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› DEWENWILS 150W Low Voltage Landscape Lighting Transformer (Model HCLT03A) Instruction Manual

DEWENWILS HCLT03A

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DEWENWILS 150W Low Voltage Landscape Lighting Transformer, Model HCLT03A. This transformer is designed to convert 120V AC input to a safe 12V or 15V AC output, suitable for various outdoor landscape lighting applications such as garden lights, pathway lights, and other decorative outdoor lighting fixtures.



Image: The DEWENWILS 150W Low Voltage Landscape Lighting Transformer unit.

What's in the Box

- Low voltage landscape transformer

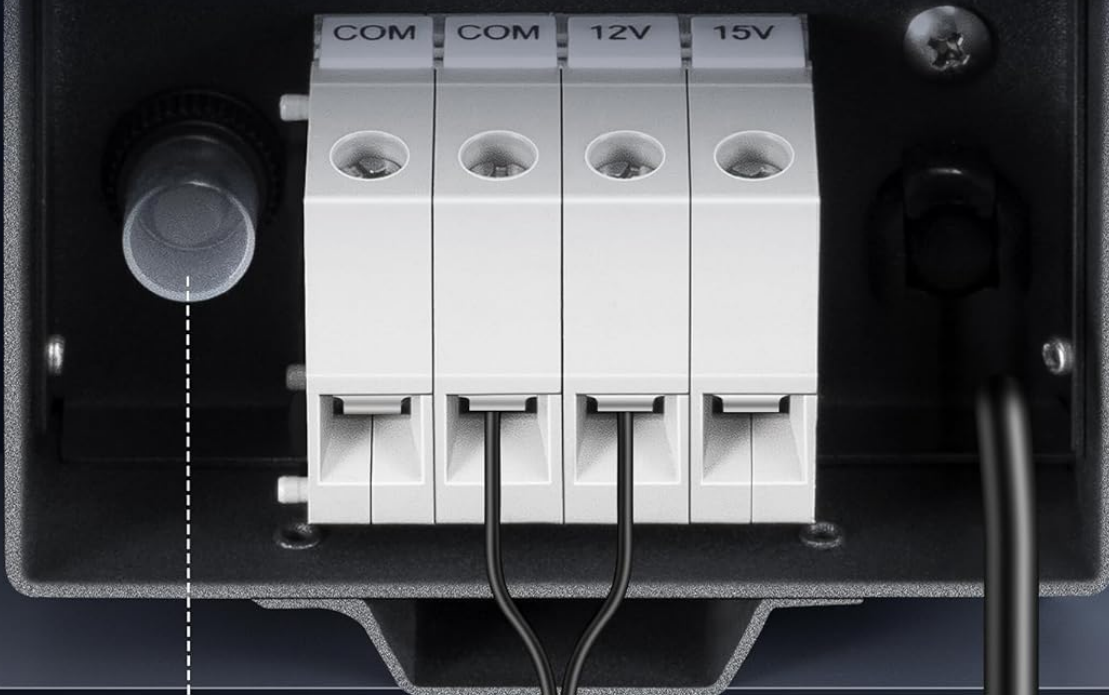
SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Always disconnect power at the circuit breaker before installing or servicing the transformer. Ensure all wiring connections are secure and comply with local electrical codes.
- **Outdoor Use:** This transformer is designed for outdoor use. Ensure it is mounted in a location protected from direct heavy rain and excessive moisture, although it features a weatherproof design.
- **Load Capacity:** Do not exceed the maximum wattage rating of 150W. Overloading the transformer can cause damage and create a fire hazard.
- **Wiring:** Use only low voltage landscape lighting wire suitable for outdoor burial or exposure.
- **Children and Pets:** Keep the transformer and wiring out of reach of children and pets.

INSTALL WITHIN 0.5 HRS

Within half an hour, then plug and play



Circuit Breaker

Built-in protection,
automatic reset.

2 Terminal Output Ends

Choose one to connect
your lights

Max Power
150W

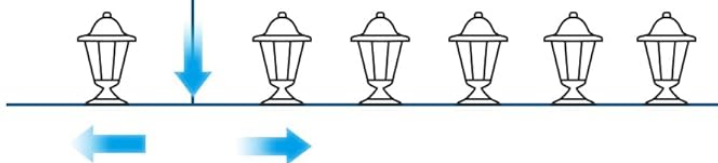


Image: The transformer highlighting its safe and weatherproof design, including ETL listing and overload protection.

SETUP

Mounting the Transformer

The transformer features built-in hanging holes for easy wall mounting. Choose a suitable outdoor location that is close to a 120V AC power outlet and where the low voltage wiring can reach your landscape lights. Ensure the mounting surface is sturdy and can support the weight of the transformer.

1. Select a secure, vertical surface for mounting.
2. Use appropriate screws (not included) to secure the transformer to the wall through the hanging holes.

Wiring Connections

The transformer provides 12V and 15V AC output terminals. Select the appropriate voltage for your landscape lighting fixtures. 12V is suitable for shorter runs or halogen lights, while 15V is recommended for longer wire runs or LED fixtures to compensate for voltage drop.

