

SMY Lighting 100W Outdoor Low Voltage Transformer with Recessed Deck Lights Kit

SMY Lighting 100W Low Voltage Transformer & Recessed Deck Lights User Manual

Model: 100W Outdoor Low Voltage Transformer with Recessed Deck Lights Kit

1. INTRODUCTION

Thank you for choosing the SMY Lighting 100W Outdoor Low Voltage Transformer with Recessed Deck Lights. This product is designed to provide reliable and aesthetically pleasing outdoor lighting for your garden, yard, stairs, patio, and other outdoor spaces. This manual provides essential information for safe installation, operation, and maintenance of your lighting system. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- Always disconnect power before installing, servicing, or cleaning the unit.
- Ensure all electrical connections comply with local codes and ordinances.
- This product is designed for outdoor use and is waterproof (IP67 for lights, weatherproof for transformer). However, avoid submerging the transformer in water.
- Do not exceed the maximum wattage capacity of the transformer (100W).
- Use only 12V DC low voltage LED lights with this transformer.
- Keep children away from electrical components during installation and operation.
- If any damage is observed, discontinue use immediately and contact customer support.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged:

- 1 x 100W Outdoor Low Voltage Transformer with Timer and Photocell Sensor
- 16 x Recessed LED Deck Lights (φ32mm, warm white)
- 6 x Upgrade Version Recessed LED Deck Lights (warm white, with silver trim)

- Necessary connecting cables and accessories

4. PRODUCT FEATURES

4.1. 100W Low Voltage Transformer

The transformer converts 120V AC household current to a safe 12V DC for your LED landscape lighting. It features advanced control options for convenience and energy efficiency.



Image 4.1: The 100W Low Voltage Transformer with its control panel, illustrating its functions including ON/OFF, Always ON/OFF, Photocell Sensor, Countdown Timer, and Memory Function. The image also shows a comparison of an outdoor light fixture before and after being lit.

- **Timer Function:** Set the lights to turn off after a specified duration (e.g., 1H, 3H, 5H, 9H).
- **Photocell Sensor:** Automatically turns lights on at dusk and off at dawn.
- **Memory Function:** Retains the last setting even after power interruption.

- **Weatherproof Design:** Suitable for outdoor installation.



Image 4.2: The 100W Low Voltage Transformer mounted on an outdoor brick wall, emphasizing its weather-durable, corrosion-resistant, and overload/short circuit protection features. It also highlights its ETL listing for safety and quality.

4.2. Recessed LED Deck Lights

The kit includes two types of recessed LED deck lights, both designed for easy installation and long-lasting performance.



Image 4.3: A visual representation of the 16-pack recessed LED deck lights, showing individual units and an example of them installed along outdoor stairs, providing ambient lighting.

- **High Brightness:** Provides impressive starry effects, creating a comfortable ambiance.
- **Dimmable:** (Requires compatible dimmer, not included with transformer).
- **IP67 Waterproof:** Suitable for ground, outdoor, and wet locations.
- **Low Voltage (12V):** Safe for outdoor use.
- **Durable Construction:** Designed for longevity in various outdoor conditions.



Image 4.4: The 6-pack of upgrade version recessed LED deck lights, featuring a silver trim, alongside their dedicated power supply. These lights are also designed for outdoor use.

5. SETUP AND INSTALLATION

5.1. Transformer Placement

1. Choose a suitable outdoor location for the transformer, ensuring it is protected from direct heavy rain and easily accessible.
2. Mount the transformer securely to a wall or sturdy surface using appropriate fasteners. Ensure the photocell sensor is not obstructed for optimal dusk-to-dawn operation.
3. Plug the transformer into a standard 120V AC outdoor GFCI outlet.

5.2. Deck Light Installation

The deck lights are designed for recessed installation in various surfaces such as wood, composite decking, or concrete.

