DEWENWILS HSLT03A

DEWENWILS 150W Low Voltage Landscape Transformer User Manual

Model: HSLT03A

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your DEWENWILS 150W Low Voltage Landscape Transformer. Please read this manual thoroughly before use and retain it for future reference.

Product Overview

The DEWENWILS 150W Low Voltage Landscape Transformer is designed to convert standard 120V AC household voltage to a safe 12V/15V AC output, suitable for various low voltage landscape lighting applications. It features a built-in photocell sensor for automatic operation and a countdown timer function for energy efficiency.



Image 1.1: Front view of the DEWENWILS 150W Low Voltage Landscape Transformer.

Key Features

- **Safe & Compatible:** ETL listed, converts 120V AC to 12V/15V AC. Includes a 6ft SJTW 18AWG cord.
- **Easy Operation:** Simple button interface for mode selection (Always On, Auto, Countdown, Off).
- **Photocell Sensor:** Automatic dusk-to-dawn operation.
- **Countdown Timer:** Programmable shut-off after 1-9 hours from dusk.

- **Memory Function:** Retains last mode setting after power interruption.
- **Circuit Protection:** Built-in short-circuit protection to prevent damage.
- **Durable Construction:** Weatherproof and corrosion-resistant stainless steel housing.

2. Safety Information

WARNING: To reduce the risk of electric shock, fire, or injury to persons, read and follow all instructions carefully.

- Do not immerse the transformer in water.
- Do not connect two or more transformers in parallel.
- Ensure the total wattage of connected fixtures does not exceed the transformer's capacity (150W).
- Always disconnect power before installing or servicing.
- Use only with low voltage outdoor landscape lighting fixtures.
- Install the transformer at least 12 inches (30 cm) above ground level.
- Ensure all connections are secure and waterproof.

3. Setup and Installation

Package Contents

- 1 x DEWENWILS 150W Low Voltage Landscape Transformer
- User Manual

Mounting the Transformer

The transformer is designed for wall mounting. Select a suitable location that is at least 12 inches (30 cm) above ground level and protected from direct water spray if possible, although the unit is weatherproof.

1. Identify the two mounting holes on the back of the transformer.
2. Mark the desired mounting points on the wall.
3. Securely fasten the transformer to the wall using appropriate screws (not included) through the mounting holes.



Image 3.1: Illustration of mounting holes and wiring connection points.

Wiring Connections

The transformer provides 12V AC and 15V AC output terminals. Choose the appropriate voltage for your landscape lights. The 15V output is generally recommended for longer wire runs or LED fixtures to compensate for voltage drop.

1. Ensure the transformer is unplugged from the main power supply.
2. Strip approximately 1/2 inch (1.2 cm) of insulation from the ends of your low voltage landscape lighting wires.

3. Thread the wires through the cable clip at the bottom of the transformer.
4. Connect the wires to the desired 12V or 15V output terminals. Ensure a secure connection by tightening the terminal screws.
5. Connect the common (COM) wires to the COM terminals.
6. Verify all connections are tight and correct before plugging the transformer into a 120V AC outlet.



Image 3.2: Multi-output voltage options for optimal lighting performance.



Image 3.3: Overview of the transformer's input and output specifications.

4. Operating Instructions

The transformer features a simple control panel with UP/DOWN buttons to cycle through various operating modes. The current mode is indicated by a digital display.

