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› LIDER 2-Hour Countdown Timer Switch LTS-2H-LAWP2P Instruction Manual

LIDER LTS-2H-LAWP2P

LIDER 2-Hour Countdown Timer Switch LTS-2H-LAWP2P Instruction Manual

Model: LTS-2H-LAWP2P

1. PRODUCT OVERVIEW

The LIDER 2-Hour Countdown Timer Switch is designed to automatically turn off connected loads after a preset time, promoting energy savings and convenience. It is suitable for controlling various electrical devices such as lights, ceiling fans, bathroom fans, and heaters.

Product Overview

LED Indicator Progress Bar

Flashes every couple of seconds ①

Always ON ②

Press & hold the top 2 buttons 7 seconds to switch LED Modes ③

Manual ON/OFF

Press ON once to begin the last timer setting. ①

Hold ON for 8 seconds to override the timer and keep the load on. ②



Image 1: Front view of the LIDER 2-Hour Countdown Timer Switch, highlighting the time selection buttons and LED indicators.

Key Features:

- **Automatic Shut-off:** Turns off connected loads automatically after a set countdown, preventing accidental energy waste.
- **Multiple Time Options:** Offers six preset countdown durations: 5 minutes, 10 minutes, 20 minutes, 30 minutes, 1 hour, and 2 hours.
- **Manual Control:** Includes a manual ON/OFF button to override the timer function.
- **LED Indicators:** Blue LED lights indicate the selected countdown time and can operate in two modes: flashing to show remaining time (default) or staying continuously ON during the delay.
- **Compatibility:** Ideal for lights, ceiling fans, bathroom fans, heaters, and other commonly forgotten appliances.
- **Neutral Wire Required:** Installation requires a neutral wire and a ground wire.

2. SAFETY INFORMATION

Before beginning installation, read all instructions carefully. Improper installation can lead to electrical shock or

fire. It is recommended that a qualified electrician perform the installation.

- **TURN OFF POWER:** Always turn off power at the circuit breaker or fuse box before wiring.
- **Verify Wiring:** Ensure your wall box contains both a hot wire, a load wire, a neutral wire, and a ground wire. This timer requires a neutral wire for proper operation.
- **Voltage and Load:** Do not exceed the specified electrical ratings: 120VAC, 60Hz, 1200W, 15A, 1200VA, 1/2HP motor.
- **Indoor Use Only:** This device is intended for indoor use only.
- **Not for 3-Way Applications:** This timer is not designed for use in 3-way applications where multiple switches control the same load.

3. PACKAGE CONTENTS

- LIDER 2-Hour Countdown Timer Switch (2 units)
- LIDER Wall Plate LWP-31M-LA (2 units)
- Mounting Screws
- Wire Nuts

4. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install your LIDER Countdown Timer Switch.

1. **Turn Off Power:** At the circuit breaker or fuse box, turn off the power to the switch location. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the existing wall plate and switch from the wall box. Disconnect the wires from the old switch.
3. **Identify Wires:** Identify the following wires in your wall box:
 - **Hot Wire (Line):** Typically black, carries power from the circuit breaker.
 - **Load Wire:** Typically black or red, carries power to the light or fan.
 - **Neutral Wire:** Typically white, required for this timer.
 - **Ground Wire:** Typically bare copper or green.
4. **Connect Wires:** Connect the wires from the LIDER timer switch to the corresponding wires in the wall box using wire nuts. The LIDER timer switch uses screw terminals for secure connections.
 - Connect the **black wire** from the timer to the **Hot (Line) wire** from the wall box.
 - Connect the **red wire** from the timer to the **Load wire** from the wall box.
 - Connect the **white wire** from the timer to the **Neutral wire** from the wall box.
 - Connect the **green wire** from the timer to the **Ground wire** from the wall box.



Image 2: Detailed wiring diagram for the LIDER Timer Switch.



Image 3: Back view of the LIDER Timer Switch, emphasizing the neutral wire requirement and screw terminals.