1. **Plan Layout:** Determine the desired locations for each deck light. Ensure adequate spacing for even illumination and ease of wiring.
2. **Drill Holes:** Using an appropriate drill bit (typically $\phi 32\text{mm}$ for the standard lights), drill holes at your marked locations. Ensure the depth is sufficient for the light fixture and its protective shell.
3. **Insert Lights:** Gently push each LED deck light into its drilled hole until it sits flush with the surface.
4. **Connect Wiring:** Connect the cables from the deck lights to the low voltage output terminals of the transformer. Ensure correct polarity if specified (usually indicated by markings on the wires or connectors). Use waterproof connectors for all outdoor connections.
5. **Secure Cables:** Route and secure all cables to prevent tripping hazards and protect them from damage.



Image 5.1: An example of SMY Lighting recessed deck lights seamlessly installed into outdoor wooden stairs and a deck, demonstrating their aesthetic integration and functional illumination.



Image 5.2: A nighttime view of SMY Lighting recessed deck lights installed on outdoor wooden stairs, providing clear and safe illumination for pathways.

6. OPERATING INSTRUCTIONS

The transformer offers several operating modes controlled via its panel or a remote control (if included with your specific model).

6.1. Power On/Off

Press the **ON/OFF** button on the transformer to manually turn the lights on or off.

6.2. Photocell Sensor Mode (Auto)

Select the **Auto** mode. The built-in photocell sensor will detect ambient light levels. The lights will automatically turn on at dusk and turn off at dawn.

6.3. Countdown Timer Mode

In Auto mode, you can also set a countdown timer. After the lights turn on at dusk, they will remain on for the selected duration (e.g., 1H, 3H, 5H, 9H) and then turn off automatically. The timer starts counting once the lights activate at dusk.

6.4. Always ON/OFF Mode

This mode allows you to override the sensor and timer functions, keeping the lights continuously on or off until manually changed.

6.5. Memory Function

The transformer is equipped with a memory function that saves your last selected operating mode (Auto, Timer, Always ON/OFF). If power is interrupted, the unit will resume the last setting once power is restored.

7. MAINTENANCE

- **Cleaning:** Periodically clean the transformer and deck lights with a soft, damp cloth to remove dirt and debris. Ensure the photocell sensor on the transformer is clean and unobstructed for proper operation. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect all cables and connections for any signs of wear, damage, or corrosion. Ensure all connections remain secure and waterproof.
- **Light Replacement:** LED lights are designed for long life and are generally not user-replaceable. If a light fails, contact customer support for assistance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer. Loose or incorrect wiring. Photocell sensor obstructed or in bright area. Transformer overload.	Check power outlet and GFCI. Verify all connections are secure and correct. Ensure photocell is clean and in a dark area at dusk. Reduce the number of connected lights or total wattage.
Lights stay on during the day.	Photocell sensor obstructed or faulty. Incorrect mode selected.	Clean photocell sensor; ensure no light source is directly hitting it. Verify Auto mode is selected.
Lights flicker or are dim.	Loose connection. Insufficient power. Damaged cable/light.	Check all wiring connections. Ensure total wattage of lights does not exceed 100W. Inspect cables and lights for damage; replace if necessary.
Timer function not working.	Incorrect timer setting. Photocell not detecting dusk.	Ensure a timer duration is selected after entering Auto mode. Check photocell sensor for obstructions.

9. SPECIFICATIONS

Feature	Specification
Brand	SMY Lighting
Model	100W Outdoor Low Voltage Transformer with Recessed Deck Lights Kit
Transformer Input	120V AC
Transformer Output	12V DC
Transformer Wattage	100 Watts (Max)
Light Source Type	LED
Light Color	Warm White
Brightness	Up to 1500 Lumens (Total)
Water Resistance Level	Transformer: Weatherproof; Lights: IP67 Waterproof
Control Method	Remote Control (if included) / Manual Buttons
Special Features	Timer, Photocell Sensor, Memory Function, Overload/Short Circuit Protection
Certifications	ETL Listed

10. WARRANTY AND SUPPORT

SMY Lighting products are manufactured to high-quality standards. This product comes with a**12-month warranty** from the date of purchase, covering defects in materials and workmanship.

If you encounter any issues or have questions regarding your SMY Lighting product, please contact our customer support team. Provide your purchase details and a description of the issue for prompt assistance.

Customer Support: Please refer to the contact information provided with your purchase or visit the official SMY Lighting website for support.

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