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› SUNVIE 200W Landscape Lighting Transformer Outdoor Low Voltage Landscape Transformer with Timer and Photocell Sensor
Waterproof 120V to 12V/14VAC Low Voltage Transformer for Landscape Garden Lights User Manual

SUNVIE SUNVIE-300W-LOW-VOLTAGE-TRANS-f63d76d697

SUNVIE 200W Landscape Lighting Transformer User Manual

Outdoor Low Voltage Landscape Transformer with Timer and Photocell Sensor

1. INTRODUCTION

Thank you for choosing the SUNVIE 200W Landscape Lighting Transformer. This device is designed to provide safe and reliable low-voltage power for your outdoor lighting systems. With its advanced features, including a photocell sensor and multiple programmable modes, it offers convenience and energy efficiency for illuminating your landscape, garden, and pathways.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the lifespan of your transformer.

2. SAFETY INFORMATION

- Always disconnect power before installing, servicing, or cleaning the transformer.
- This transformer is designed for outdoor use. Ensure all connections are waterproof and protected from moisture.
- Do not exceed the maximum wattage rating of 200W. Overloading the transformer can cause damage or fire.
- Ensure the input voltage (120V AC) matches your household electrical supply.
- Use only with 12V/14V AC low voltage landscape lighting fixtures.
- Keep children and pets away from the transformer and wiring during operation.
- If any damage is observed, discontinue use immediately and contact customer support.

3. PACKAGE CONTENTS

- 1 x SUNVIE 200W Low Voltage Transformer

- 1 x Photocell Sensor (removable)
- Mounting Hardware (screws, anchors)
- User Manual

4. PRODUCT OVERVIEW

The SUNVIE 200W Landscape Lighting Transformer features a robust design suitable for outdoor environments. It includes a digital display for easy programming and multiple output terminals for flexible wiring.



Front view of the SUNVIE 200W Landscape Lighting Transformer, showing the digital display and control buttons.

4 TERMINAL OUTPUT ENDS

Choose any one or more terminals according to your needs

CIRCUIT BREAKER

Short circuit protection, can be recovered after troubleshooting



Close-up of the 4 terminal output ends and circuit breaker, allowing for flexible wiring configurations.

Key Features:

- **200W Power Output:** Sufficient power for various low-voltage lighting setups.

- **12V/14V AC Output:** Provides stable voltage for LED and halogen lights.
- **Photocell Sensor:** Automatic dusk-to-dawn operation.
- **Multiple Operating Modes:** Manual, Auto, Photocell ON/Timer OFF, Timer ON/OFF, Test.
- **Overload Protection:** Built-in circuit protection to prevent equipment damage.
- **Memory Function:** Retains settings after power interruption.
- **Weatherproof & Durable:** Designed to withstand outdoor elements.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your SUNVIE transformer.

5.1 Mounting the Transformer

Choose a suitable location for mounting the transformer, ideally near a 120V AC power outlet and within reach of your landscape lighting cables. Ensure the location allows for proper ventilation and is protected from direct water accumulation.



Transformer dimensions and mounting points for wall installation.

1. Mark the desired mounting points on the wall using the transformer's mounting holes as a template.
2. Drill pilot holes if necessary and insert wall anchors.
3. Secure the metal mounting bracket (if included) to the wall using the provided screws.
4. Hang the transformer onto the secured metal bracket.

5.2 Wiring the Landscape Lights

The transformer features 4 terminal output ends (two 12V and two 14V) and a common (COM) terminal. The 14V output is useful for longer cable runs to compensate for voltage drop.

