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› [WILAWELS](#) /

› [WILAWELS 12 Pack Landscape Lights with 300W and 150W Low Voltage Transformers Instruction Manual](#)

WILAWELS W01LK06-A04LT06

WILAWELS 12 Pack Landscape Lights with 300W and 150W Low Voltage Transformers Instruction Manual

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the WILAWELS Landscape Lighting Kit. This manual provides essential instructions for the safe installation, operation, and maintenance of your 12-pack landscape lights, 300W dual-zone transformer, and 150W low voltage transformer. Please read all instructions carefully before use and retain this manual for future reference.

Important Safety Instructions

- This product is designed for outdoor use only.
- Always disconnect power before installing, servicing, or cleaning the unit.
- Do not immerse the transformers or lights in water.
- Ensure all electrical connections are secure and protected from moisture.
- Do not exceed the maximum wattage capacity of each transformer. The total power of both zones on the 300W transformer should not exceed 80% of its rated power.
- Use only low-voltage landscape wire (not included) suitable for outdoor burial. Recommended wire gauge: 12/14/16 AWG.
- Keep children and pets away from the installation area.

Package Contents

- 12 x 6W LED Landscape Lights
- 24 x Wire Connectors
- 1 x 300W Dual-Zone Timer Transformer
- 1 x 150W Low Voltage Landscape Transformer
- Instruction Manual



Image 1.1: Complete WILAWELS Landscape Lighting Kit components.

2. PRODUCT OVERVIEW

This kit provides a comprehensive solution for outdoor landscape lighting, featuring durable LED lights and two versatile low-voltage transformers for flexible control.

Landscape Lights

- **Power:** 6W per light
- **Lumen Output:** 700 Lumens
- **Color Temperature:** 3000K Warm White
- **Lifespan:** Approximately 50,000 hours

- Protection Rating: IP65 Waterproof



Image 2.1: Key features of the 6W LED landscape lights.

300W Dual-Zone Low Voltage Transformer

This ETL-listed transformer converts 120V AC household current to a safe 12/14V AC low voltage. It features two independently controlled zones, allowing for customized lighting schedules. A detachable photocell sensor enables automatic dusk-to-dawn operation.

150W Low Voltage Landscape Transformer

This ETL-listed transformer safely converts 120V AC to 12V DC. It is designed to power various outdoor landscape lighting fixtures. It includes a detachable photocell sensor for automatic dusk-to-dawn functionality and offers multiple operating modes via a single button.



Image 2.2: Front view of the 150W Low Voltage Transformer.

3. SETUP AND INSTALLATION

This kit is designed for DIY-friendly installation. Please ensure you have appropriate low-voltage wire (12/14/16 AWG) as it is not included in the package.

Installation Steps

1. **Plan Layout:** Determine the desired placement for each landscape light and the transformer(s). Ensure the transformer is mounted in a location protected from direct heavy rain and easily accessible to a 120V AC outlet.

2. **Run Low-Voltage Wire:** Lay out the low-voltage wire from the transformer to each light fixture. Bury the wire a few inches deep or conceal it along pathways.
3. **Prepare Wire Connections:** For each light, separate the two strands of the low-voltage wire.
4. **Connect Lights:** Use the provided wire connectors to attach each light to the low-voltage wire. Screw the pin into the power cable, then install the end tap and tighten the screw collar. Perform a pull test to ensure a secure connection.



Image 3.1: Detailed steps for connecting landscape lights to the low-voltage cable.

5. **Connect to Transformer:** Connect the main low-voltage wire run to the output terminals of the transformer. Ensure polarity is correct if specified by the transformer.
6. **Mount Transformer:** Securely mount the transformer to a wall or post using appropriate hardware. Ensure the detachable photocell sensor (if applicable) is positioned to receive ambient light without

obstruction.

7. **Power On:** Plug the transformer into a grounded 120V AC outlet.

4. OPERATING INSTRUCTIONS

4.1. 300W Dual-Zone Transformer Operation

This transformer features a digital display and controls for two independent lighting zones.

