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> LIDER Programmable Digital Timer Switch (Model LTS-7D-G-LAWP) User Manual

LIDER LTS-7D-G-LAWP

LIDER Programmable Digital Timer Switch User Manual

Model: LTS-7D-G-LAWP

INTRODUCTION

The LIDER Programmable Digital Timer Switch provides automated control for indoor and outdoor lighting, fans, and motors. This 7-day timer offers up to 18 ON/OFF settings, enhancing energy efficiency and home security. It is designed for 1-pole applications and does not require a neutral wire, making it suitable for various electrical installations. This manual provides detailed instructions for installation, setup, operation, and troubleshooting.

SAFETY INFORMATION

WARNING: To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that the power is off before wiring. This device must be installed in accordance with all national and local electrical codes.

- Always turn off power at the circuit breaker before installation or servicing.
- A ground wire is required for proper operation and safety.
- Do not use with appliances that could cause dangerous conditions if activated unexpectedly (e.g., sunlamps, saunas, heaters).
- Ensure the total bulb wattage exceeds 5W for proper operation.
- GFCI/AFCI circuits might disrupt normal timer operation. Verify compatibility if present.

PACKAGE CONTENTS

- LIDER Programmable Digital Timer Switch
- Wall Plate
- Wire Nuts
- Instruction Manual

SPECIFICATIONS

Model	LTS-7D-G-LAWP
Voltage	120V, 60Hz
Resistive Load	15A
Tungsten Load	1200W
Ballast Load	1200W
Motor Load	1/2 HP
Number of Settings	18 ON/OFF programs
Wiring	1-Pole, No Neutral Wire Required, Ground Wire Required
Material	Polycarbonate Thermoplastic
Certifications	UL Listed

INSTALLATION

Follow these steps for safe and correct installation of your LIDER Digital Timer Switch.

1. **Turn Off Power:** Locate the circuit breaker or fuse box controlling the switch you are replacing. Turn off the power completely. Verify the power is off using a voltage tester.
2. **Prepare Wiring:** This timer switch requires a Line (Hot), Load, and Ground connection. It does not require a neutral wire. Identify these wires in your electrical box. The timer has three pigtail leads: Black (Hot), Red (Load), and Green (Ground).
3. **Connect Wires:** Use the provided wire nuts to connect the timer's wires to your household wiring:
 - Connect the timer's **Black** wire to the **Line (Hot)** wire from your electrical box.
 - Connect the timer's **Red** wire to the **Load** wire (leading to the light/fan).
 - Connect the timer's **Green** wire to the **Ground** wire in your electrical box.

Important: Ensure the Line (Hot) and Load wires are connected correctly. Reversing them will prevent the timer from functioning.



Image: Wiring diagram for the LIDER timer switch, illustrating connections for Hot (Black), Load (Red), and Ground wires.

4. **Mount the Timer:** Carefully push the wired timer into the electrical box. Secure it with the mounting screws. Attach

the wall plate.

5. **Restore Power & Warm-Up:** Turn the power back on at the circuit breaker. The timer requires a warm-up period of approximately 1-2 minutes after installation before the display activates. Do not be alarmed if the screen remains blank initially.

Step 1: Preparation

Check The Circuit



Verify
if **GFCI/AFCI** are Present

GFCI Circuits Might Disrupt Normal



Lamp Power

Ensure The Total Bulb Wattage Exceeds 5W

Step 2: Install Timer

Proper Timer Installation



1.41-Inch Thickness

Step 3: Warm-Up

The Device Requires Warm-Up
(Typically <2 Minutes)



The Other Troubleshooting

Q : Why Does the Timer Switch Show No Response After Installation?

A1: Line (Hot) and Load Wires Are Reversed

A2: Ensure the Ground Wire Is Securely Connected to the Switch or the Junction Box's Grounding Screw

A3: Check If the Light Fixture Is Faulty

Image: Visual guide showing installation steps and the warm-up process for the timer switch.

This timer is ideal for homes built before the mid-1980s that may lack a neutral wire in the switch box.

No Neutral Wire Required

Ideal for homes built before the mid-80s



Image: The LIDER timer switch installed in a residential setting, emphasizing its 'No Neutral Wire Required' feature.

