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WILAWELS D26LT06

WILAWELS 200W Low Voltage Landscape Transformer User Manual

Model: D26LT06

Brand: WILAWELS

Introduction

Thank you for choosing the WILAWELS 200W Low Voltage Landscape Transformer. This device is designed to convert standard 120V AC household power to a safe 12V/14V AC low voltage, ideal for various landscape lighting applications. It features independent control for two zones, five versatile operating modes, a removable photocell sensor, built-in circuit protection, and a memory function for convenience. This manual provides essential information for safe installation, operation, and maintenance of your transformer.

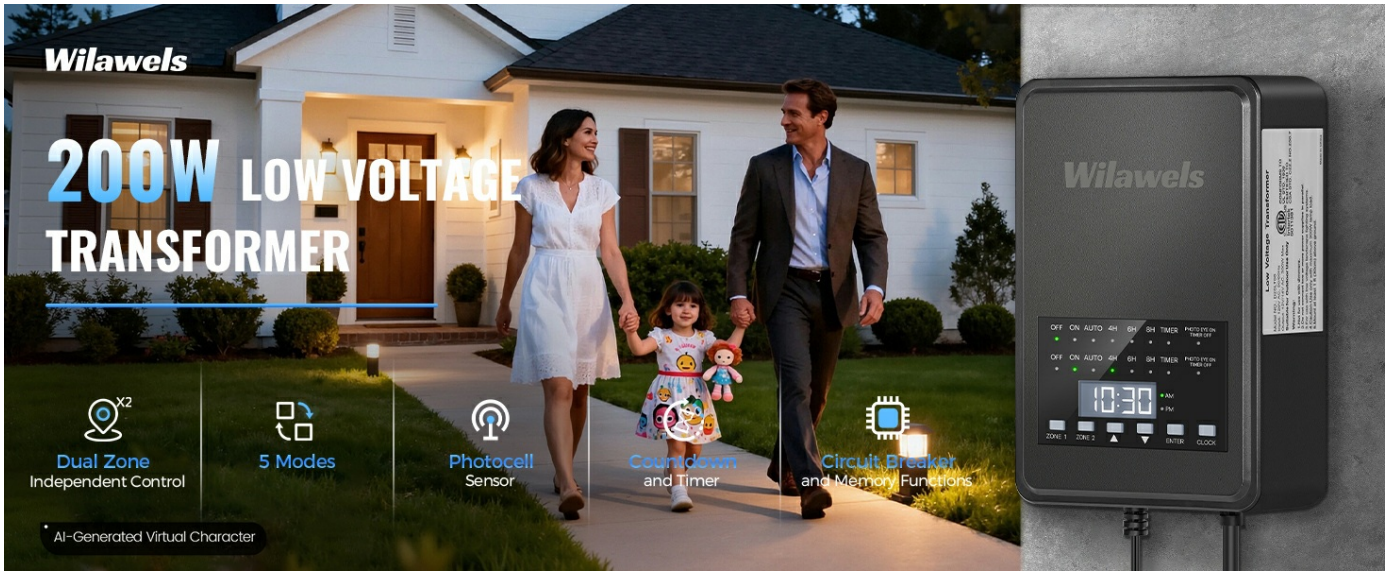


Image: The WILAWELS 200W Low Voltage Landscape Transformer showcasing its main features and design.

Safety Information

- Read all instructions before installing or using this transformer.
- Ensure the power supply is disconnected before any installation, wiring, or maintenance.

- This transformer is designed for outdoor use and is weatherproof. However, avoid submerging it in water.
- Do not exceed 80% of the rated wattage (200W) when connecting lights to prevent overload.
- Use only low voltage landscape lighting fixtures compatible with 12V/14V AC.
- The photocell sensor is removable and has a 6-foot UL cord for flexible placement. Ensure it is positioned to accurately detect ambient light.

What's in the Box

- Low Voltage Transformer

Specifications

Brand	WILAWELS
Model	D26LT06
Power Source	Corded Electric
Product Dimensions	3.2"D x 5.7"W x 8.9"H
Mounting Type	Wall Mount
Certification	ETL Listed
Wattage	200W
Input Voltage	120V AC
Output Voltage	12V/14V AC

Setup and Installation

1. **Choose a Mounting Location:** Select a sturdy, vertical surface near a 120V AC outdoor power outlet. The transformer is designed for wall mounting and is heavy; ensure the mounting surface can support its weight. Consider using the provided bracket and securing it to a wall stud or using appropriate wall anchors.
2. **Mount the Transformer:** Securely attach the transformer to the chosen location using appropriate screws and anchors. Ensure it is level and stable.
3. **Connect Low Voltage Wires:** The transformer features two terminals for independent control of two lighting zones. Connect your low voltage landscape lighting wires to the designated terminals (Zone 1 and Zone 2). Ensure all connections are tight and secure. Do not exceed the total wattage capacity of 200W, and ensure each zone's load does not exceed 80% of the total capacity.
4. **Position the Photocell Sensor:** The photocell sensor is removable and comes with a 6-foot UL cord. Position the sensor in an area that receives natural light, away from artificial light sources that might interfere with its operation (e.g., porch lights, streetlights). This ensures accurate dusk/dawn detection.
5. **Plug into Power:** Once all connections are secure and verified, plug the transformer's 120V AC power cord into a grounded outdoor outlet.



