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DEWENWILS SHOSL02B

DEWENWILS 60W Low Voltage Landscape Transformer User Manual

Model: SHOSL02B

1. Introduction

Thank you for choosing the DEWENWILS 60W Low Voltage Landscape Transformer. This manual provides detailed instructions for the safe and efficient operation of your new landscape lighting transformer. Please read this manual thoroughly before installation and use, and retain it for future reference.
This transformer is designed to convert 120V AC household voltage to a safer 12V AC low voltage, suitable for various outdoor lighting applications such as spotlights, pathway lights, and garden lights. It features a built-in photocell sensor for automatic dusk-to-dawn operation and multiple countdown timer settings.

2. Important Safety Instructions

WARNING: To reduce the risk of fire or injury to persons, read these instructions carefully.

- Do not immerse transformer in water.
- Do not connect two or more power supplies in parallel.
- Do not use with dimmers.
- Ensure the total wattage of connected lights does not exceed 80% of the transformer's capacity (e.g., 48W for a 60W transformer).
- Always disconnect power before servicing or making adjustments.
- Install the transformer in a well-ventilated area, away from direct sunlight and heat sources.
- This transformer is designed for outdoor use and is weatherproof, but avoid direct water spray onto the unit.
- The transformer features an automatic circuit breaker for overheat protection. If the operating temperature exceeds 115°F (46°C), it will automatically cut off power.

3. Product Specifications

Feature	Detail
Model Number	SHOSL02B
Input Voltage	120V AC, 60Hz
Output Voltage	12V AC
Maximum Power	60W
Dimensions	2.6"D x 3.5"W x 4.7"H
Weight	3.2 Pounds
Cable Length	3.3 ft (SJTOW 18AWG 3/C Heavy Duty Cord)
Certifications	UL Listed
Features	Built-in Photocell Sensor, 4H/6H/8H Countdown Timer, Automatic Circuit Breaker, Weatherproof Body

4. Package Contents

- DEWENWILS 60W Low Voltage Landscape Transformer (Model: SHOSL02B)
- User Manual

5. Setup and Installation

Follow these steps for proper installation of your landscape transformer:

1. ### 5.1 Mounting the Transformer

   The transformer is designed for wall mounting. Choose a suitable outdoor location near a 120V AC power outlet, ensuring it is protected from direct heavy rain or standing water. Use the built-in hanging hole for secure installation.



Image: Front view of the DEWENWILS 60W Low Voltage Landscape Transformer with its power plug. The transformer is black with a small sensor on the front and a hanging hole at the top. The power cord extends from the bottom.



Image: A diagram illustrating the dimensions of the transformer (4.7cm height, 3.5cm width, 2.6cm depth) and the 3.3ft heavy-duty power cord with a polarized plug.



Image: A four-panel close-up showing key features: the mounting hole at the top, the timer switch (8H, 6H, 4H, AUTO) on the side, the terminal clamping plate for connecting low voltage wires, and the polarized plug.

2. ## 5.2 Connecting Landscape Lights

Before connecting, ensure the total wattage of your landscape lights does not exceed 80% of the transformer's 60W capacity (48W). Connect your low voltage landscape lighting wires to the terminal blocks on the transformer. Ensure a secure connection to prevent power loss or flickering.



Image: A diagram illustrating the conversion from 120V AC input to 12V AC output, highlighting the maximum power of 60W and the automatic circuit breaker. It also shows examples of light quantities for different wattages.



Image: A two-step visual guide for installation. Step 1 shows connecting wires to the terminal blocks. Step 2 shows mounting the product on a wall using the hanging hole.

6. Operating Instructions

The DEWENWILS transformer offers automatic and countdown timer functions:



Image: A visual representation of the "AUTO & COUNTDOWN" features. It shows the transformer with a switch for 4h, 6h, 8h, and AUTO settings, indicating dusk-to-dawn operation or timed shut-off after dusk.

1. ## 6.1 AUTO (Dusk to Dawn) Mode

   Set the switch on the transformer to the "AUTO" position. The built-in photocell sensor will detect ambient light levels. Your landscape lighting will automatically turn on at dusk and turn off at dawn.



Image: A diagram illustrating the photocell sensor's function, showing how it automatically switches landscape lighting on at dusk and off at dawn based on light detection.



Image: A visual showing a spotlight turning OFF in daylight and ON at dusk, with text "AUTO = DUSK TO DAWN" and "The landscape lighting will turn on automatically at dusk and off at dawn."

2. ### 6.2 Countdown Timer Mode (4H/6H/8H)

   To use the countdown timer, set the switch to either "4H", "6H", or "8H". In this mode, the transformer will turn on at dusk and automatically turn off after the selected duration (4, 6, or 8 hours).

