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## Tiffcofio 1537

# Tiffcofio 100W Low Voltage Landscape Transformer Instruction Manual

Model: 1537

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Tiffcofio 100W Low Voltage Landscape Transformer. This device is designed to convert standard 120VAC household current to a safe 12VAC low voltage, suitable for outdoor landscape lighting systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.



*Image 1.1: Front view of the Tiffcofio 100W Low Voltage Landscape Transformer, showing the digital display and control buttons.*

## 2. SAFETY INFORMATION

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**WARNING:** To reduce the risk of fire or electric shock, observe the following precautions:

- Always disconnect power at the circuit breaker before installing or servicing the transformer.
- This transformer is designed for outdoor use. Ensure it is mounted in a location that allows for proper ventilation and is protected from direct water spray.
- Do not immerse the transformer in water.
- Do not connect two or more transformers in parallel.
- Ensure all wiring connections are secure and properly insulated.
- Do not exceed the maximum wattage rating of 100W for this transformer.
- Use only with low voltage landscape lighting fixtures.
- Installation should be performed by a qualified electrician if you are unsure about any steps.

## 3. PACKAGE CONTENTS

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Verify that all components are present in the package:

- Tiffcofio 100W Low Voltage Landscape Transformer
- Mounting Screws (quantity as supplied)
- Instruction Manual (this document)

## 4. PRODUCT FEATURES

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The Tiffcofio 100W Low Voltage Landscape Transformer offers several key features for efficient and reliable outdoor lighting control:

- **Voltage Conversion:** Converts 120VAC high voltage to 12VAC low voltage for safe landscape lighting.
- **Photocell Dusk to Dawn Sensor:** Built-in sensor automatically controls lights based on ambient light levels.
- **Multiple Timer Functions:** Includes 9 countdown functions (ON at dusk, OFF after 1-9 hours), Always ON/OFF modes, and a DUSK function (ON at dusk, OFF at dawn).
- **Easy Operation:** Simple UP and DOWN buttons for mode selection.
- **Memory Function:** Retains the last selected mode after power interruptions.
- **Durable & Waterproof Design:** Constructed with a sturdy metal shell and waterproof structure for outdoor use.
- **Safety Certified:** ETL Listed for safety and reliability.
- **Dual Output Zones:** Features two 12VAC output terminals for connecting multiple lighting circuits.
- **Integrated Circuit Breaker:** Provides overload and short-circuit protection.