5. **Mount the Switch:** Carefully fold the wires and push the timer switch into the wall box. Secure it with the provided mounting screws.
6. **Attach Wall Plate:** Install the LIDER wall plate over the timer switch and secure it with the provided screws.
7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

Installation Video Reference:

Your browser does not support the video tag.

Video 1: This video demonstrates the general installation process for a neutral-wire required countdown timer switch. While the specific brand may differ, the wiring principles are applicable.

5. OPERATING INSTRUCTIONS

The LIDER Countdown Timer Switch offers simple operation for controlling your devices.

Setting the Countdown Timer:

- Press any of the six countdown buttons (5 min, 10 min, 20 min, 30 min, 1 hour, 2 hours) to activate the

timer for the selected duration.

- The blue LED indicator corresponding to your selection will illuminate.
- The connected load will turn ON and remain ON for the set time, then automatically turn OFF.

Manual ON/OFF Override:

- To manually turn the load ON and bypass the timer, press the large manual ON/OFF button once.
- To manually turn the load OFF, press the large manual ON/OFF button again.

LED Indicator Modes:

The blue LED indicators have two modes:

- **Mode 1 (Default):** The LED flashes every couple of seconds to visually display the remaining countdown time.
- **Mode 2:** The LED stays continuously ON during the selected time delay and then shuts OFF.

To switch between LED modes:

1. Ensure the switch is ON.
2. Press and hold the top two countdown buttons (5 Min and 10 Min) simultaneously for 7 seconds.
3. The LED indicator will flash 3 times to confirm the mode change.