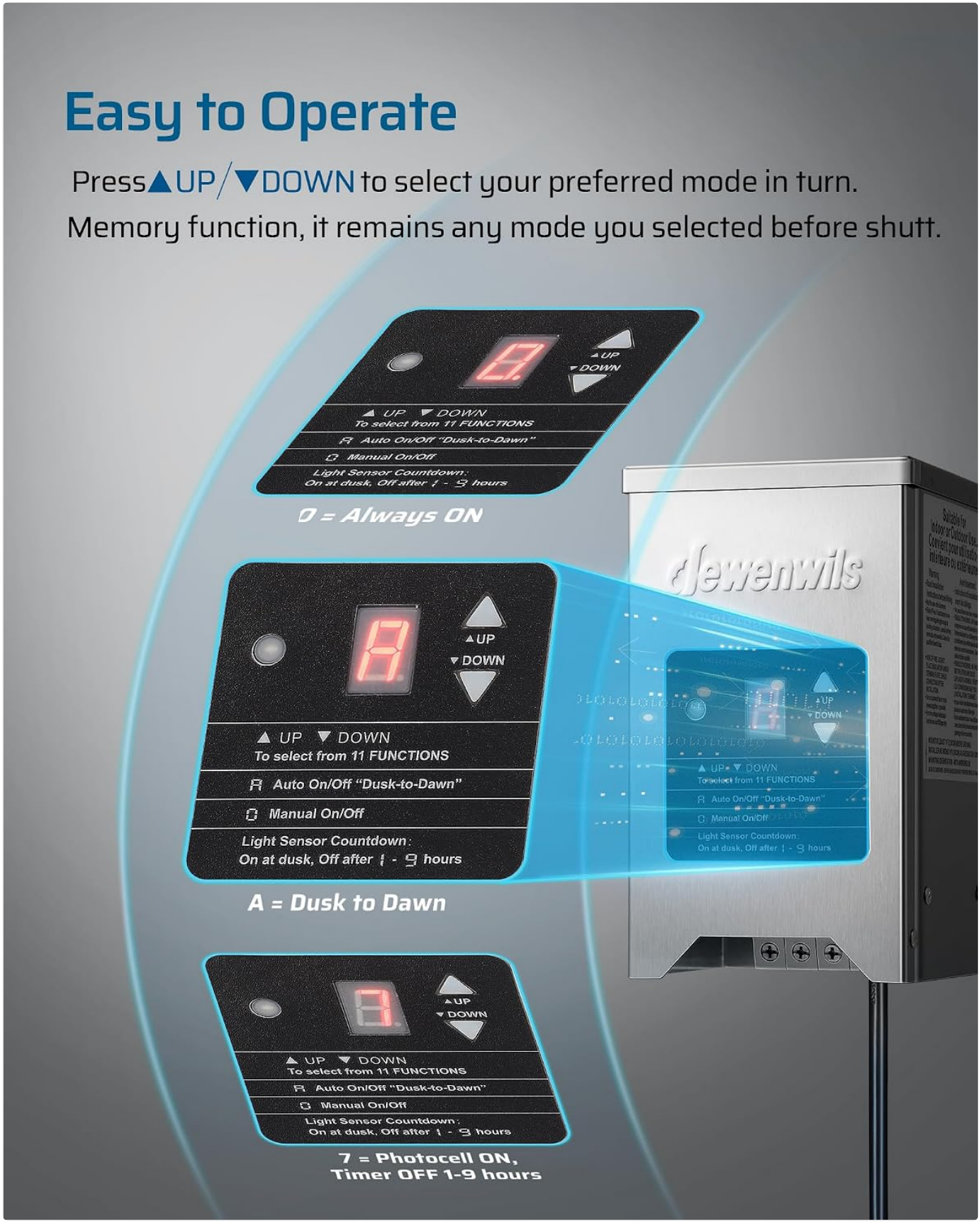


Image 4.1: Control panel with mode selection buttons.

Operating Modes

Press the **UP** or **DOWN** buttons to select from the following modes:

- **0 (Always ON):** The landscape lights will remain on continuously.
- **A (Auto On/Off "Dusk-to-Dawn"):** The built-in photocell sensor will automatically turn the lights on at dusk and off at dawn.

- **C (Manual On/Off):** Allows for manual control of the lights.
- **1-9 (Light Sensor Countdown):** The lights will turn on at dusk and automatically turn off after the selected number of hours (1 to 9 hours).



Image 4.2: Visual representation of photocell sensor operation.

Memory Function

The transformer is equipped with a memory function. In the event of a power outage, the unit will retain its last selected operating mode once power is restored, eliminating the need for re-programming.

5. Maintenance

The DEWENWILS Low Voltage Landscape Transformer is designed for durability and requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the transformer with a damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the power cord and low voltage wiring for any signs of damage, fraying, or loose connections. Address any issues promptly.
- **Photocell Sensor:** Ensure the photocell sensor is clean and unobstructed to guarantee proper dusk-to-dawn operation.



Image 5.1: The transformer features a durable stainless steel housing for long-lasting performance.

6. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lights do not turn on.	• No power to the transformer. • Incorrect operating mode selected. • Loose wiring connections. • Photocell sensor obstructed or faulty. • Overload or short circuit.	• Check the power outlet and circuit breaker. • Ensure the correct mode (e.g., 'A' for Auto, '0' for Always ON) is selected. • Verify all low voltage wiring connections are secure. • Clean the photocell sensor and ensure it is not blocked by debris or light sources. • Disconnect all lights, then reconnect one by one to identify a faulty light or short circuit. Reduce total wattage if overloaded.
Lights stay on during the day.	• Photocell sensor obstructed. • Incorrect operating mode.	• Ensure the photocell sensor is not blocked by shadows or covered. • Verify 'A' (Auto) or a countdown mode is selected, not '0' (Always ON).
Lights turn off too early/late.	• Photocell sensor sensitivity. • Countdown timer setting.	• Ensure the photocell sensor is in an area that accurately reflects ambient light conditions. • Adjust the countdown timer setting (1-9 hours) as desired.

If the problem persists after attempting these solutions, please contact DEWENWILS customer support for assistance.

7. Specifications

Feature	Detail
Model Number	HSLT03A
Input Voltage	120V AC
Output Voltage	12V AC / 15V AC
Wattage	150W
Power Source	AC
Product Dimensions	4"D x 4.2"W x 7.2"H (10.16 cm D x 10.67 cm W x 18.29 cm H)
Item Weight	7.72 Pounds (3.5 kg)
Mounting Type	Wall Mount
Material	Stainless Steel
Certifications	ETL Listed

Feature	Detail
Cord Length	6ft (1.8m) SJTW 18AWG



Image 7.1: Product dimensions and cord specifications.

8. Warranty and Support

DEWENWILS products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official DEWENWILS website.
If you have any questions, require technical assistance, or need to report an issue, please contact DEWENWILS customer support:

- **Website:** www.dewenwils.com
- **Email:** Refer to product packaging or website for contact email.
- **Phone:** Refer to product packaging or website for contact phone number.

Please have your model number (HSLT03A) and purchase date available when contacting support.

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