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› Dabmar Lighting LVT25 25W LED Low Voltage Transformer User Manual

Dabmar LVT25

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Model: LVT25

1. INTRODUCTION

This manual provides comprehensive instructions for the Dabmar Lighting LVT25 25W LED Low Voltage Transformer. This device is designed to convert standard electrical voltage to a safe low voltage for compatible LED lighting systems, specifically for outdoor applications. Please read all instructions carefully before installation and operation to ensure safe and efficient use of the product.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions thoroughly before attempting installation or operation.
- This transformer is designed and suitable only for outdoor use.
- Always disconnect power to the unit before performing any servicing, installation, or maintenance.
- Installation should be performed by a qualified electrician or in strict accordance with all applicable local electrical codes and regulations.
- Ensure that the total combined wattage of all connected low voltage LED fixtures does not exceed the transformer's maximum capacity of 25W.
- Do not immerse the transformer in water or expose it to standing water.
- Keep the unit away from flammable materials and surfaces.
- Use only with compatible low voltage LED lighting products.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x Dabmar Lighting LVT25 25W LED Low Voltage Transformer (Black Finish)
- 1x Integrated Power Cord (US style plug)

- 1x Integrated Mounting Bracket

4. PRODUCT FEATURES

- 25W LED Low Voltage Transformer for efficient power conversion.
- Durable Cast Aluminum Construction ensures longevity and resistance to outdoor elements.
- Specifically designed for reliable Outdoor Use.
- Features an Integrated Mounting Bracket for convenient Wall Mount Installation.
- Energy Efficient Operation to minimize power consumption.

5. PRODUCT OVERVIEW

Familiarize yourself with the transformer's components by referring to the image below:



Image Description: A black rectangular low voltage transformer with ventilation slots on the top and bottom. It features a green circular power indicator light and a red circular power switch on the front panel. Two cable glands are visible at the bottom for wiring connections.

6. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	LVT25
Power Output	25W
Input Voltage	Standard AC (via integrated power cord)
Output Voltage	Low Voltage
Material	Cast Aluminum
Finish	Black
Dimensions (L x W x H)	8.75 x 4.13 x 2.88 inches
Item Weight	3.8 pounds
Mounting Type	Wall Mount
Intended Use	Outdoor
Bulb Type Compatibility	LED
Plug Format	A- US style
UPC	849095012655

7. SETUP AND INSTALLATION

- Follow these steps for proper installation of your low voltage transformer:
- Choose a Location:** Select a suitable outdoor location for mounting the transformer. Ensure the location provides adequate ventilation and is protected from direct heavy rain or standing water. The unit features a built-in mounting bracket for wall mount installation.
 - Mounting:** Securely mount the transformer to a stable vertical surface using appropriate fasteners (not included) through the integrated mounting bracket. Ensure the mounting is robust enough to support the unit's weight.
 - Wiring (Low Voltage Output):** Connect your low voltage LED lighting fixtures to the transformer's low voltage output terminals. Ensure all connections are secure, waterproof, and comply with local electrical codes. It is critical not to exceed the transformer's 25W capacity to prevent damage.
 - Power Connection:** Plug the integrated power cord into a standard outdoor-rated electrical outlet. For enhanced safety, ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI).
 - Initial Power On:** Once all connections are secure and verified, flip the red power switch on the front panel to the "ON" position. The green indicator light should illuminate, confirming that power is being supplied to the transformer.

8. OPERATING INSTRUCTIONS

Operating the LVT25 transformer is straightforward:

1. **Power On/Off:** Use the red circular switch located on the front panel to toggle the transformer ON or OFF.
2. **Indicator Light:** The green circular light serves as a visual indicator. When illuminated, it signifies that the transformer is receiving input power and is operational.
3. **Connected Lights:** Upon powering on the transformer, your connected low voltage LED lights should illuminate, provided they are correctly wired and functional.

9. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your transformer:

- **Cleaning:** Periodically clean the exterior surface of the transformer with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Inspection:** Regularly inspect the integrated power cord, low voltage wiring, and all connections for any signs of physical damage, wear, fraying, or corrosion. Address any issues promptly.
- **Ventilation:** Ensure that the ventilation slots on the transformer casing remain clear of debris, dust, or obstructions to prevent overheating and maintain proper airflow.
- **Seasonal Checks:** Conduct thorough checks of the unit before and after periods of extreme weather conditions (e.g., heavy rain, snow, prolonged heat) to ensure proper function and structural integrity.

10. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions:

Problem	Possible Cause	Solution
Connected lights not turning on	No power to the transformer	Check the power outlet for functionality. Ensure the integrated power cord is securely plugged in. Verify GFCI is not tripped.
Connected lights not turning on	Transformer power switch is OFF	Flip the red power switch on the front panel to the ON position.
Connected lights not turning on	Faulty low voltage wiring or connections	Inspect all low voltage wiring for loose, corroded, or damaged connections. Ensure proper polarity.
Connected lights not turning on	Overloaded circuit	Ensure the total wattage of all connected lights does not exceed the transformer's 25W capacity. Remove excess lights if necessary.
Lights flicker or dim intermittently	Loose wiring connections	Check all wiring connections (both input and output) for tightness and secure contact.
Lights flicker or dim intermittently	Insufficient power supply or overload	Verify the input power source is stable. Reconfirm that the total wattage of connected lights is within the 25W limit.
Green indicator light is off, but power is connected	No input power or internal fault	Check the power source and cord connection. If power is confirmed and the light remains off, the unit may require professional inspection.

If issues persist after attempting these troubleshooting steps, it is recommended to contact a qualified electrician or Dabmar customer support for further assistance.

11. WARRANTY INFORMATION

No specific warranty duration or detailed terms are provided within the product information. For comprehensive warranty details pertaining to your Dabmar Lighting LVT25 transformer, please refer to the original product packaging, any included warranty cards, or contact Dabmar Lighting directly through their official channels.

12. CUSTOMER SUPPORT

For further assistance, technical support, or any inquiries regarding your Dabmar Lighting LVT25 transformer, please visit the official Dabmar Lighting website or contact their customer service department using the contact information provided on their website or product packaging.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

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