Image: Illustration of the transformer's input and output connections, highlighting its safety features.

Operating Instructions

The transformer offers independent control for two zones and five operating modes. Use the buttons on the control panel to navigate and set your desired functions.



Image: The transformer's control panel illustrating independent zone settings.

Setting Current Time and Day

1. Press the "CLOCK" button.
2. Use the "UP" and "DOWN" arrows to adjust the hour, then press "ENTER".
3. Adjust the minute, then press "ENTER".
4. Adjust the day of the week, then press "ENTER" to save.

Selecting Operating Modes

Press the "ZONE 1/2" button to select the zone you wish to configure. Then, cycle through the modes using the appropriate buttons.

- **Manual On/Off Mode:**
  In this mode, the landscape lights will remain either continuously on or off, controlled manually. Press the "ON/OFF"

button to toggle the power for the selected zone.



Image: Manual control mode explanation.

- **Auto On/Off Mode (Photocell):**
  The landscape lighting will automatically turn on at dusk and turn off at dawn, based on the photocell sensor's detection of ambient light.



Image: Automatic operation using the photocell sensor.

- **Countdown Mode:**
  Landscape lighting will automatically turn on at dusk and remain on for a set duration (e.g., 4, 6, or 8 hours), then turn off. Use the "COUNTDOWN" button to select the desired duration.

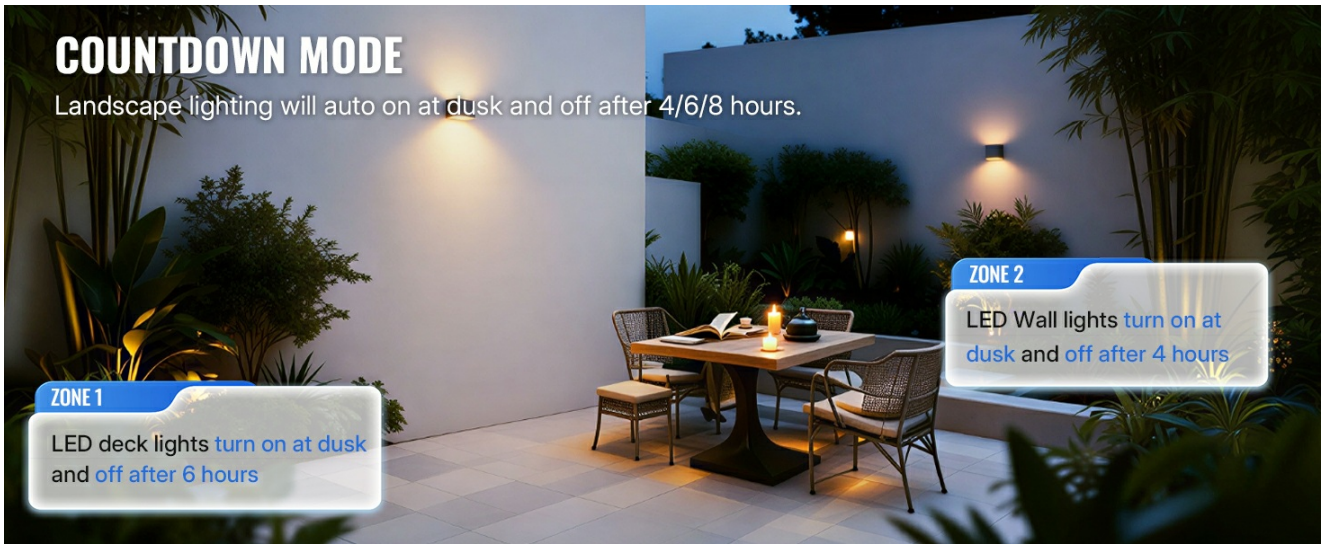


Image: Countdown mode with examples for different zones.

- **Timer Mode:**
  Allows you to set specific start and end times for the landscape lights to operate. Press the "TIMER" button and use the arrow keys to set the desired ON and OFF times for each zone.



Image: Timer mode with customizable start and end times for each zone.

