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WILAWELS D26LT06

WILAWELS 500W Low Voltage Landscape Transformer User Manual

Model: D26LT06

Introduction

This manual provides detailed instructions for the safe and efficient operation of your WILAWELS 500W Low Voltage Landscape Transformer. Please read this manual thoroughly before installation and use, and retain it for future reference.

The WILAWELS 500W Low Voltage Landscape Transformer is designed to convert standard 120V AC household power to a safe 12V or 14V AC output, suitable for various landscape lighting applications. It features independent control for two zones, multiple operating modes, and a removable photocell sensor for automated lighting control.



Image: Front view of the WILAWELS 500W Low Voltage Landscape Transformer.



Image: Illustration highlighting the transformer's 500W capacity, 120V AC input, and 12V/14V AC output.

Safety Information

Important Safety Instructions:

- Always disconnect power before installing, servicing, or cleaning the transformer.
- This transformer is ETL certified, ensuring it meets safety standards.

- Do not exceed 80% of the rated power (500W) when connecting lights to prevent overload.
- Ensure all connections are secure and waterproof for outdoor use.
- The built-in circuit breaker provides protection against electrical issues. If tripped, disconnect power, troubleshoot the cause, and then reset.
- Keep the photocell sensor clear of obstructions for accurate light detection.

Package Contents

Verify that all items are present in the package:

- WILAWELS 500W Low Voltage Landscape Transformer
- Removable Photocell Sensor with 6-foot UL cord
- User Manual (this document)

Specifications

Feature	Detail
Brand	WILAWELS
Model	D26LT06
Wattage	500W
Input Voltage	120V AC
Output Voltage	12V AC / 14V AC
Control Zones	2 Independent Zones
Mounting Type	Wall Mount
Dimensions (D x W x H)	3.2"D x 5.7"W x 8.9"H
Weight	11.3 pounds
Certifications	ETL Listed
Power Cord	ETL Certified SJTW 18AWG/3C, 3.3ft
Sensor Cord	ETL Certified 20AWG/2C, 6ft



Image: Detailed view of the transformer's dimensions, power cord, and sensor cord specifications.

Setup and Installation

1. **Choose a Mounting Location:** Select a suitable outdoor location for wall mounting. Ensure it is protected from direct heavy rain and easily accessible.
2. **Mount the Transformer:** Securely mount the transformer to a wall or sturdy surface using appropriate hardware (not included).

3. **Connect Landscape Lights:**
    - Identify the two independent output zones on the transformer.
    - Connect your low-voltage landscape lighting wires to the appropriate terminals for Zone 1 and Zone 2.
    - Ensure total wattage for each zone and overall does not exceed 80% of the 500W rating.
    - You can choose between 12V AC or 14V AC output terminals based on your lighting requirements.
4. **Install the Photocell Sensor:**
    - Plug the removable photocell sensor into its designated port on the transformer.
    - Position the sensor in an area that receives natural light, free from obstructions or artificial light sources that could interfere with its operation (e.g., porch lights). The 6-foot cord allows for flexible placement.
5. **Connect to Power:** Plug the transformer's power cord into a standard 120V AC outdoor-rated electrical outlet.



Image: Rear view of the transformer showing the two output zones, circuit breaker, and photocell sensor connection. Also indicates the 500W power limit.



Image: Illustration of the photocell sensor detecting dusk and dawn for automatic operation.

Operating Instructions

The transformer offers independent control for two zones and five operating modes. Use the**Zone 1/2** button to select the zone you wish to configure.



Image: Diagram illustrating the five available operating modes: Manual On/Off, Auto On/Off, Countdown, Timer, and Photo Eye On Timer Off.



Image: Example of independent control for two zones, showing different modes set for Zone 1 (Auto On/Off) and Zone 2 (Timer Mode).

Setting the Clock

Press the **CLOCK** button to enter clock setting mode. Use the **UP/DOWN** arrows to adjust the hour and minute. Press **ENTER** to confirm.

Operating Modes:

1. **Manual On/Off Mode:**

- Press the mode button until "ON" or "OFF" is displayed.
- Lights will remain continuously on or off until the mode is changed.

2. **Auto On/Off Mode (Dusk to Dawn):**
   - Press the mode button until "AUTO" is displayed.
   - The photocell sensor will automatically turn lights on at dusk and off at dawn.
3. **Countdown Mode (4H/6H/8H):**
   - Press the mode button to select "4H", "6H", or "8H".
   - Lights will turn on at dusk (detected by photocell) and remain on for the selected duration (4, 6, or 8 hours), then turn off.
4. **Timer Mode:**
   - Press the mode button until "TIMER" is displayed.
   - Use the **UP**/**DOWN** arrows and **ENTER** button to set specific ON and OFF times for the lights.
   - Lights will operate according to the programmed schedule.
5. **Photo Eye On Timer Off Mode:**
   - Press the mode button until "PHOTO EYE ON TIMER OFF" is displayed.
   - Lights will turn on at dusk (detected by photocell) and turn off at a specific time you set.
   - Use the **UP**/**DOWN** arrows and **ENTER** button to set the desired OFF time.

Memory Function: The transformer retains the last set mode and time settings even after a power interruption, eliminating the need for re-setup.

Maintenance

The WILAWELS transformer is designed for durability and minimal maintenance. To ensure optimal performance and longevity:

- Regularly inspect the power cord and sensor cord for any damage.
- Keep the photocell sensor clean and free from dirt, leaves, or snow to ensure accurate light detection.
- Periodically check all wire connections to ensure they remain secure and free from corrosion.
- The weatherproof housing protects against rain, snow, and dust. However, avoid submerging the unit in water.
- Clean the exterior of the transformer with a soft, damp cloth as needed. Do not use harsh chemicals or abrasive cleaners.