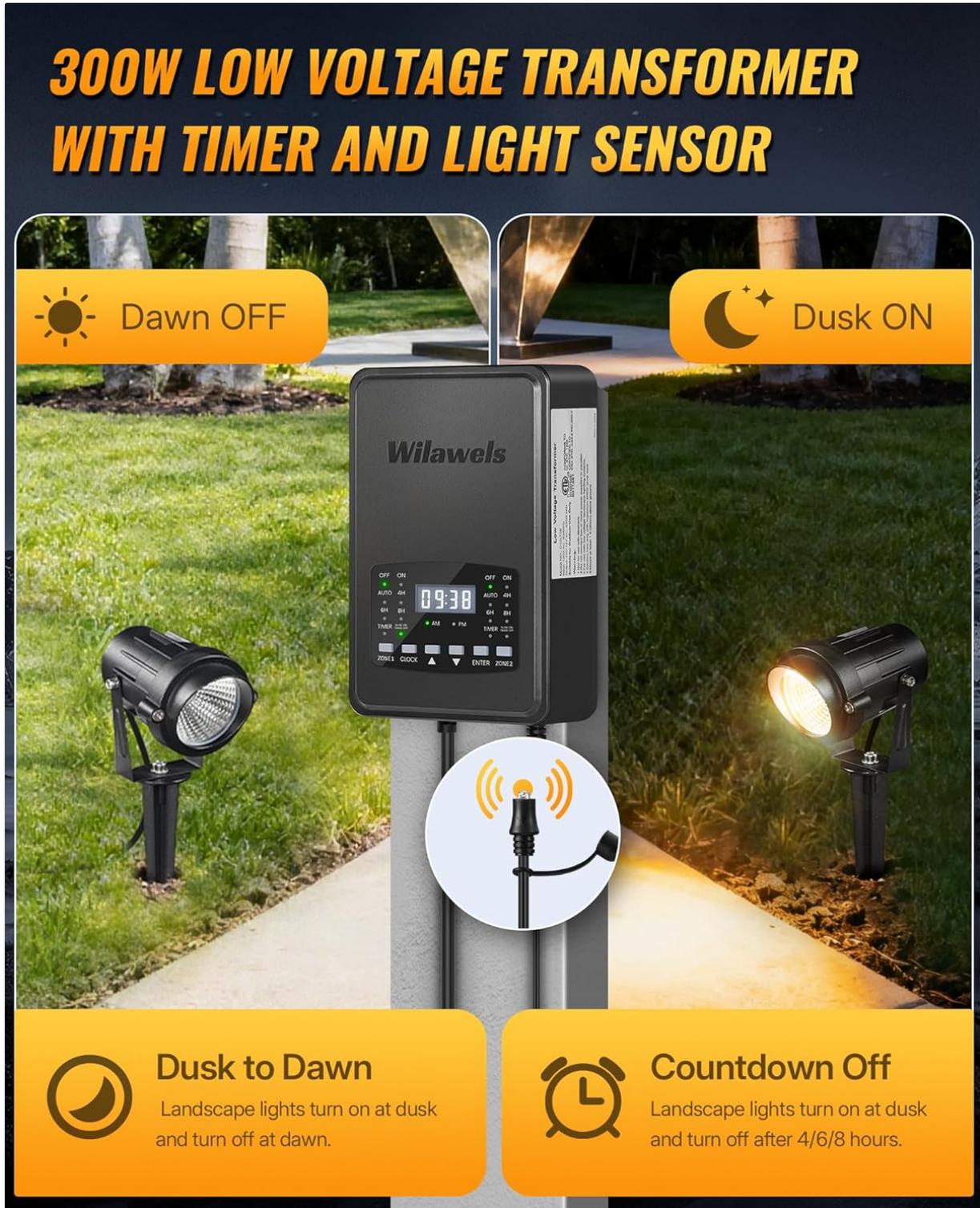


Image 4.1: Control panel of the 300W Dual-Zone Transformer.

- **Setting the Clock:** Use the 'CLOCK' button to set the current time.