LOW VOLTAGE CONVERTER

Convert high voltage to safe low voltage
for landscape lighting

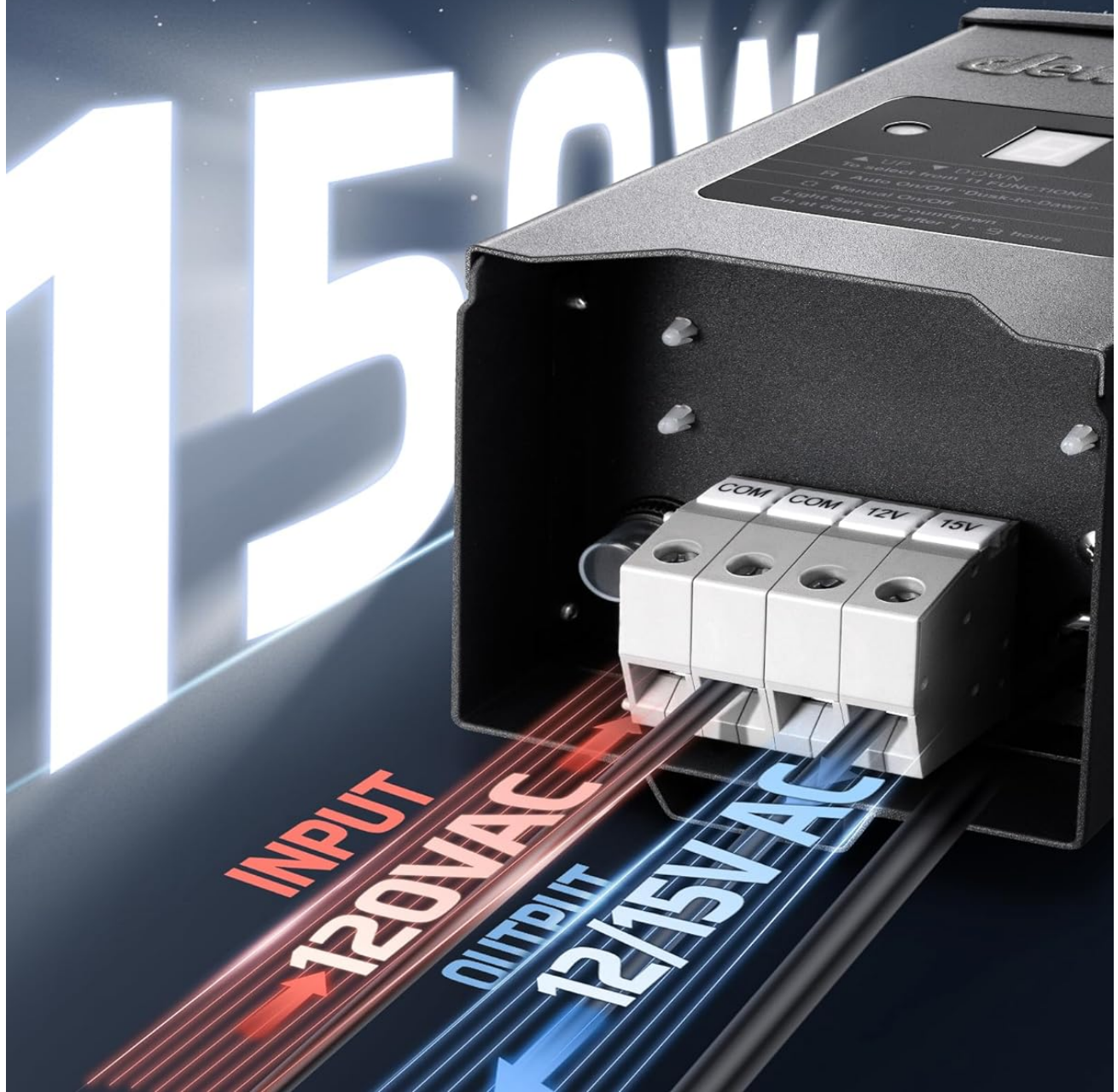


Image: Close-up view of the transformer's wiring terminals, indicating 120V AC input and 12/15V AC output.

1. Ensure the transformer is unplugged from the 120V AC power source.
2. Open the terminal cover on the transformer.
3. Connect the low voltage landscape lighting wires (typically red and black) from your fixtures to the appropriate terminal blocks (COM and either 12V or 15V). Ensure a tight and secure connection.
4. Close the terminal cover securely.
5. Plug the transformer into a grounded 120V AC outdoor-rated outlet.

SAFE AND WEATHERPROOF

Stainless steel metal shield for maximum rust resistance for extended life.