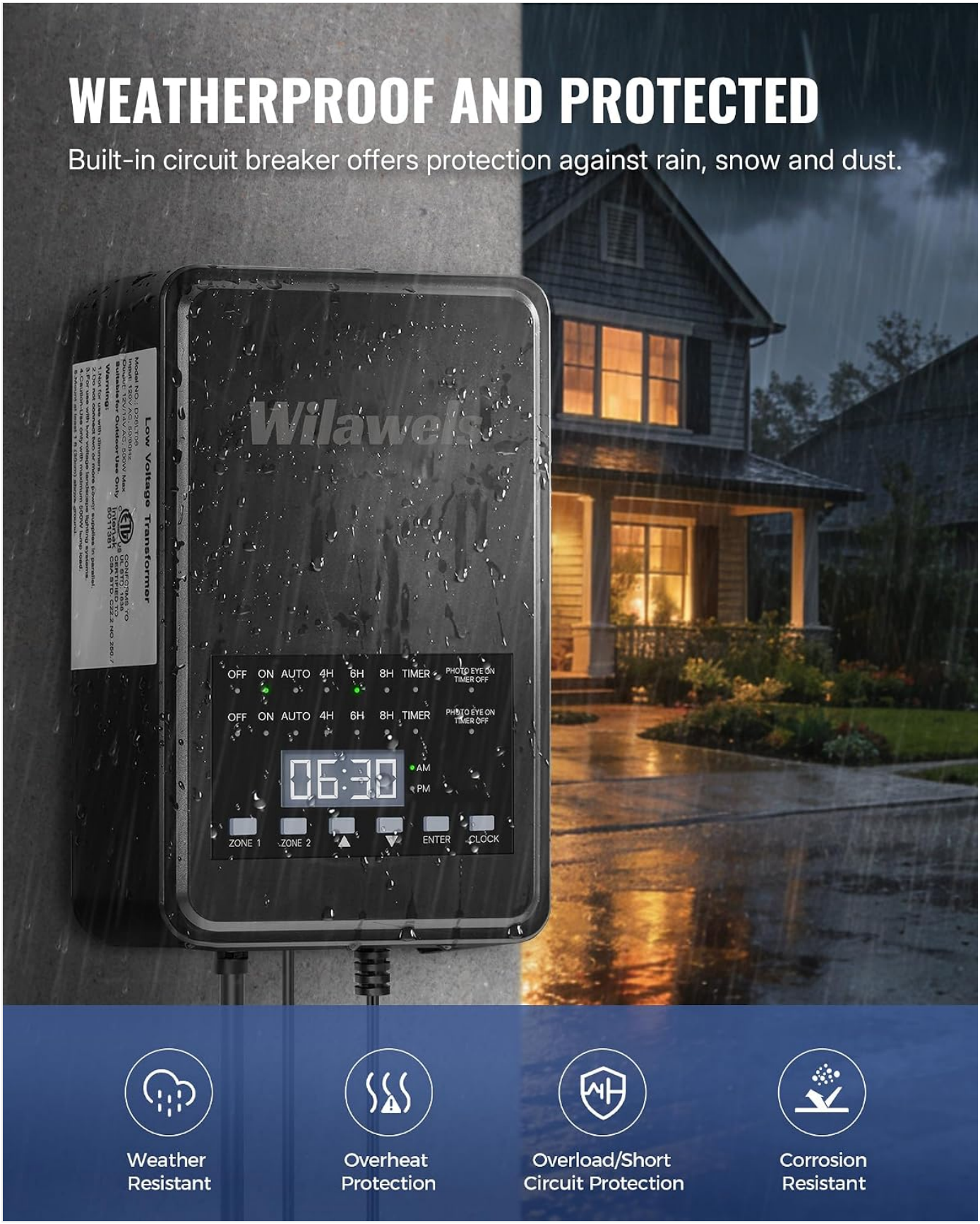


Image: The transformer shown in a rainy outdoor setting, highlighting its weather-resistant, overheat protection, overload/short circuit protection, and corrosion-resistant features.

Troubleshooting

Problem	Possible Cause	Solution

Lights not turning on.	• No power to transformer. • Circuit breaker tripped. • Incorrect mode setting. • Photocell sensor obstructed or faulty. • Loose wire connections. • Faulty landscape lights.	• Check power outlet and transformer plug. • Reset the circuit breaker after disconnecting power and checking for overloads/shorts. • Verify the operating mode is set correctly (e.g., Manual ON, Auto, Timer). • Ensure photocell is clean and exposed to natural light. • Tighten all wire connections at the terminals. • Test lights individually or replace if necessary.
Lights not turning off.	• Incorrect mode setting. • Photocell sensor receiving artificial light.	• Verify the operating mode is set correctly (e.g., Auto, Countdown, Timer). • Relocate photocell sensor away from artificial light sources (e.g., streetlights, porch lights).
Display not working.	• No power to transformer. • Internal fault.	• Check power outlet and transformer plug. • Contact customer support if power is present but display remains off.
Circuit breaker trips repeatedly.	• Overload (total wattage too high). • Short circuit in wiring or lights.	• Reduce the number of connected lights or replace with lower wattage lights. Ensure total wattage is below 400W (80% of 500W). • Inspect all wiring and lights for damage or exposed wires that could cause a short circuit. Repair or replace as needed.

Warranty and Support

WILAWELS products are designed for quality and reliability. For specific warranty details, please refer to the warranty card included with your product or contact WILAWELS customer support.
If you encounter any issues or have questions regarding your WILAWELS 500W Low Voltage Landscape Transformer, please contact our customer support team for assistance. Contact information can typically be found on the product packaging or the official WILAWELS website.

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