# Convert Safe Low-Voltage Electricity 120V to 12V

# 100W

INPUT  
125V  
AC

OUTPUT  
12V  
AC

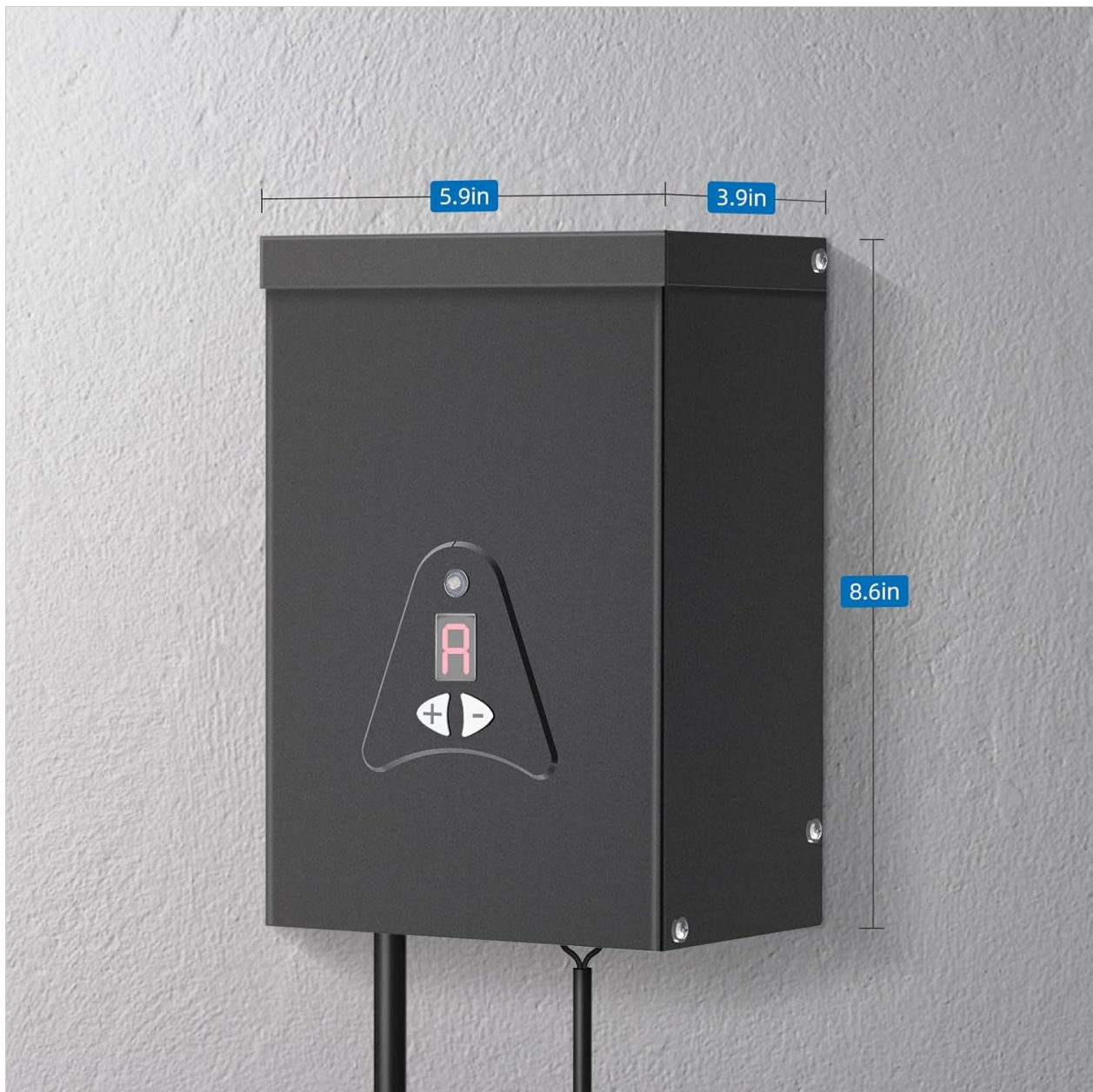


*Image 4.1: Illustration of the transformer's function, converting 125V AC input to 12V AC output for low voltage lighting.*