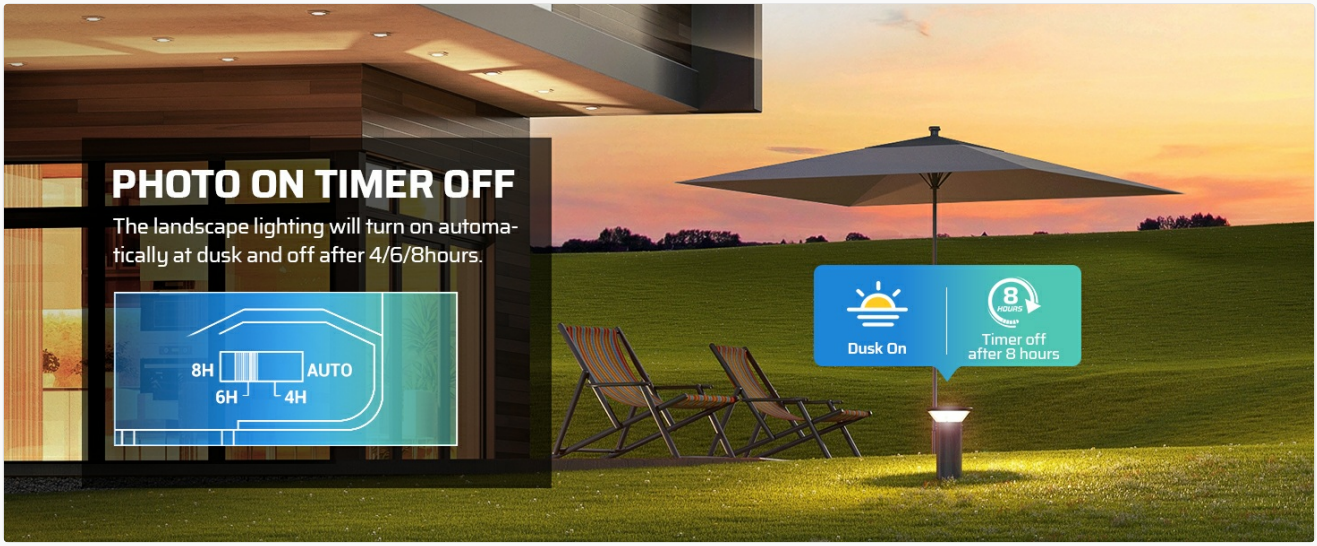


Image: A visual demonstrating the "PHOTO ON TIMER OFF" mode. It shows a light turning on at dusk and then turning off after a set time (e.g., 8 hours), with options for 4H, 6H, and 8H.

7. Maintenance

To ensure optimal performance and longevity of your DEWENWILS transformer:

- Regularly inspect the transformer and wiring for any signs of damage, wear, or corrosion.
- Keep the photocell sensor clean and free from obstructions (e.g., dirt, leaves) to ensure accurate dusk/dawn detection.
- Ensure the transformer is not covered or enclosed, allowing for proper ventilation.
- If the automatic circuit breaker trips, disconnect the power, check for overloaded circuits or short circuits in your lighting system, correct the issue, and then reconnect power.

