

Packard XFM99-901

Packard 40VA Transformer Instruction Manual

Model: **XFM99-901** | Brand: **Packard**

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Packard 40VA Transformer, model XFM99-901. This transformer is designed to convert higher AC voltages to a lower 24V AC output, commonly used in HVAC control systems.

- **Input Voltage:** 120V, 208V, or 240V AC
- **Output Voltage:** 24V AC
- **Power Rating:** 40VA
- **Frequency:** 50/60Hz

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this transformer. Failure to follow these instructions may result in electrical shock, fire, or property damage.

- Installation and servicing must be performed by qualified personnel only.
- Disconnect all power to the system before installing or servicing the transformer.
- Ensure proper grounding and wiring in accordance with local and national electrical codes.
- Do not exceed the specified voltage and current ratings.
- Protect the transformer from moisture and extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present upon opening the package:

- 1 x Packard 40VA Transformer (Model XFM99-901)

4. SETUP AND INSTALLATION

4.1 Mounting

The Packard XFM99-901 transformer features a foot mount design for secure installation. Locate a suitable, stable surface near the electrical connection point, ensuring adequate ventilation. Use appropriate screws or bolts (not included) to fasten the transformer securely through the mounting feet.

4.2 Wiring Connections

Refer to the wiring diagram below and the label on the transformer for correct connections. Ensure all connections are tight and insulated.



An image showing the Packard 40VA transformer, model XFM99-901, with its foot mount brackets, primary and secondary wiring, and the product label clearly visible. The label indicates input voltages of 120V, 208V, 240V and a 24V output.

- **Primary (Input) Connections:**

- **White Wire:** Common (COM)
- **Black Wire:** 120V Input
- **Red Wire:** 208V Input
- **Orange Wire:** 240V Input

Connect the appropriate input voltage wire (Black for 120V, Red for 208V, or Orange for 240V) along with the White (Common) wire to your AC power source. Insulate any unused primary wires.

- **Secondary (Output) Connections:**

- **Red Wire:** 24V Output
- **Green Wire:** 24V Output

Connect the Red and Green secondary wires to your 24V AC control circuit.

5. OPERATING INSTRUCTIONS

Once the transformer is securely mounted and correctly wired, restore power to the system. The transformer will automatically convert the input AC voltage to 24V AC for your control circuit. No user interaction is required for operation.

6. MAINTENANCE

The Packard 40VA Transformer is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure optimal performance and safety.

- Annual Inspection:** Visually inspect the transformer and its wiring for any signs of damage, corrosion, or loose connections.
- Cleaning:** Ensure the transformer is free from dust and debris to maintain proper heat dissipation. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- Ventilation:** Verify that the area around the transformer remains clear to allow for adequate airflow.

7. TROUBLESHOOTING

If you experience issues with your transformer, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
No 24V output	No input power; incorrect wiring; internal fault	Check input power supply; verify wiring connections; replace transformer if faulty.
Transformer is hot	Overload; poor ventilation; short circuit in secondary circuit	Reduce load; ensure adequate ventilation; check secondary circuit for shorts.
Humming noise	Normal operation (slight hum); loose mounting; excessive load	Ensure secure mounting; check for overload. A slight hum is normal.

8. SPECIFICATIONS

Detailed technical specifications for the Packard 40VA Transformer, Model XFM99-901.

Feature	Specification
Model Number	XFM99-901
Brand	Packard
VA Rating	40VA
Frequency	50/60Hz
Primary Input Voltage	120V, 208V, 240V AC
Primary Wiring	White (COM), Black (120V), Red (208V), Orange (240V)
Secondary Output Voltage	24V AC
Secondary Wiring	Red, Green

Feature	Specification
Mounting Type	Foot Mount
Product Dimensions	3 x 5.5 x 3 inches
Item Weight	1.35 pounds (approx. 21.6 ounces)
Manufacturer	Packard
Country of Origin	China

9. WARRANTY INFORMATION

This Packard transformer is covered by the manufacturer's standard warranty. Please refer to the original purchase documentation or contact your retailer for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your authorized Packard distributor or the retailer from whom you purchased the product. Provide the model number (XFM99-901) and details of your issue for efficient support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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