INITIAL SETUP

After the warm-up period, the display will show the current time and day. If not, you may need to set them.

Switch Between AUTO (timer) and MANUAL

Open the cover to access manual buttons



Image: The LIDER timer switch with its protective cover open, revealing the programming buttons.



Image: A detailed diagram labeling each button on the LIDER timer switch and its corresponding function.

1. **Set Current Time:** Press the **HOURL** button to adjust the hour and the**MIN** button to adjust the minute. Hold the buttons for faster adjustment.
2. **Set Current Day:** Press the **DAY** button to select the current day of the week.
3. **Daylight Saving Time (DST):** Press the **HOURL/DST** button to toggle DST on or off.

OPERATING INSTRUCTIONS

Programming ON/OFF Schedules

The timer allows for up to 18 ON/OFF programs per day. Each program consists of an ON time and an OFF time.

1. Press the **PROG** button to enter programming mode. The display will show '1 ON'.
2. Use the **HOURL** and **MIN** buttons to set the desired ON time for program 1.
3. Press the **DAY** button to select the day(s) of the week for this program. You can choose individual days, weekdays, weekends, or all 7 days.
4. Press **PROG** again. The display will show '1 OFF'. Set the desired OFF time for program 1 using**HOURL**, **MIN**, and **DAY** buttons.
5. Repeat steps 2-4 for additional programs (2 ON/OFF through 18 ON/OFF).
6. To exit programming mode, press the**MODE/RCL** button. The timer will return to normal operation.

Manual Override

To temporarily override the programmed schedule, press the**MAN** button. This will cycle through ON, OFF, and AUTO modes. In AUTO mode, the timer follows the programmed schedule.

Random Mode for Security

The random mode feature can deter intruders by turning lights on and off at varying, unpredictable times when you are away.

1. To activate random mode, press the**MIN/RND** button. The display will show 'RND'.
2. In random mode, the timer will turn connected devices ON and OFF randomly within a set time window around your programmed schedules.
3. To deactivate random mode, press the**MIN/RND** button again.

The LIDER timer switch offers versatile control for various applications, including porch lights, patio lighting, fans, and even automated aquarium lighting.



Perfect for Controlling Porch Lights

Image: Timer switch controlling porch lights.



Ideal for Patio

Lighting and Fan control

Image: Timer switch controlling patio lighting.

Automated Aquarium Lighting

Schedules keep your aquarium well lit



Image: Timer switch automating aquarium lighting.

MAINTENANCE

The LIDER Digital Timer Switch is designed for minimal maintenance. To ensure longevity and proper function:

- Clean the surface with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Do not attempt to open or repair the device. Refer servicing to qualified personnel.
- The internal battery (for timekeeping during power outages) is not user-replaceable.

TROUBLESHOOTING

Common Issues and Solutions

- **Timer Switch Shows No Response After Installation (Blank Screen):**
 - Ensure Line (Hot) and Load wires are not reversed. Correct wiring is crucial.
 - Verify the ground wire is securely connected to the switch or the junction box's grounding screw.

- Check if the light fixture or connected device is faulty.
- Allow 1-2 minutes for the device to warm up after power restoration.

- **Lights/Fans Do Not Turn ON/OFF According to Schedule:**

- Ensure the timer is in AUTO mode (not Manual ON or Manual OFF).
- Review your programmed schedules for correct ON/OFF times and selected days.
- Check if the current time and day are set correctly on the timer.
- Deactivate Random Mode if it's causing unexpected variations.

- **Buttons Are Unresponsive:**

- Perform a soft reset by pressing the recessed **RESET** button (usually requires a small pointed object like a paperclip). This will clear all settings, and you will need to reprogram the timer.

WARRANTY AND SUPPORT

LIDER products typically come with a standard 1-year warranty from the date of purchase. For potential warranty extension to 2 years, please refer to the product packaging or LIDER's official website for specific instructions and requirements, usually involving registration within 90 days of purchase.

For technical support, warranty claims, or further assistance, please contact LIDER customer service through their official website or the contact information provided with your product packaging.

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