- **Zone Selection:** Use the 'ZONE 1' and 'ZONE 2' buttons to select which zone you wish to configure.
- **Operating Modes:**
 - **OFF:** Lights remain off.
 - **ON:** Lights remain on continuously.
 - **AUTO (Dusk-to-Dawn):** The detachable photocell sensor automatically turns lights on at dusk and off at dawn.
 - **Timer Modes (2H, 4H, 6H, 8H):** Lights turn on at dusk and automatically turn off after the selected duration (2, 4, 6, or 8 hours).
- **Adjusting Settings:** Use the up and down arrow buttons to adjust time or timer durations. The 'ENTER' button confirms selections.

4.2. 150W Low Voltage Transformer Operation

This transformer features a single control button and LED indicators for mode selection.

4 MODES

This Landscape Lighting Transformer Offers Four Modes.



Image 4.2: The four operating modes of the 150W Low Voltage Transformer.

- **Mode Selection:** Press the single control button repeatedly to cycle through the available modes. The corresponding LED indicator will illuminate.
- **Operating Modes:**
 - **Manual On/Off Mode:** Allows manual control of the lights.
 - **Auto Mode (Dusk to Dawn):** The photocell sensor automatically turns lights on at dusk and off at dawn.
 - **Countdown Mode (2H, 4H, 6H, 8H):** Lights turn on at dusk and automatically turn off after the selected duration.
 - **Test Mode:** For quick testing of the lighting system.

DUST TO DAWN

The photocell sensor automatically turns lights on at dusk and off at dawn.



Image 4.3: The 150W transformer's Dusk to Dawn automation feature.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your landscape lighting system.

- **Cleaning:** Periodically clean the light fixtures and transformer housings with a soft, damp cloth. Ensure the photocell sensor is free from dirt, leaves, or other obstructions that could interfere with its operation.
- **Connection Check:** Annually inspect all wire connections for corrosion or damage. Ensure they remain tight and secure.
- **Wire Inspection:** Check buried low-voltage wires for any exposed sections or damage from

gardening tools or pests. Repair or replace damaged sections immediately.

- **Weather Protection:** Both transformers are designed to be weatherproof. The 150W transformer includes a built-in circuit breaker for protection against rain, snow, dust, overheat, overload/short circuit, and corrosion.



Image 5.1: Weatherproof and protection features of the 150W transformer.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer. Transformer in OFF mode. Photocell obstructed or faulty. Loose wire connections. Overload.	Check power outlet and circuit breaker. Set transformer to ON, AUTO, or a timer mode. Clear photocell sensor. Inspect and secure all wire connections. Reduce the number of lights or total wattage.
Lights flicker or are dim.	Insufficient wire gauge for distance. Loose connections. Transformer overloaded.	Use heavier gauge wire (e.g., 12 AWG) for longer runs. Check and tighten all connections. Ensure total wattage does not exceed 80% of transformer capacity.
Lights stay on/off continuously.	Transformer in ON/OFF mode. Photocell sensor issue. Timer settings incorrect.	Adjust transformer to AUTO or a timer mode. Ensure photocell is clean and exposed to ambient light. Verify timer settings are correctly configured.
Only one zone of 300W transformer works.	Zone settings incorrect. Wiring issue for the non-working zone.	Check settings for both Zone 1 and Zone 2. Inspect wiring connections for the affected zone.

7. SPECIFICATIONS

Component	Specification
Brand	WILAWELS
Model Number	W01LK06-A04LT06
Landscape Lights (each)	6W LED, 700 Lumens, 3000K Warm White, IP65 Waterproof, 50,000 hours lifespan
300W Transformer Input	120V AC, 60Hz
300W Transformer Output	12/14V AC, 300W Max (80% load recommended)
300W Transformer Features	ETL Listed, Dual-Zone Control, Digital Timer, Detachable Photocell Sensor
150W Transformer Input	120V AC, 60Hz
150W Transformer Output	12V DC, 150W Max

Component	Specification
150W Transformer Features	ETL Listed, Detachable Photocell Sensor, 4 Operating Modes, Weather Resistant, Overheat Protection, Overload/Short Circuit Protection, Corrosion Resistant
Power Cord Length (150W Transformer)	3.3 feet (ETL-certified)
Sensor Cable Length (150W Transformer)	6 feet
Recommended Wire Gauge	12 / 14 / 16 AWG (Low-voltage wire not included)

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact WILAWELS customer service directly. Keep your purchase receipt as proof of purchase.
