

[Manuals.plus](#) /

› [SMY Lighting](#) /

› SMY Lighting 400W Low Voltage Landscape Transformer User Manual

SMY Lighting BYQ-400W

SMY Lighting 400W Low Voltage Landscape Transformer User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your SMY Lighting 400W Low Voltage Landscape Transformer. This device converts 120V AC household voltage to a safe 12V/14V AC for low-voltage landscape lighting systems. It features a photocell sensor and multiple timer modes for automated control of your outdoor lighting.



The SMY Lighting 400W Low Voltage Landscape Transformer, showing its input and output specifications.

SETUP GUIDE

Installation Steps

Follow these steps for proper installation of your low voltage landscape transformer:

1. **Mounting:** Select a suitable location for wall mounting. The transformer should be installed at a height of 1m-1.5m (39-

59 inches) from the ground. Mark and punch holes on the wall according to the transformer's mounting points. Securely fix the transformer to the wall using appropriate screws.

2. **Wiring:** Thread your low-voltage landscape lighting wires through the cable clips provided. Connect the wires to the appropriate 12V or 14V terminals on the transformer. Ensure all connections are secure and waterproofed. You can choose one or more terminals based on your lighting system's requirements.
3. **Power Connection:** Plug the transformer's 6ft power cord into a standard 120V AC outdoor-rated electrical outlet.

Installation Diagram



This image illustrates the four steps for installing the transformer: determining height, threading wires, inserting and tightening wires, and fixing the unit to the wall.



Choose any one or more terminals according to your needs

CIRCUIT BREAKER

Short circuit protection, can be recovered after troubleshooting

A detailed view of the wiring terminals (12V and 14V) and the circuit breaker, showing how to connect landscape lighting wires.

OPERATING INSTRUCTIONS

The SMY Lighting 400W transformer offers multiple operating modes to suit various lighting needs. Use the control panel buttons (MENU, Up, Down, ENTER) to navigate and select your desired mode.

Control Panel Overview

MANUAL ON/OFF

AUTO ON/OFF

PHOTOCELL ON TIME OFF

TIME ON/OFF

INDICATOR

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

This image shows the digital display and control buttons (MENU, Up, Down, ENTER) for setting the transformer's operating modes.

Available Modes:

- **Manual On/Off:** Allows you to manually turn the lights on or off as needed.
- **Automatic On/Off (Dusk to Dawn):** Utilizes the built-in photocell sensor to automatically turn lights on at dusk and off at sunrise.
- **Photocell On/Timer Off:** Lights turn on at dusk via the photocell sensor and turn off after a set duration (e.g., 4 hours, 6 hours).

- **Timer On/Off:** Allows you to set specific ON and OFF times for your lighting system.
- **Test Mode:** A short mode for testing the lighting system.

Memory Function:

The transformer includes a memory function that retains your last selected operating mode even after a power outage or restart, eliminating the need for frequent readjustment.

Product Features Video

Your browser does not support the video tag.

This video provides an overview of the SMY Lighting Low Voltage Transformer, demonstrating its features and various operating modes.

MAINTENANCE

The SMY Lighting 400W Low Voltage Landscape Transformer is designed for durability and weather resistance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe down the exterior of the transformer with a damp cloth to remove dust and debris. Ensure the photocell sensor is clean and unobstructed for accurate dusk-to-dawn operation.
- **Inspection:** Regularly inspect all wiring connections for any signs of wear, corrosion, or damage. Ensure the power cord is intact and free from cuts or abrasions.
- **Weather Protection:** While the unit is weatherproof, avoid submerging it in water. Ensure proper drainage around the installation area.

TROUBLESHOOTING

If you encounter issues with your SMY Lighting 400W Low Voltage Landscape Transformer, refer to the following common solutions:

- **Lights Not Turning On:**
 - Check the power connection to ensure the transformer is receiving power.
 - Verify the selected operating mode. If using a timer or photocell, ensure settings are correct.
 - Inspect all low-voltage wiring connections for looseness or damage.
 - Check the circuit breaker on the transformer. If tripped, reset it after identifying and resolving any overload issues.
- **Lights Not Turning Off:**
 - Ensure the photocell sensor is not obstructed or dirty, which might prevent it from detecting daylight.
 - Verify timer settings are correctly programmed.
- **Overload Protection Activated:**
 - The built-in circuit protection will disconnect power if an overload occurs. Disconnect some lights or check for short circuits in your landscape lighting system.
 - After resolving the overload, reset the circuit breaker on the transformer to resume operation.

PRODUCT SPECIFICATIONS

Feature	Detail
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Brand	SMY Lighting
Model	BYQ-400W
Power Source	Corded Electric
Input Voltage	120V AC
Output Voltage	12V/14V AC
Wattage	400W
Current Rating	33 A
Product Dimensions	4.13"D x 5.9"W x 9.7"H
Mounting Type	Wall Mount
Frequency	50-60 Hz
Included Components	Screw
Certification	FCC

WARRANTY INFORMATION

SMY Lighting provides a **12-month replacement warranty** for this 400W Low Voltage Landscape Transformer from the date of purchase. This warranty covers manufacturing defects and ensures product functionality under normal use. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims, SMY Lighting offers **lifetime after-sale support guarantee**. Please contact our customer service team through the retailer's platform or visit the official SMY Lighting website for contact information.

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