manual BNQ-40 Installation and Features</p> <p>Comprehensive operation manual for the HBN Smart Garage Door Opener (model BNQ-40), detailing installation, wiring, app control, and features. Learn how to enhance your garage security and convenience with smart home integration.</p>
	<p>HBN Smart Plug User Guide and Setup</p> <p>A comprehensive guide to setting up and using the HBN Smart Plug with the Smart Life app and Amazon Alexa. Learn how to connect, control, and manage your smart devices.</p>
	<p>HBN Smart Device Connection Troubleshooting: Separating Router SSIDs</p> <p>Troubleshoot HBN Smart device connection issues by separating dual-band router SSIDs. This guide provides step-by-step instructions using router admin tools or internet service provider apps.</p>
	<p>HBN 6-Outlet Outdoor Wi-Fi Smart Yard Stake: User Guide & Setup</p> <p>Detailed user guide for the HBN 6-Outlet Outdoor Wi-Fi Smart Yard Stake. Covers installation, Wi-Fi connection (2.4GHz), app setup (HBN Smart), voice assistant integration (Alexa, Google Home), device sharing, troubleshooting, and safety information. Model U13WT.</p>