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> WH-801E5 (12V/80W) Wang House Halogen Lighting Electronic Transformer User Manual

EDUPET WH-801E5

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Brand: EDUPET

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of the WH-801E5 Electronic Transformer. This device is designed to convert standard AC 120V household current to a stable AC 12V output, specifically for powering 12V halogen lamps within a 20-80W range. Its compact design and UL recognition ensure reliable performance for various lighting applications, including under-cabinet lighting and display illumination.



This image displays the compact black electronic transformer with its input and output wires. The transformer is rectangular, approximately 2.68 inches long, 1.38 inches wide, and 1.06 inches high. Red and grey wires extend from one end, indicating connections for power input and output to the halogen lamp.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Always disconnect power at the circuit breaker before installing or servicing the transformer.
- **Qualified Installation:** Installation should be performed by a qualified electrician or a knowledgeable individual familiar with electrical wiring and building codes.
- **Indoor Use Only:** This transformer is designed for indoor, dry location use only. Do not expose to moisture or extreme temperatures.
- **Proper Loading:** Ensure the total wattage of connected halogen lamps does not exceed the transformer's maximum output of 80W and is not below the minimum 20W.

- **Ventilation:** Allow adequate ventilation around the transformer to prevent overheating. Do not enclose in airtight spaces.
- **UL Recognized:** This product is UL Recognized, indicating it meets specific safety standards.

3. PRODUCT FEATURES

The WH-801E5 Electronic Transformer offers the following key features:

- **Model:** WH-801E5
- **Input Voltage:** AC 120V~60Hz 0.66A
- **Output Voltage:** AC 12V
- **Output Wattage:** 20-80W MAX
- **Dimensions (LxWxH):** 2.68" x 1.38" x 1.06" (approximately)
- **Dimmability:** Compatible with standard dimmers for adjustable light output.
- **Protection:** Fuse protected for enhanced safety.
- **Certification:** UL Recognized.

4. SETUP AND INSTALLATION

Follow these general steps for installing the electronic transformer. Always refer to local electrical codes and consult a professional if unsure.

1. **Power Disconnection:** Turn off the main power supply to the circuit where the transformer will be installed at the circuit breaker. Verify power is off using a voltage tester.
2. **Mounting:** Securely mount the transformer in a suitable location, ensuring it is protected from physical damage and has adequate ventilation.
3. **Input Wiring:** Connect the AC 120V input wires from your power source to the transformer's input terminals. Typically, these are black (hot) and white (neutral) wires. Ensure connections are secure and insulated.
4. **Output Wiring:** Connect the AC 12V output wires from the transformer to your 12V halogen lamp(s). Ensure the total wattage of the connected lamps is within the 20-80W range.
5. **Insulation:** Properly insulate all wire connections with wire nuts or electrical tape.
6. **Power Restoration:** Once all connections are secure and verified, restore power at the circuit breaker.
7. **Testing:** Test the lighting system to ensure proper operation.

Note: The transformer's wires are typically color-coded. Refer to the markings on the transformer itself for specific input and output wire identification.

5. OPERATING INSTRUCTIONS

The WH-801E5 Electronic Transformer operates automatically once properly installed and powered. It converts the incoming 120V AC power to the required 12V AC for your halogen lamps.

- **Standard Operation:** When power is supplied, the transformer will provide 12V AC to the connected halogen lamps, causing them to illuminate.
- **Dimmable Functionality:** If connected to a standard dimmer switch, the light output of the halogen lamps can be adjusted by manipulating the dimmer control. Ensure the dimmer is compatible with electronic low-voltage transformers.

6. MAINTENANCE

The WH-801E5 Electronic Transformer is designed for maintenance-free operation. However, periodic checks can help ensure its longevity and safe performance:

- **Visual Inspection:** Periodically inspect the transformer and its wiring for any signs of damage, fraying, or loose connections.
- **Cleanliness:** Keep the transformer free from dust and debris, which can impede heat dissipation. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Ensure that the area around the transformer remains clear and allows for proper airflow.

Do not attempt to open or repair the transformer. There are no user-serviceable parts inside. Refer any issues to a qualified technician.

7. TROUBLESHOOTING

If you experience issues with your WH-801E5 Electronic Transformer, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Lamps do not illuminate	No power to transformer Loose wiring connections Faulty lamp(s) Transformer overloaded/underloaded Internal fuse blown	Check circuit breaker and wall switch. Verify all input and output wire connections are secure. Test lamps with a known good power source or replace. Ensure total lamp wattage is between 20W and 80W. Replace transformer if fuse is blown (non-serviceable).
Lamps flicker or dim inconsistently	Loose connections Incompatible dimmer Transformer overloaded/underloaded Poor quality lamps	Check all wiring connections. Ensure dimmer is designed for electronic low-voltage transformers. Verify total lamp wattage is within 20W-80W range. Try different brand/type of halogen lamps.
Transformer is hot to the touch	Overloaded Insufficient ventilation	Reduce total lamp wattage to be within 20W-80W. Ensure adequate airflow around the transformer. Do not enclose.

8. SPECIFICATIONS

Detailed technical specifications for the WH-801E5 Electronic Transformer:

Model: WH-801E5

Input Voltage: AC 120V~60Hz 0.66A

Output Voltage: AC 12V

Output Wattage: 20-80W MAX

Dimensions (LxWxH): 2.68" x 1.38" x 1.06" (68mm x 35mm x 27mm)

Item Weight: Approximately 2.89 ounces (82 grams)

Protection: Fuse Protected

Certification: UL Recognized

Dimmability: Dimmable with standard dimmers

UPC: 642049879737

9. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the terms and conditions provided by your retailer or the manufacturer, EDUPET. Warranty details typically cover defects in materials and workmanship for a specified period from the date of purchase. If you require technical support or have questions not covered in this manual, please contact the seller or manufacturer directly. When contacting support, please have your product model (WH-801E5) and purchase information readily available.

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