## 5. SETUP AND INSTALLATION

### 5.1 Mounting the Transformer

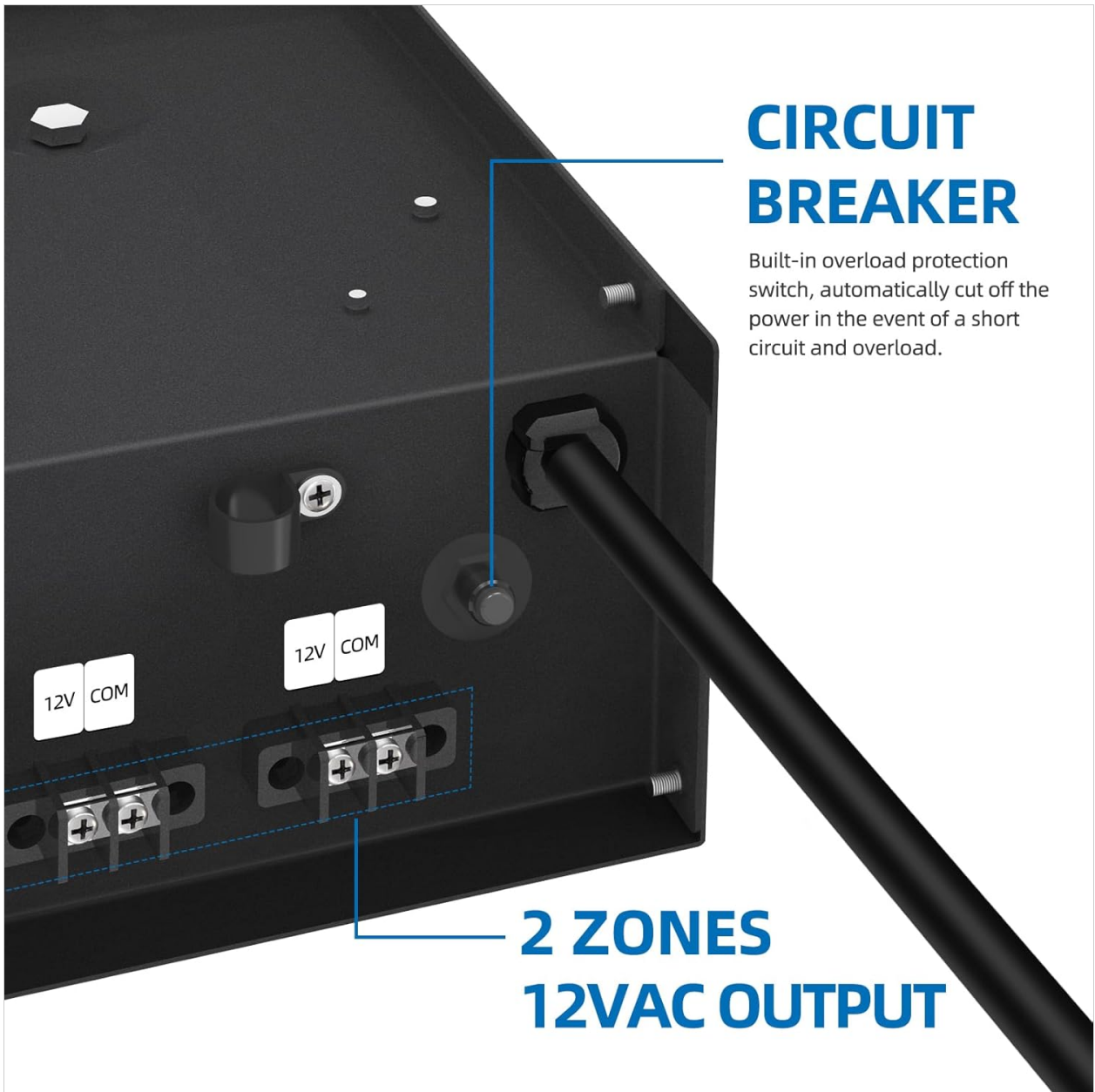
1. Choose a suitable outdoor location for mounting. The location should be near a 120VAC GFCI-protected outlet and allow for the low voltage cables to reach your lighting fixtures.
2. Ensure the mounting surface is sturdy and can support the weight of the transformer.
3. Use the provided mounting screws to securely attach the transformer to the wall. The transformer features two mounting holes for easy installation.



*Image 5.1: Example of wall mounting and key dimensions of the transformer (5.9in width, 3.9in depth, 8.6in height).*

## **5.2 Wiring the Landscape Lights**

1. Ensure the transformer is unplugged from the 120VAC outlet.
2. Route your low voltage landscape lighting cables to the transformer.
3. Connect the low voltage cables to the 12VAC output terminals located at the bottom of the transformer. This model features two output zones (12V COM and 12V).
4. Ensure all connections are tight and secure.



## CIRCUIT BREAKER

Built-in overload protection switch, automatically cut off the power in the event of a short circuit and overload.

