

SMY Lighting Low Voltage Landscape Transformer

SMY Lighting Low Voltage Landscape Transformer User Manual

Model: Low Voltage Landscape Transformer

1. INTRODUCTION

Thank you for choosing the SMY Lighting Low Voltage Landscape Transformer. This device is designed to provide safe and reliable power for your outdoor low-voltage lighting systems, converting standard 120V AC household current to a safe 12V or 14V AC output. Featuring a built-in photocell sensor and timer, it offers automated control for enhanced convenience and energy efficiency. Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the lifespan of your transformer.

2. SAFETY INSTRUCTIONS

Always follow these safety precautions to reduce the risk of fire, electric shock, or injury.

- **Read all instructions:** Before installing or using the transformer, read and understand all instructions.
- **Electrical Safety:** Disconnect power at the circuit breaker before servicing or installing the transformer. Ensure the transformer is connected to a Ground Fault Circuit Interrupter (GFCI) protected outlet.
- **Outdoor Use Only:** This transformer is designed for outdoor use. Ensure it is mounted in a location protected from direct water spray from sprinklers or hoses.
- **Proper Wiring:** Use only low-voltage landscape lighting cable (12-18 gauge) suitable for direct burial or outdoor use. Do not exceed the transformer's maximum wattage output.
- **Mounting:** Mount the transformer at least 1 foot (30 cm) above ground level to prevent water damage.
- **No User Serviceable Parts:** Do not attempt to open or repair the transformer. Refer all servicing to qualified personnel.
- **Children and Pets:** Keep the transformer and wiring out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- SMY Lighting Low Voltage Landscape Transformer
- Photocell Sensor (integrated or separate, depending on model)
- Mounting Hardware (screws, wall anchors)
- User Manual (this document)

4. SETUP

4.1 Mounting the Transformer

Choose a suitable outdoor location for mounting the transformer. It should be:

- Near a GFCI-protected 120V AC outdoor outlet.
- At least 1 foot (30 cm) above ground level.
- In an area that allows for proper ventilation and is not exposed to direct water spray.
- Within reach of your low-voltage lighting cables.

Use the provided mounting hardware to securely attach the transformer to a wall or sturdy post. Ensure the transformer is level.

4.2 Wiring the Transformer

Before wiring, ensure the transformer is unplugged from the power outlet.

1. **Prepare Lighting Cables:** Strip approximately 1/2 inch (1.2 cm) of insulation from the ends of your low-voltage landscape lighting cables.
2. **Connect to Terminals:** Locate the low-voltage output terminals on the transformer (typically marked 12V and 14V). The 14V terminal is recommended for longer cable runs or when more brightness is desired. Insert one stripped wire end into each terminal opening.
3. **Secure Connections:** Tighten the terminal screws firmly to ensure a secure electrical connection. Tug gently on the wires to confirm they are properly seated.
4. **Route Cables:** Route your low-voltage cables to your landscape lights, ensuring they are buried or otherwise protected from damage.



Image: SMY Lighting Low Voltage Landscape Transformer showing the main unit and wiring terminals. The image illustrates the compact design and the connection points for low-voltage cables.

5. OPERATION

5.1 Powering On

Once all wiring is complete and secure, plug the transformer's power cord into a GFCI-protected 120V AC outdoor outlet. The transformer should power on, and the lights connected to it should illuminate if the timer/photocell settings allow.

5.2 Timer Settings

The transformer features a built-in timer for automated operation. Refer to the control panel on the transformer for specific timer settings. Common settings include:

- **ON:** Lights remain on continuously.

- **OFF:** Lights remain off.
- **AUTO/Photocell:** Lights turn on at dusk and off at dawn (controlled by the photocell sensor).
- **2H/4H/6H/8H:** Lights turn on at dusk and remain on for 2, 4, 6, or 8 hours respectively, then turn off.

To adjust the timer, press the 'MODE' or 'TIMER' button until the desired setting is displayed or selected.

5.3 Photocell Sensor

The integrated photocell sensor detects ambient light levels. When the transformer is set to 'AUTO' or a timed setting (e.g., 2H, 4H), the photocell will activate the lights at dusk and deactivate them at dawn (or after the set duration). Ensure the photocell sensor is not obstructed by objects, dirt, or debris, as this can affect its performance.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your transformer.

- **Clean the Photocell:** Periodically wipe the photocell sensor with a soft, damp cloth to remove dirt, dust, or spiderwebs that may obstruct light detection.
- **Inspect Wiring:** Annually inspect all low-voltage wiring for damage, fraying, or exposed conductors. Repair or replace damaged sections immediately.
- **Check Connections:** Ensure all terminal connections remain tight. Loose connections can cause flickering lights or power loss.
- **Keep Clear:** Ensure the transformer's ventilation openings are not blocked by leaves, debris, or snow.
- **Clean Exterior:** Wipe the exterior of the transformer with a damp cloth as needed to keep it clean. Do not use harsh chemicals or abrasive cleaners.

7. TROUBLESHOOTING

If you encounter issues with your transformer, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer; loose wiring; faulty bulb; photocell obstructed; incorrect timer setting.	Check GFCI outlet; ensure transformer is plugged in; verify wiring connections; test bulbs; clear photocell; adjust timer setting.
Lights flicker or are dim.	Loose wiring; overloaded circuit; too long cable run; corroded connections.	Tighten wiring connections; reduce number of lights; use 14V terminal for longer runs; clean connections.
Lights stay on during the day.	Photocell obstructed or faulty; incorrect timer setting.	Clear photocell; ensure it's not in shadow; set timer to 'AUTO' or a timed duration.
Transformer hums loudly.	Overloaded circuit; internal issue.	Reduce load by disconnecting some lights; if humming persists, discontinue use and contact support.

8. SPECIFICATIONS

Feature	Detail
Input Voltage	120V AC, 60Hz
Output Voltage	12V AC / 14V AC
Max Wattage Output	(Specific wattage not provided, refer to product packaging)
Timer Functions	ON, OFF, AUTO (Photocell), 2H, 4H, 6H, 8H
Sensor Type	Photocell (Dusk-to-Dawn)
Enclosure Rating	Weatherproof (suitable for outdoor use)
ASIN	B0D9P916MP

9. WARRANTY AND SUPPORT

SMY Lighting products are manufactured to high-quality standards. This product comes with a limited warranty against defects in materials and workmanship. For specific warranty details, please refer to the warranty card included with your product or visit the official SMY Lighting website. If you require technical assistance or have questions not covered in this manual, please contact SMY Lighting customer support through the retailer's platform or the contact information provided on our website.

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