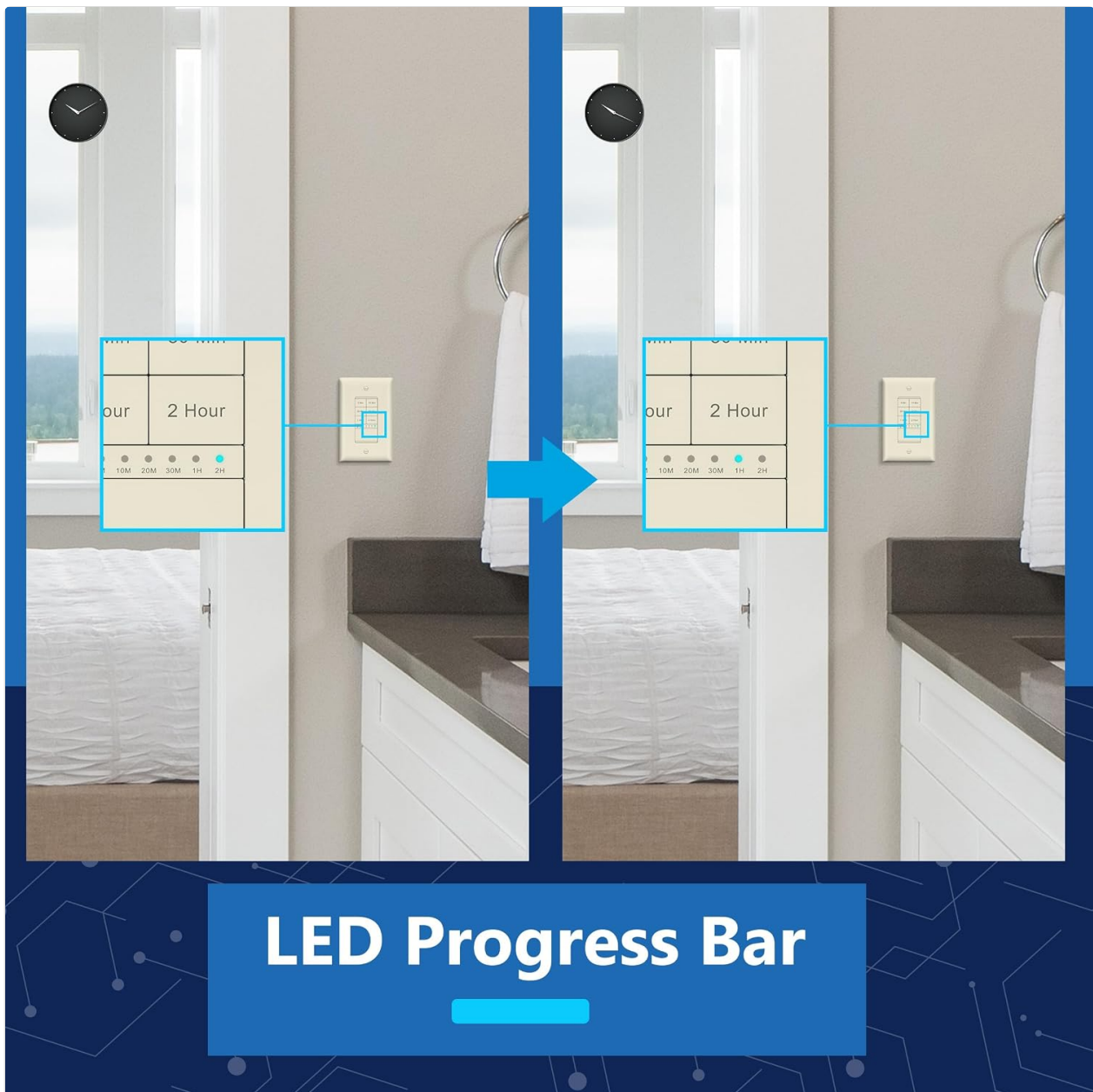


Image 4: The LED progress bar on the LIDER Timer Switch, indicating the countdown status.

6. MAINTENANCE

The LIDER Countdown Timer Switch requires minimal maintenance. To ensure longevity and proper function:

- **Cleaning:** Clean the surface of the switch and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Regular Checks:** Periodically check the switch for any signs of damage or loose connections. If any issues are found, turn off power at the breaker and consult a qualified electrician.
- **Avoid Overloading:** Ensure that the connected load does not exceed the maximum wattage or amperage ratings of the switch.

7. TROUBLESHOOTING

If you experience issues with your LIDER Countdown Timer Switch, refer to the following common solutions:

- **Switch Not Responding:**

- Check the circuit breaker to ensure power is ON.
- Verify all wire connections are secure. Turn off power at the breaker before checking connections.
- **Load Does Not Turn Off After Countdown:**
 - Ensure the correct countdown button was pressed.
 - If the manual ON/OFF button was used to override the timer, the load will remain ON until manually turned OFF.
- **LED Indicator Behavior:**
 - If LEDs are not behaving as expected, check the LED mode setting (Mode 1: flashing, Mode 2: always ON). Refer to the "LED Indicator Modes" section to change the setting.
- **Intermittent Operation:**
 - Ensure the load connected does not exceed the maximum ratings of the switch. Overloading can cause erratic behavior or damage.
 - Confirm that a neutral wire is properly connected, as it is required for stable operation.

8. SPECIFICATIONS

Operation Mode	MANUAL-AUTOMATIC
Current Rating	15 Amps
Operating Voltage	120 Volts (AC)
Wattage	1200 watts
Horsepower	1/2 HP motor
Frequency	60Hz
Contact Type	Normally Open
Connector Type	Screw Terminals
Circuit Type	2 single-pole
Actuator Type	Push Button
Contact Material	Copper, Brass
Operating Temperature	32°F to 131°F
Certifications	UL Listed
Color	Light Almond
Model Number	LTS-2H-LAWP2P
UPC	883951850340

9. WARRANTY

The LIDER 2-Hour Countdown Timer Switch comes with a **1-year warranty** from the date of purchase. This

warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact LIDER customer support. Refer to the product packaging or the LIDER official website for the most current contact information.

Manufacturer: LIDER ELECTRIC INC