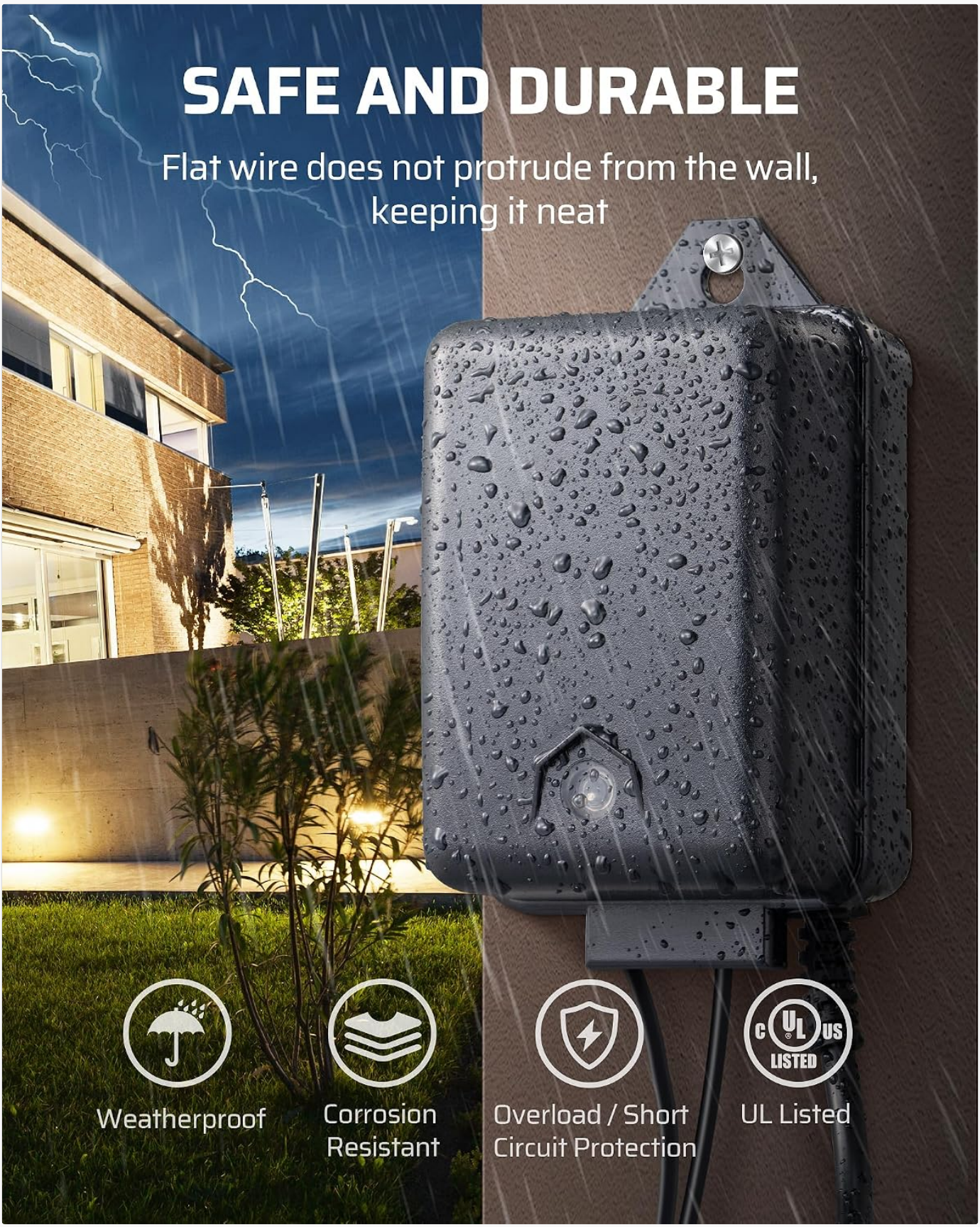


Image: A visual highlighting the "SAFE AND DURABLE" aspects of the transformer, showing it is weatherproof, corrosion resistant, and includes overload/short circuit protection. It also notes the flat wire design for neat installation.



Image: A series of images depicting the transformer's weather resistance against snow, sun, and rain, emphasizing its sturdy and durable construction to protect against dust and water splashes.

8. Troubleshooting

If you encounter issues with your DEWENWILS transformer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	◦ No power to the transformer. ◦ Photocell sensor obstructed or dirty. ◦ Overload or short circuit. ◦ Faulty wiring or connections. ◦ Lights are faulty.	◦ Check the power outlet and ensure the transformer is plugged in securely. ◦ Clean the photocell sensor. ◦ Reduce the total wattage of lights or check for short circuits in the landscape wiring. The automatic circuit breaker may have tripped. ◦ Inspect all wire connections for looseness or damage. ◦ Test individual lights to identify any faulty bulbs or fixtures.
Lights flicker or are dim.	◦ Overloaded circuit. ◦ Loose connections. ◦ Voltage drop due to long wire runs or insufficient wire gauge.	◦ Ensure total wattage is within 80% of transformer capacity. ◦ Tighten all wire connections. ◦ Use a heavier gauge wire for longer runs or reduce the number of lights.
Lights stay on constantly.	◦ Photocell sensor is covered or in a dark location. ◦ Timer setting is incorrect.	◦ Relocate the transformer or clear any obstructions from the photocell sensor. ◦ Verify the timer switch is set to the desired countdown (4H/6H/8H) or AUTO mode.

For further assistance, please contact DEWENWILS customer support.

Your browser does not support the video tag.

Video: A customer's video demonstrating issues with a landscape light timer, showing flickering lights and eventual failure. This video highlights common problems users might experience with landscape lighting systems, including the transformer.

9. Warranty Information

DEWENWILS products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official DEWENWILS website. Keep your purchase receipt as proof of purchase for warranty claims.
Protection plans are also available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan)

10. Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please contact DEWENWILS customer service through their official channels. You can often find contact information on the product packaging, the DEWENWILS brand store on Amazon, or their official website.
Visit the official DEWENWILS Store: DEWENWILS Amazon Store

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