4 TERMINAL OUTPUT ENDS

Choose any one or more terminals according to your needs

CIRCUIT BREAKER

Short circuit protection, can be recovered after troubleshooting

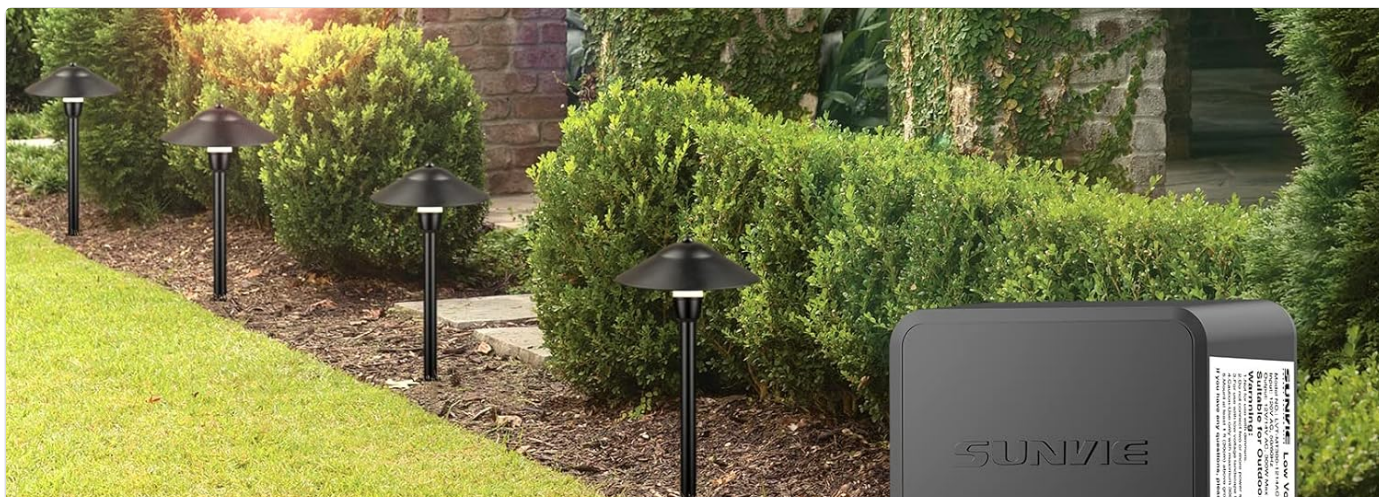


Detailed view of the terminal block for connecting low voltage wires.

1. Strip approximately 1/2 inch of insulation from the ends of your low voltage landscape lighting wire.
2. Connect one wire from your lighting system to a 12V or 14V terminal and the other wire to a COM (common) terminal. Ensure a secure connection by tightening the screw terminals.
3. Repeat for additional lighting zones if desired, using the remaining terminals.
4. Ensure all connections are tight and free from loose strands to prevent short circuits.

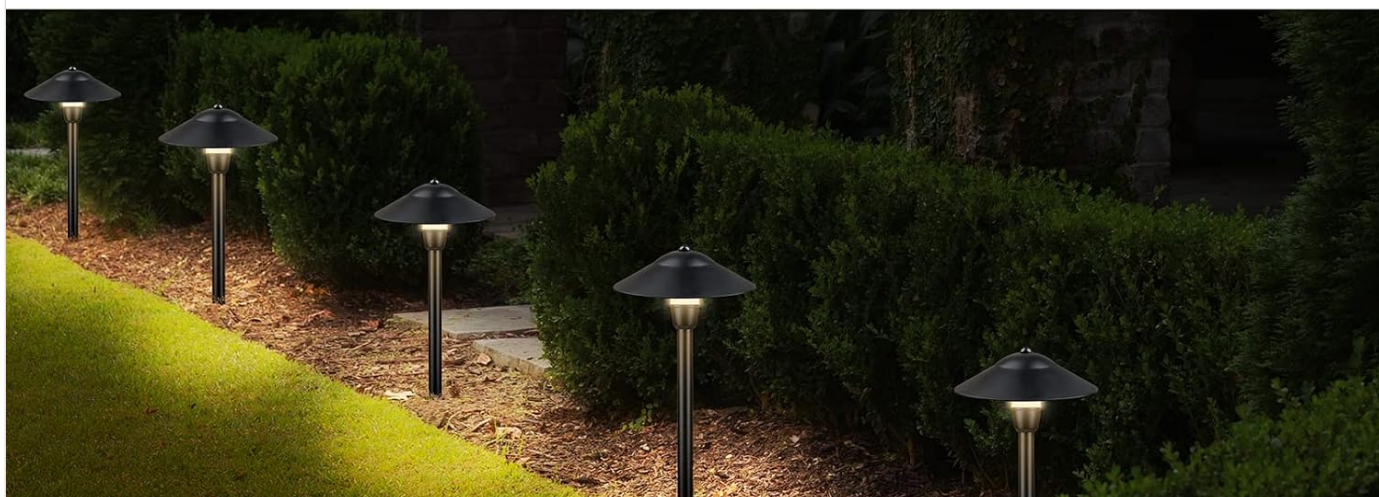
5.3 Connecting the Photocell Sensor

The removable photocell sensor allows for automatic dusk-to-dawn operation.



Photocell Sensor

The replaceable photocell sensor automatically turn on at dusk and turn off at sunrise



The photocell sensor and its connection point. Ensure the sensor is placed away from artificial light sources.

1. Align the sensor connectors of the photocell sensor with the corresponding port on the transformer.
2. Twist to securely tighten the threads.
3. Remove the protective cover from the photocell sensor to allow it to function properly.
4. Mount the photocell sensor in a location that receives natural daylight and is not affected by artificial light sources (e.g., porch lights, streetlights) to ensure accurate operation.

5.4 Installation Video Guide

For a visual guide on installation and use, please refer to the official video below:

Official video demonstrating how to install and use the SUNVIE Landscape Lighting Transformer.

6. OPERATING MODES

The SUNVIE transformer offers five distinct operating modes to suit your lighting needs. Use the control panel buttons (MENU, UP, DOWN, ENTER) to navigate and set your preferred mode.



