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SUNVIE LVTMH100W

SUNVIE 100W Low Voltage Landscape Transformer User Manual

Model: LVTMH100W

Product Overview

The SUNVIE 100W Low Voltage Landscape Transformer is designed to convert 120V AC to a safe 12V DC voltage, providing an energy-efficient solution for your outdoor LED low voltage lighting systems. This weatherproof transformer features a photocell sensor for automatic dusk-to-dawn operation, a countdown timer, and a memory function to maintain your preferred settings even after a power outage. It also includes built-in circuit protection for enhanced safety and durability.



Image: Front view of the SUNVIE 100W Low Voltage Landscape Transformer, showing its compact design and control panel.

What's in the Box

Upon opening the package, you will find the following components:

- 100W Low Voltage Transformer
- User Manual

- Photocell Sensor with 6.8ft UL-listed cord
- Bracket for Photocell Sensor
- Metal Mounting Plate Kit (with concrete anchors) for Transformer



Image: The transformer box opened, showing the user manual, photocell sensor, and mounting accessories.

Setup and Installation

Follow these steps to properly set up your SUNVIE Low Voltage Landscape Transformer:

1. **Mounting the Transformer:** Use the provided metal mounting plate and concrete anchors to securely mount the transformer to a wall or suitable surface. Ensure it is placed in a location that allows for proper ventilation and access to a 120V AC power outlet.
2. **Connecting Landscape Lights:**
    - Strip approximately 1/2 inch of insulation from the ends of your landscape light wires.
    - Insert the stripped wires into the terminal block at the bottom of the transformer. The transformer has two sets of terminal blocks for easy wiring.
    - Tighten the screws on the terminal block to secure the wires. Ensure connections are tight and insulation clears the pressure plate.
    - The total wattage of connected lights should not exceed 100W.
3. **Connecting the Photocell Sensor:** Plug the photocell sensor's threaded connection into the designated port on the transformer. Ensure it is securely tightened to prevent loose contacts. The 6.8ft cord allows for flexible placement of the sensor outdoors, even if the transformer is installed indoors.
4. **Powering On:** Plug the transformer's power cord into a 120V AC outlet.