## 2 ZONES 12VAC OUTPUT

*Image 5.2: Detailed view of the two 12VAC output zones and the integrated circuit breaker for overload protection.*

## 6. OPERATING INSTRUCTIONS

The transformer features a digital display and two control buttons (UP and DOWN) for selecting operating modes.

# Easy to Operate



Image 6.1: The control panel illustrating the Photocell ON/Timer OFF, Dusk to Dawn, and Always ON modes.

## 6.1 Selecting Operating Modes

Press the **UP** or **DOWN** button to cycle through the available modes:

- **Photocell ON, Timer OFF (1-9 hours):** The lights will turn ON at dusk and automatically turn OFF after the selected duration (1 to 9 hours). The display will show a number from 1 to 9.
- **Dusk to Dawn (DUSK):** The lights will turn ON at dusk and remain ON until dawn. The display will show 'D'.
- **Always ON (ON):** The lights will remain ON continuously. The display will show 'ON'.
- **Always OFF (OFF):** The lights will remain OFF continuously. The display will show 'OFF'.



## DAILY REPEAT

Select the timer program you need  
Automatically control your home everyday

*Image 6.2: The transformer operating in a daily repeat timer mode, controlling outdoor lights.*

### 6.2 Photocell Sensor Operation

The built-in photocell sensor detects ambient light. For optimal performance, ensure the sensor is not obstructed by objects or direct artificial light sources at night. The sensor is responsible for activating the Dusk to Dawn and Timer functions.

# Dusk to Dawn Sensor Control



Image 6.3: Visual representation of the Dusk to Dawn sensor functionality, showing lights turning on at dusk and off at dawn.

## 7. MAINTENANCE

The Tiffcofio Low Voltage Landscape Transformer requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Photocell Sensor:** Ensure the photocell sensor is clean and unobstructed for accurate light detection.
- **Connections:** Annually inspect all wiring connections to ensure they remain tight and free from corrosion.
- **Waterproof Integrity:** While designed to be waterproof, avoid directing high-pressure water jets directly at the unit.



Image 7.1: The transformer's waterproof structure, designed to withstand outdoor elements like rain.

## 8. TROUBLESHOOTING

If you encounter issues with your transformer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn ON.	<ul style="list-style-type: none"> <li>No power to the transformer.</li> <li>Circuit breaker tripped.</li> <li>Incorrect mode selected.</li> <li>Faulty wiring connection.</li> <li>Photocell obstructed or in bright light.</li> </ul>	<ul style="list-style-type: none"> <li>Check the 120VAC outlet and ensure the transformer is plugged in.</li> <li>Reset the internal circuit breaker (refer to Image 5.2) or the household circuit breaker.</li> <li>Verify the operating mode is not 'OFF'.</li> <li>Inspect low voltage wiring for loose connections or damage.</li> <li>Clear any obstructions from the photocell sensor.</li> </ul>

Problem	Possible Cause	Solution
Lights stay ON continuously.	<ul style="list-style-type: none"> <li>'Always ON' mode selected.</li> <li>Photocell sensor malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>Change the operating mode to a timer or 'Dusk to Dawn' setting.</li> <li>Contact customer support if the photocell is suspected to be faulty.</li> </ul>
Lights flicker or are dim.	<ul style="list-style-type: none"> <li>Overloaded circuit.</li> <li>Loose wiring connections.</li> <li>Too many lights connected.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the total wattage of connected lights to below 100W.</li> <li>Check and tighten all wiring connections.</li> <li>Ensure the total cable length and gauge are appropriate for the load.</li> </ul>

## 9. SPECIFICATIONS

Specification	Detail
Model Number	1537
Input Voltage	120VAC
Output Voltage	12VAC
Maximum Wattage	100 Watts
Power Source	Corded Electric
Mounting Type	Wall Mount
Certification	ETL Listed
Dimensions (Approx.)	11.02 x 8.15 x 6.57 inches
Weight (Approx.)	7.03 Pounds

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Tiffcofio website. Our professional and reliable after-sales service is available to assist you with any questions or concerns.