

France 0610373861711

France Neon Transformer Power Supply 9000V 30mA User Manual

Model: 0610373861711

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of the France Neon Transformer Power Supply, Model 0610373861711. This device is designed to provide a 9000V AC, 30mA output for neon sign applications. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent potential hazards.



Image 1.1: Front view of the France Neon Transformer Power Supply. This image displays the compact design and connection terminals of the unit.

2. SAFETY INFORMATION

WARNING: This device operates at high voltages (9000V) and can cause severe injury or death if not handled properly. Installation and servicing must be performed by qualified personnel only, in accordance with all local and national electrical codes.

- Always disconnect power before installing, servicing, or cleaning the transformer.
- Ensure proper grounding of the transformer and associated equipment.
- Do not operate the transformer in wet or damp conditions.
- Do not overload the transformer. Ensure the connected load (neon tubing) is within the specified 30mA current rating.
- Keep children and unauthorized personnel away from the installation area.
- Use insulated tools when working with high-voltage equipment.
- Verify all connections are secure and properly insulated before applying power.
- This product is UL listed, indicating compliance with specific safety standards.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the transformer from its packaging. Inspect the unit for any signs of damage during transit. If damage is found, do not proceed with installation and contact your supplier immediately.

3.2 Mounting

The France Neon Transformer is designed for rack mount installation. Secure the transformer firmly to a stable, non-combustible surface using appropriate hardware. Ensure adequate ventilation around the unit to prevent overheating.

- Choose a mounting location that is dry, well-ventilated, and protected from environmental elements.
- Ensure the mounting surface can support the transformer's weight (approximately 14.37 pounds).
- Follow local electrical codes for minimum clearances around the transformer.

3.3 Electrical Connections

All wiring must comply with national and local electrical codes. Consult a qualified electrician if you are unsure about any wiring procedures.

1. **Input Power:** Connect the primary (input) side of the transformer to a suitable AC power source. The transformer is designed for corded electric power. Ensure the input voltage matches the transformer's rating (typically 120V AC for US models, but verify specific unit labeling).
2. **Grounding:** Connect the transformer's ground terminal to a reliable earth ground. This is critical for safety.
3. **Output Connections:** Connect the secondary (output) terminals of the transformer to the neon sign electrodes. Use high-voltage insulated wire suitable for 9000V applications. Ensure all connections are tight and properly insulated to prevent arcing.
4. **Load Verification:** Confirm that the total length and type of neon tubing connected does not exceed the transformer's 30mA current rating. Overloading can damage the transformer and pose a fire hazard.

4. OPERATING INSTRUCTIONS

Once the transformer is securely mounted and all electrical connections are verified as correct and safe,

you can proceed with operation.

1. **Power On:** Apply power to the primary input of the transformer. The connected neon sign should illuminate.
2. **Observe:** Monitor the neon sign for stable illumination. Listen for any unusual buzzing or arcing sounds, which may indicate a faulty connection or an overloaded circuit.
3. **Power Off:** To turn off the neon sign, disconnect the primary power to the transformer.

The transformer is designed for continuous operation within its specified limits. Avoid frequent on/off cycling if possible, as this can reduce the lifespan of both the transformer and the neon tubing.

5. MAINTENANCE

The France Neon Transformer is designed for reliable operation with minimal maintenance. However, periodic inspection is recommended to ensure continued safe and efficient performance.

- **Cleaning:** With power disconnected, gently wipe the exterior of the transformer with a dry, clean cloth to remove dust and debris. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect all wiring connections for tightness and signs of wear or damage. Check for any discoloration or burning smells around the transformer, which could indicate overheating.
- **Ventilation:** Ensure that ventilation openings are not obstructed.
- **Internal Components:** There are no user-serviceable parts inside the transformer. Do not attempt to open the casing. Refer all internal servicing to qualified technicians.

6. TROUBLESHOOTING

If your France Neon Transformer is not functioning as expected, perform the following basic checks before contacting support.

Problem	Possible Cause	Solution
Neon sign does not illuminate.	No input power. Loose or faulty wiring. Overloaded circuit. Faulty neon tubing. Internal transformer fault.	Check power supply to the transformer. Verify all input and output connections are secure. Ensure the neon load is within 30mA. Test neon tubing with a known good transformer. If all else fails, contact a qualified technician.
Sign flickers or is dim.	Poor connection. Aging neon tubing. Transformer nearing end of life.	Check and secure all connections. Consider replacing neon tubing. Consult a technician for transformer assessment.
Buzzing or humming sound.	Normal operation (slight hum). Loose mounting. Internal component issue.	A slight hum is normal. Ensure transformer is securely mounted. If buzzing is loud or unusual, disconnect power and contact a technician.

For issues not resolved by the above steps, or if you suspect an internal fault, discontinue use and contact a qualified service professional.

7. SPECIFICATIONS

The following are the technical specifications for the France Neon Transformer Power Supply, Model 0610373861711:

Feature	Detail
Brand	France
Model Number	0610373861711
Part Number	9030P5G2
Output Voltage	9000V AC
Output Current	30mA
Power Source	Corded Electric
Mounting Type	Rack Mount
Item Weight	14.37 pounds
Package Dimensions	13.6 x 5.4 x 4.2 inches
Item Package Quantity	1
UPC / GTIN	610373861711
Specification Met	UL
Date First Available	February 23, 2012

8. WARRANTY AND SUPPORT

For warranty information regarding your France Neon Transformer Power Supply, please refer to the documentation provided at the time of purchase or contact the manufacturer directly. Warranty terms and conditions may vary.

For technical support or service inquiries, please contact your authorized dealer or the manufacturer.

When contacting support, please have your model number (0610373861711) and serial number (if applicable) readily available.