The diagram illustrates the control panel of the SUNVIE transformer, which features a digital display showing the time 8:30. The panel includes several indicator lights and buttons for mode selection. The five operating modes are represented by icons and labels:

- MANUAL ON/OFF**: Represented by a hand icon pointing to a button.
- AUTO ON/OFF**: Represented by a sun icon.
- PHOTOCELL ON TIME OFF**: Represented by a clock icon with a gear.
- TIME ON/OFF**: Represented by a clock icon with an hourglass.
- TEST**: Represented by a circular arrow icon.

The control panel also includes a digital display showing the time 8:30, and buttons for **CLOCK**, **AM**, **PM**, **TEST**, **MANUAL ON/OFF**, **PHOTO EYE AUTO ON/OFF**, **TIME ON/OFF**, **PHOTO EYE ON TIMER OFF**, **MENU**, **UP**, **DOWN**, and **ENTER**.

Easy to operate

Press menu to select your preferred mode in turn.

Memory function: It will maintain the mode you previously selected after power off and restart.

The intuitive control panel for easy operation and mode selection.

6.1 Manual ON/OFF Mode

In this mode, the landscape lights will remain continuously ON or OFF, regardless of daylight conditions or set times. This is ideal for manual control when specific lighting is needed.



Illustration of Manual ON/OFF mode, where lights stay on or off as selected.

6.2 Automatic ON/OFF (Dusk to Dawn) Mode

Utilizes the photocell sensor to automatically turn lights ON at dusk and OFF at dawn. This provides hands-free operation and energy savings.



Illustration of Dusk to Dawn mode, showing lights activating at sunset and deactivating at sunrise.

6.3 Photocell ON/Timer OFF Mode

Lights turn ON automatically at dusk via the photocell sensor and then turn OFF after a set number of hours (e.g., 4H, 6H, 8H, 10H). This is ideal for evening illumination for a specific duration.



Illustration of Photocell ON/Timer OFF mode, where lights turn on at dusk and off after a set time.

6.4 Timer ON/OFF Mode

Allows you to set specific ON and OFF times for your landscape lights. This provides precise control over your lighting schedule.



Illustration of Timer ON/OFF mode, allowing custom on and off times.

6.5 Test Mode

A short test mode to quickly check if your lights are properly connected and functioning. The lights will turn on for a brief period and then turn off.



Illustration of Test Mode, for quick verification of light functionality.

7. MAINTENANCE

To ensure optimal performance and longevity of your SUNVIE transformer, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically wipe down the exterior of the transformer with a soft, damp cloth to remove dust and debris. Ensure the photocell sensor is clean and unobstructed.
- **Inspect Connections:** Annually check all wire connections to ensure they are secure and free from corrosion. Tighten any loose terminals.
- **Check for Damage:** Inspect the power cord, sensor cord, and transformer casing for any signs of wear, cracks, or damage. If damage is found, replace the unit or contact customer support.
- **Weather Protection:** While the transformer is waterproof, avoid submerging it in water. Ensure it is mounted in a location that allows for proper drainage and prevents standing water.

8. TROUBLESHOOTING

If you encounter issues with your transformer, try the following solutions:

Problem	Possible Cause	Solution
Lights not turning ON	No power to transformer Loose wire connections Overload protection tripped Photocell sensor obstructed Incorrect mode setting	Check power outlet and circuit breaker Tighten all terminal connections Reset overload protector (if applicable) Clear obstruction from photocell; ensure it's uncovered Verify correct operating mode is selected
Lights flickering	Loose connections Voltage drop (long wire runs) Faulty bulbs/fixtures	Check and tighten all connections Use 14V output terminals or thicker gauge wire Test individual lights; replace faulty ones

Problem	Possible Cause	Solution
Lights stay ON during day	Photocell sensor obstructed or covered Photocell sensor faulty	Ensure photocell is clean and exposed to natural light Contact customer support for replacement
Lights not turning OFF	Incorrect timer setting Photocell sensor faulty	Adjust timer settings in the selected mode Contact customer support for replacement

If the problem persists after trying these solutions, please contact SUNVIE customer support.

9. SPECIFICATIONS

Attribute	Value
Brand	SUNVIE
Model Number	SUNVIE-300W-LOW-VOLTAGE-TRANS-f63d76d697
Power Source	Corded Electric
Input Voltage	120V AC
Output Voltage	12V/14V AC
Max Wattage	200W
Product Dimensions	3.5"D x 5.4"W x 7.9"H
Mounting Type	Wall Mount
Specification Met	UL
Date First Available	September 21, 2022
Country of Origin	China

10. WARRANTY AND SUPPORT

SUNVIE provides a 12-month replacement warranty for this product. We are committed to ensuring your satisfaction and offer lifetime after-sale support.

If you have any questions, concerns, or require assistance with your SUNVIE 200W Landscape Lighting Transformer, please do not hesitate to contact our customer support team. Please refer to your purchase documentation for specific contact details or visit the official SUNVIE website.

We aim to provide prompt and helpful assistance to resolve any issues you may encounter.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question