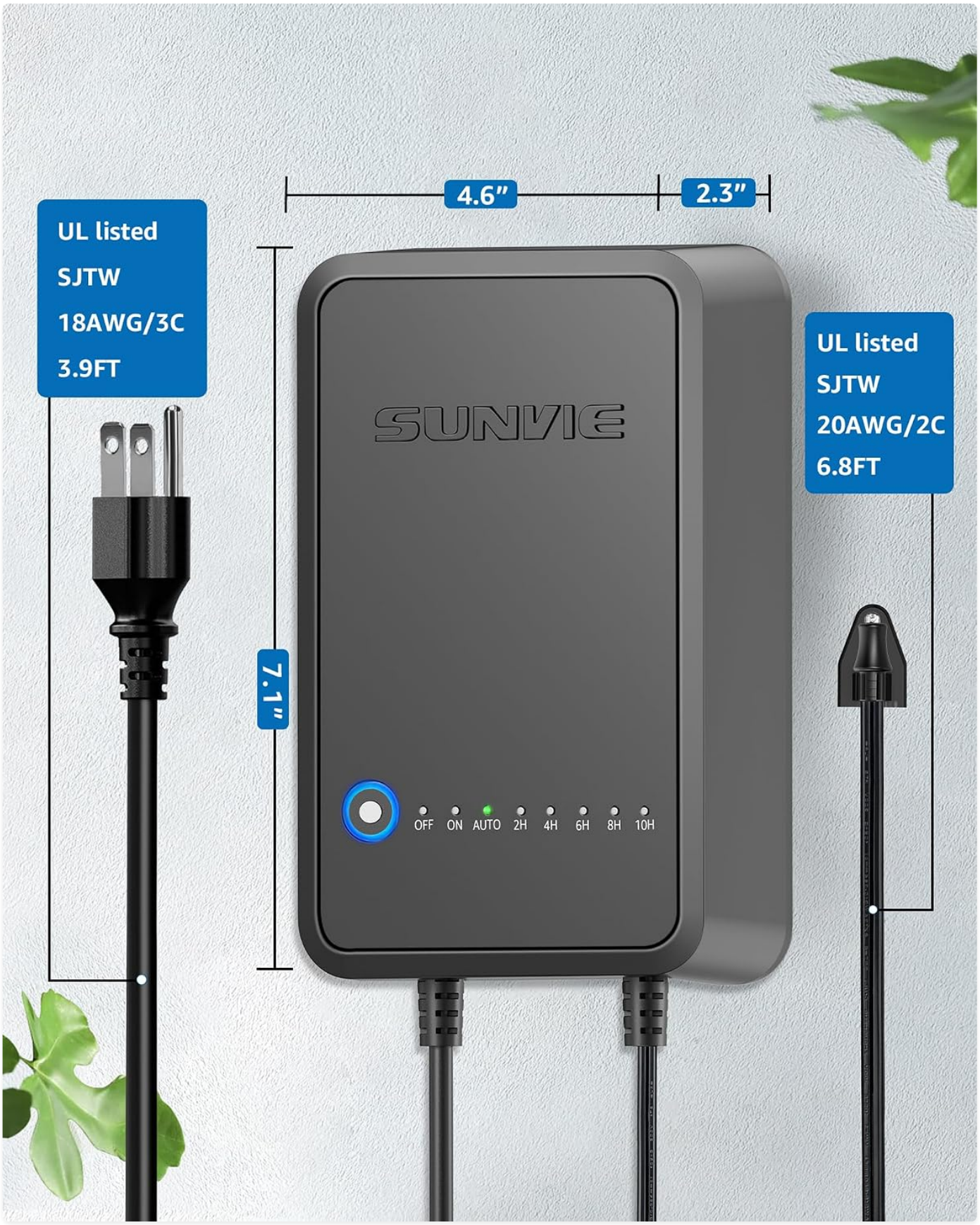


Image: Detailed diagram illustrating how to connect the photocell sensor and landscape light wires to the transformer's terminal output ends.



Image: Product dimensions and cable specifications for the transformer and photocell sensor.

Installation Video Guide

Your browser does not support the video tag.

Video: An official SUNVIE video demonstrating the unboxing, accessory breakdown, wiring connections, and basic operation of the 100W Low Voltage Landscape Transformer. This video provides a visual guide to the setup process.

Operating Instructions

The SUNVIE transformer offers multiple operating modes for your convenience:

- **Manual ON/OFF:** Press the control button to manually turn the lights on or off.
- **Dusk to Dawn (AUTO):** In this mode, the transformer will automatically turn on your lights at dusk and turn them off at dawn, based on the ambient light detected by the photocell sensor.
- **Countdown Timer:** Select from 2, 4, 6, 8, or 10-hour countdown modes. The lights will turn on at dusk and remain on for the selected duration before automatically turning off.
- **Memory Function:** The transformer retains the last set mode even after a power outage, ensuring consistent operation without needing to reset.



Image: Visual representation of the manual ON/OFF, dusk to dawn, countdown, and memory functions of the transformer.



Image: Illustration of the photocell sensor's function, showing lights automatically turning on at dusk and off at dawn.

Maintenance

The SUNVIE 100W Low Voltage Landscape Transformer is designed for durability and minimal maintenance. It is constructed with high-performance, dustproof, and weatherproof materials to withstand various outdoor conditions, including sun exposure and snow. Regularly inspect the unit and connections for any visible damage or debris. Ensure the photocell sensor's weatherproof cover is open for normal operation and clear of obstructions to accurately detect light levels.



Image: Depiction of the transformer's weatherproof capabilities, showing it in rainy and snowy conditions.

Troubleshooting

The transformer is equipped with a built-in automatic circuit breaker for protection. If your lights are not functioning, consider the following:

- **No Power/Lights Off:** Check if the circuit breaker has tripped due to a short circuit or overload. The transformer will automatically cut off power to protect your fixtures.
- **Restoring Operation:** After troubleshooting and resolving the issue (e.g., fixing a short, reducing load), the landscape transformer will resume normal operation.
- **Photocell Sensor Issues:** Ensure the photocell sensor's weatherproof cover is open and that it is not obstructed by dirt, debris, or other objects that might block light detection. The sensor has a 60-second delay to prevent interference from abnormal light sources.



Image: Visual explanation of the circuit protection feature, showing how the transformer disconnects power during abnormal conditions.

Specifications

Feature	Detail

Feature	Detail
Product Dimensions	2.3"D x 4.6"W x 47.1"H (Note: 47.1"H seems to be a typo in source data, likely referring to cable length or packaging. Actual unit dimensions are compact as seen in images.)
Item Model Number	LVTMH100W
Manufacturer	SUNVIE
Power Source	Corded Electric
Mounting Type	Wall Mount
Specification Met	UL Listed
Input Voltage	120V AC
Output Voltage	12V DC
Max Wattage	100W

Warranty & Support

SUNVIE offers a **12-month replacement warranty** for this product, along with a **lifetime after-sales support guarantee**. For any inquiries, technical assistance, or warranty claims, please contact SUNVIE customer support.
Email Support: Support@sunvielighting.com
The product also comes with a 30-day return/replacement policy from the date of purchase.

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