- **Photo Eye On Timer Off Mode:**
  In this mode, the landscape lights will turn on automatically at dusk (detected by the photocell) and turn off at a specific time you set. Press the "PHOTO EYE ON TIMER OFF" button and set the desired OFF time.

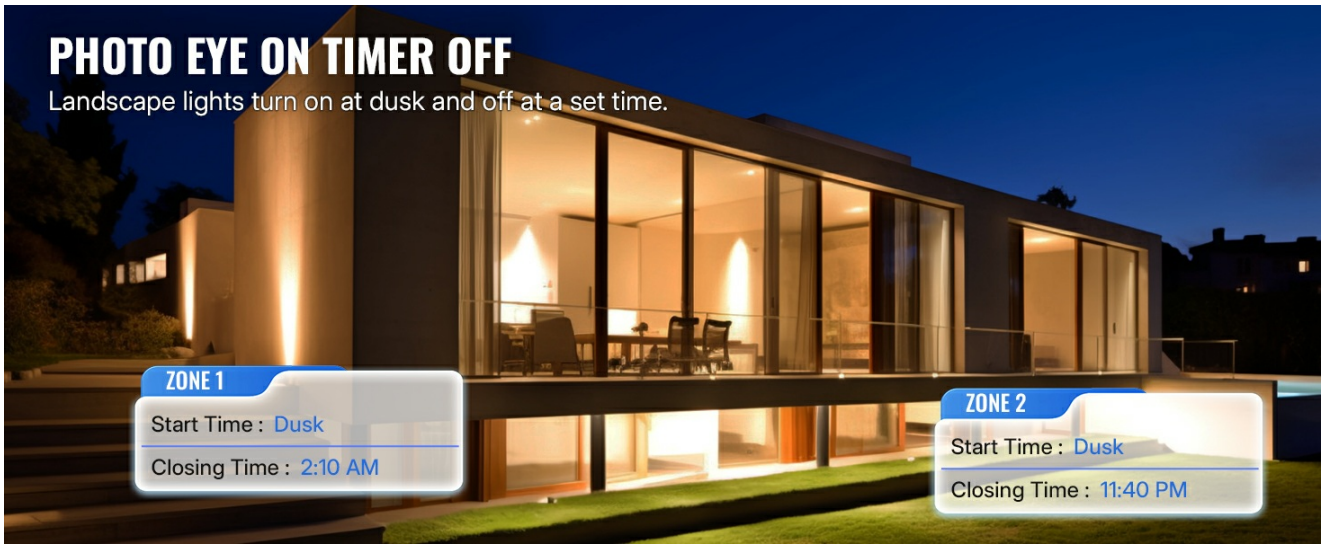


Image: Photo Eye On Timer Off mode, combining photocell activation with a set turn-off time.

Memory Function

The transformer is equipped with a memory function. In the event of a power outage, the device will retain its last set mode and settings once power is restored, eliminating the need for re-setup.



Image: The transformer's memory function, ensuring settings are saved.

Maintenance

- **Cleaning:** Periodically wipe the transformer's exterior with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Photocell Sensor:** Ensure the photocell sensor remains clean and unobstructed for accurate light detection. Clear any leaves, dirt, or snow that may cover it.
- **Connections:** Annually inspect all wiring connections to ensure they are tight and free from corrosion.
- **Weather Protection:** Although weatherproof, it is recommended to install the transformer in a location that offers some protection from direct, prolonged exposure to extreme weather conditions to extend its lifespan.



Image: The transformer's robust design for superior weather resistance.

Troubleshooting

Problem	Possible Cause	Solution

Lights are not turning on.	No power to transformer, loose connections, circuit breaker tripped, incorrect mode setting, faulty lights.	Check power outlet. Ensure all low voltage wires are securely connected. Reset the built-in circuit breaker (if tripped). Verify the operating mode and settings. Test individual lights.
Timer/Photocell not working correctly.	Incorrect time/date setting, photocell obstructed, photocell faulty, incorrect mode selected.	Re-set current time and day. Ensure photocell is clean and unobstructed. Verify the correct operating mode is selected for the desired function.
Circuit breaker trips frequently.	Overload (total wattage exceeds 200W), short circuit in wiring or lights.	Reduce the total wattage of connected lights to below 80% of 200W. Inspect wiring and light fixtures for any damage or short circuits.
Lights flicker or are dim.	Loose connections, insufficient wire gauge for distance, too many lights.	Check all connections. Ensure appropriate wire gauge is used for the length of the cable run. Reduce the number of lights if exceeding capacity.

Warranty and Support

For warranty information or technical support, please contact WILAWELS customer service. Refer to the product packaging or the official WILAWELS website for contact details. Please have your model number (D26LT06) and purchase information ready when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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