ETL Listed



Weatherproof



Metal Shield
= Durable



Overload/Short
Circuit Protection

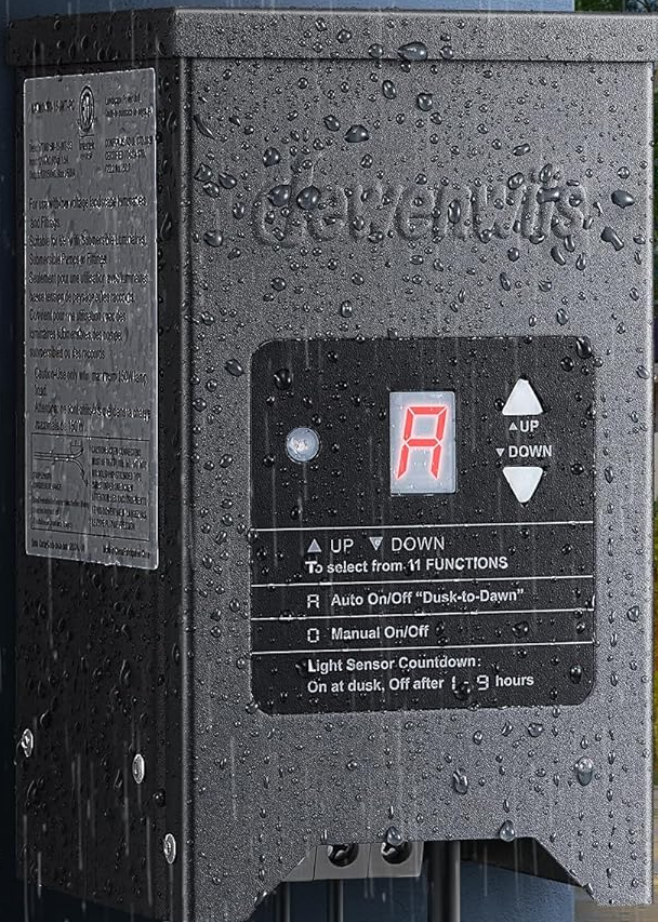


Image: Internal view of the transformer showing the circuit breaker and two terminal output ends for connecting lights.

OPERATING INSTRUCTIONS

The DEWENWILS transformer offers multiple operating modes for flexible control of your landscape lighting. Use the "**▲ UP**" and "**▼ DOWN**" buttons to navigate and select your desired mode.

EASY TO OPERATE

Press up/down to select your preferred mode in turn Memory function, it remains any mode you selected before shutt.



Image: Close-up of the control panel showing the 'Always On', 'Dusk to Dawn', and 'Photocell on Timer Off' modes.

Operating Modes

- **Always On:** The lights will remain on continuously until manually turned off or power is disconnected.
- **Auto (Dusk-to-Dawn):** The built-in photocell sensor automatically turns the lights on at dusk and off at dawn. This mode is energy-efficient and requires no manual intervention.
- **Countdown/Off (Photocell & Timer):** In this mode, the lights will automatically turn on at dusk and then turn off after a set duration. You can set the countdown timer from 1 to 9 hours.

PHOTOCELL SENSOR

Automatically turn the lights ON at DUSK
and OFF at DAWN



Image: Illustration of the photocell sensor functionality, showing lights turning on at dusk and off at dawn.

Memory Function

The transformer is equipped with a memory function. It will retain the last selected timer mode even after a power outage, ensuring consistent operation without needing to reset your preferences.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DEWENWILS transformer.

- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Annually inspect all wiring connections for tightness and signs of wear or damage. Ensure the power cord is free from cuts or fraying.
- **Photocell Sensor:** Keep the photocell sensor clean and free from obstructions (e.g., leaves, dirt) to ensure accurate dusk-to-dawn operation.

TROUBLESHOOTING

If your landscape lighting system is not functioning as expected, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Lights do not turn on	No power to transformer; Loose wiring connections; Overloaded circuit; Faulty lights	Check power outlet and circuit breaker. Ensure all low voltage wires are securely connected. Reduce total wattage of lights if exceeding 150W. Test individual lights.
Lights stay on continuously	Photocell sensor obstructed or dirty; Incorrect operating mode selected	Clean the photocell sensor and ensure no objects are blocking it. Verify the transformer is set to 'Auto' or 'Countdown/Off' mode.
Lights turn off too early/late	Photocell sensor sensitivity; Timer setting incorrect	Ensure the photocell sensor is not exposed to artificial light sources at night. Adjust the countdown timer setting as needed.
Circuit breaker trips repeatedly	Overload; Short circuit in wiring or lights	Reduce the total wattage of connected lights. Inspect all low voltage wiring for damage or shorts. Check individual lights for faults.

SPECIFICATIONS

Technical details for the DEWENWILS 150W Low Voltage Landscape Lighting Transformer.



Image: The DEWENWILS 150W Transformer showing its dimensions (5.9" x 3.5" x 8.6") and 3.3ft heavy-duty 18AWG cord.

Feature	Detail
Brand	DEWENWILS
Model	HCLT03A
Power Source	Corded Electric

Feature	Detail
Mounting Type	Wall Mount
Current Rating	12.5 Amps
Specification Met	ETL
Minimum Frequency	50 Hz
Item Weight	7.12 Pounds

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact DEWENWILS customer service directly. Keep your purchase receipt for warranty claims.

Contact Information: Please visit the official DEWENWILS website or refer to the contact details provided with your product for assistance.