



[Manuals.plus](#) /

› [Portfolio](#) /

› Portfolio 120-Watt Landscape Lighting Transformer with Digital Timer and Dusk-To-Dawn Sensor User Manual

## Portfolio 43237-2

# Portfolio 120-Watt Landscape Lighting Transformer User Manual

Model: 43237-2

## 1. INTRODUCTION

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The Portfolio 120-Watt Landscape Lighting Transformer is designed to power 12-volt landscape lighting systems. It features a built-in digital timer and a dusk-to-dawn sensor for automated operation, providing convenience and energy efficiency for your outdoor lighting needs.

This manual provides essential information for the safe installation, operation, and maintenance of your transformer. Please read it thoroughly before use and retain it for future reference.



Image showing the front view of the Portfolio 120-Watt Landscape Lighting Transformer, featuring its digital display and compact design.

## 2. SAFETY INFORMATION

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**WARNING:** To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- Read all instructions before installing or using this product.
- This transformer is intended for outdoor use only.
- Always disconnect power at the circuit breaker before installation or servicing.
- Ensure the transformer is properly grounded.
- Do not immerse the transformer in water.
- Do not overload the transformer. Ensure the total wattage of connected lights does not exceed 120 watts.
- Use only with 12-volt landscape lighting systems.
- Compatible with 12, 14, or 16 gauge low-voltage cable.
- Keep children away from electrical components.

## 3. PACKAGE CONTENTS

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- 1 x Portfolio 120-Watt Landscape Lighting Transformer (Model: 43237-2)
- Instruction Manual

## 4. PRODUCT FEATURES

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- **120 Watt Capacity:** Provides ample power for various low-voltage landscape lighting setups.
- **Digital Display:** Built-in digital display for simple and easy operation and programming.
- **Dusk-to-Dawn Sensor:** Automatically powers lights on at dusk and off at dawn.

- **Easy Installation:** Designed for quick setup with user-friendly features.
- **Flexible Wiring:** Equipped with 2 terminal connections for versatile low-voltage cable routing.
- **Durable Construction:** Made from plastic with a painted finish, suitable for outdoor environments.

## 5. SETUP

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### 5.1 Mounting the Transformer

1. Select a suitable outdoor location near a 120V GFCI-protected outlet. The transformer is designed for rail mount installation.
2. Use the provided template (if applicable) to mark the positions for mounting screws.
3. Securely mount the transformer to a sturdy surface using two appropriate screws. Ensure it is firmly attached to prevent movement.

### 5.2 Wiring the Landscape Lights

1. Ensure the transformer is unplugged from the power outlet.
2. Route your low-voltage landscape lighting cable (12, 14, or 16 gauge) from your lights to the transformer.
3. Connect the low-voltage cables to the two terminal connections on the transformer. Ensure a secure connection for both wires.
4. Verify all connections are tight and properly insulated.

### 5.3 Power Connection

Once all low-voltage connections are made, plug the transformer's power cord into a 120V GFCI-protected outdoor electrical outlet.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Digital Display and Controls

The transformer features a digital display and control buttons for setting the time and programming the lighting schedule. Refer to the on-screen prompts and button labels for specific programming steps.

### 6.2 Setting the Current Time

Follow the instructions on the digital display to set the current time. Accurate time setting is crucial for proper timer and dusk-to-dawn sensor operation.

### 6.3 Dusk-to-Dawn Operation

The integrated photo eye sensor automatically detects ambient light levels. When set to dusk-to-dawn mode, the transformer will turn on your landscape lights when it gets dark and turn them off when it becomes light. Ensure the photo eye sensor is not obstructed by objects or other light sources (e.g., security floodlights) to ensure accurate operation.

### 6.4 Timer Programming

In addition to dusk-to-dawn, the digital timer allows for custom lighting schedules. You can program the lights to turn on and off at specific times. Consult the digital display interface for detailed instructions on setting custom timer programs.

## 7. MAINTENANCE

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- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspect Connections:** Regularly check all low-voltage cable connections to ensure they remain tight and free from corrosion.
- **Sensor Check:** Ensure the dusk-to-dawn sensor is clean and unobstructed for optimal performance.
- **Damage Inspection:** Inspect the power cord and transformer housing for any signs of damage. If damage is found, discontinue use and contact customer support.

## 8. TROUBLESHOOTING

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### 8.1 Lights Not Turning On

- **Check Power:** Ensure the transformer is securely plugged into a working GFCI outlet. Test the outlet with another device.
- **Circuit Breaker:** Verify that the circuit breaker for the outlet has not tripped.
- **Low-Voltage Connections:** Inspect all low-voltage wiring connections at the transformer and at each light fixture for looseness or corrosion.
- **Sensor/Timer Settings:** Confirm the dusk-to-dawn sensor is not obstructed and the timer settings are correctly programmed.
- **Overload:** Ensure the total wattage of connected lights does not exceed the transformer's 120-watt capacity.

### 8.2 Lights Not Turning Off

- **Dusk-to-Dawn Sensor:** Check if the photo eye sensor is obstructed or exposed to artificial light sources (e.g., porch lights, security lights) that might prevent it from detecting dawn.
- **Timer Settings:** Review your programmed timer settings to ensure the 'off' time is correctly set.

### 8.3 Transformer is Noisy

- Ensure the transformer is securely mounted. Loose mounting can sometimes cause vibrations and noise.
- If the noise persists and is excessive, disconnect power and contact customer support.

## 9. SPECIFICATIONS

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<b>Brand</b>	Portfolio
<b>Model Number</b>	43237-2
<b>Wattage</b>	120 Watts
<b>Input Voltage</b>	120 Volts
<b>Output Voltage</b>	12 Volts (Low-Voltage)
<b>Power Source</b>	Corded Electric
<b>Mounting Type</b>	Rail Mount
<b>Material</b>	Plastic
<b>Color</b>	Black

<b>Item Weight</b>	6.95 pounds (3.16 kg)
<b>Package Dimensions</b>	12.7 x 12.3 x 9.6 inches

## 10. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the product packaging or contact Portfolio customer service directly. Keep your purchase receipt as proof of purchase.