

Partx TS-13W29V

Partx TS-13W29V Class 2 Transformer

INSTRUCTION MANUAL

1. Introduction

This manual provides essential instructions for the safe and effective use of your Partx TS-13W29V Class 2 Transformer. This power adapter is designed as a replacement for LED string lights, holiday lighting, and Christmas tree lights, providing a stable 29V DC output at 0.45A (13W). It features a raintight IP44 rating, making it suitable for both indoor and outdoor applications.

Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. Safety Information

- **UL Listed Safety:** This Class 2 power supply is UL-listed, meeting safety standards for reliable operation.
- **Raintight Construction (IP44):** The adapter is designed to withstand rain and moisture, making it suitable for outdoor use. Ensure all connections are secure to maintain its weather resistance.
- **Voltage Compatibility:** Input: 120V AC, 60Hz, 0.25A. Output: 29V DC, 0.45A (13W). Ensure your lighting system is compatible with these specifications.
- **Connector Polarity:** It is critical to verify that the positive/negative connectors layout of this adapter matches your original adapter or lighting system. This adapter is designed with the **positive (+) on the left**. Incorrect polarity will prevent the lights from working.
- **Over Protection:** The unit includes over power, over voltage, and over current protection features.
- Do not attempt to open or modify the adapter. Refer all servicing to qualified personnel.
- Unplug the adapter from the power source before performing any maintenance or making connections.



Image 2.1: The Partx TS-13W29V power supply features built-in protections against over power, over voltage, and over current, ensuring safe operation.



Image 2.2: The Partx TS-13W29V power supply is designed for both indoor and outdoor use, featuring rain and snow resistance for reliable performance in various environments.

3. Product Overview

The Partx TS-13W29V is a compact Class 2 transformer designed to power low-voltage LED lighting systems. It features a standard US plug for input and a threaded waterproof connector for output.



Image 3.1: Front view of the Parx TS-13W29V Class 2 Transformer, highlighting its US plug and output connector with polarity markings.

Connector Type	1/2 inch (12mm) threaded connector
Product Dimensions	3.74 x 1 x 1.53 inches (94 x 25 x 39 mm)
Weight	2.29 ounces

5. Setup

1. **Verify Compatibility:** Before connecting, ensure your lighting system requires a 29V DC power supply and has a compatible 1/2 inch (12mm) threaded connector.
2. **Check Polarity:** This is the most critical step. The Partx TS-13W29V adapter has its positive (+) terminal on the left and negative (-) terminal on the right when viewed from the connector end. Compare this layout with your original adapter or the input connector of your LED lights. If the polarity does not match, the lights will not function.



Image 5.1: Visual guide for checking positive/negative connector layout. Ensure the adapter's positive terminal aligns with the lighting system's positive input.

3. **Connect to Lights:** Align the threaded connector of the adapter with the input connector of your LED string lights. Screw them together firmly until secure. Do not overtighten.
4. **Connect to Power:** Plug the adapter into a standard 120V AC wall outlet.

6. Operating

Once properly connected to your lighting system and plugged into a power outlet, the Partx TS-13W29V transformer will automatically supply power to your LED lights. No further user interaction is required for basic operation.

7. Maintenance

- **Cleaning:** Disconnect the adapter from the power source before cleaning. Wipe the exterior with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the adapter and its cord for any signs of damage, such as frayed wires or cracks in the casing. If damage is found, discontinue use and replace the unit.

8. Troubleshooting

- **Lights Not Turning On:**
 - Ensure the adapter is securely plugged into a working wall outlet.
 - Verify that the adapter's output connector is firmly attached to the lighting system.
 - **Crucially, re-check the positive/negative polarity.** If the adapter's positive is on the left and your lights require positive on the right, this adapter is not compatible.
 - Check the lighting system itself for any faults or burnt-out bulbs.
- **Adapter Not Fitting:**
 - Confirm that the connector size (1/2 inch or 12mm) matches your lighting system's input.
 - Ensure you are attempting to connect a female plug to a male plug, and vice-versa.
- **Flickering Lights:**
 - Check for loose connections at both the wall outlet and the lighting system.
 - Ensure the total wattage of your lights does not exceed the adapter's 13W capacity.

9. Warranty and Support

Specific warranty details are not provided in this manual. For warranty information, technical support, or any product-related inquiries, please contact the seller or manufacturer directly through your purchase platform.