

Paulmann 97701

Paulmann Electronic Transformer 97701 (35-105W) - Instruction Manual

Model: 97701 | Power Range: 35-105W

Safety Information	Product Overview	Specifications	Setup & Installation	Operation
	Maintenance	Troubleshooting	Warranty & Support	

1. IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before installing or operating the Paulmann Electronic Transformer 97701. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Professional Installation:** Installation and maintenance of this product should only be performed by a qualified electrician in accordance with local electrical codes and regulations.
- **Disconnect Power:** Always disconnect the main power supply before performing any installation, wiring, or maintenance work on the transformer or connected lighting.
- **Voltage Compatibility:** Ensure the input voltage (230V AC) and the load (35-105W) are within the specified limits of the transformer.
- **Proper Ventilation:** Ensure the transformer is installed in a location with adequate ventilation to prevent overheating.
- **Indoor Use Only:** This transformer is designed for indoor use in dry environments. Do not expose to moisture or extreme temperatures.
- **Load Compatibility:** The transformer is designed for low-voltage halogen or LED lamps. Ensure the connected lamps are compatible with electronic transformers and dimmers (if used).

2. PRODUCT OVERVIEW

The Paulmann Electronic Transformer 97701 is a reliable and dimmable electronic ballast designed for low-voltage lighting systems. It converts 230V AC input to 12V AC output, supporting a load range of 35 to 105 watts.

Key Features:

- **Dimmable:** Compatible with universal dimmers (R, L, C) for adjustable light intensity.
- **Primary Connection:** Features a double primary connection, enabling the use of multiple transformers within a single circuit.
- **Temperature Monitor:** An integrated temperature monitor and electronic fuse provide protection against overheating.
- **Direct Connection:** Operates on 230V AC, eliminating the need for an additional input transformer.



Figure 1: Front view of the Paulmann Electronic Transformer 97701. This image shows the compact, gray plastic casing of the transformer, highlighting its overall shape and design.

3. SPECIFICATIONS

Detailed technical specifications for the Paulmann Electronic Transformer 97701.

Model Number	97701
Input Voltage	230V AC

Output Voltage	12V AC
Power Range	35-105 Watts
Dimensions (L x W x H)	16.1 x 3.9 x 2.7 cm
Weight	169 Grams
Compliance	VDE
Manufacturer	Paulmann
Country of Origin	China

Artikelnummer:
97701

EAN-Nummer:
4000870977019



Name

VDE Profi Elektroniktrafo 35-105W 230/12V 105VA Grau/Schwarz

Hersteller

Paulmann

Leuchtmitteldaten

Anzahl Brennstellen	01
Max. Leistung	35 W
Max. Leistung	max. 35-105 W
Leuchtmiteleigenschaft	ohne Leuchtmittel

Technische Daten

Trafoleistung	105 VA
Spannung	230/12 V

Abmessungen

Gewicht netto	169 g
Verpackungsmaße BxHxL	4,5 x 15,2 x 3,7 cm
Abmessung (Höhe x Breite x Tiefe)	H: 27 x B: 39 x T: 161 mm



Artikelinfo

EAN	4000870977019
Garantie	5 Jahre
Interner Code	977.01
Farbe	Grau & Schwarz
Material	Kunststoff
Lieferumfang	Montageanleitung
Hersteller	Paulmann

23.07.2021

Figure 2: Technical data sheet for Paulmann Electronic Transformer 97701. This document provides detailed specifications including model number, power, voltage, dimensions, and compliance information.

4. SETUP AND INSTALLATION

Installation of the Paulmann Electronic Transformer 97701 must be carried out by a qualified electrician. Ensure all power is disconnected before beginning installation.

Installation Steps:

1. **Choose Location:** Select a suitable location for wall mounting, ensuring adequate ventilation and protection from moisture.
2. **Mount Transformer:** Securely mount the transformer using appropriate fasteners. The transformer features integrated mounting tabs for easy installation.
3. **Wiring - Primary Side (Input):** Connect the 230V AC mains supply to the primary input terminals of the transformer. The transformer features a double primary connection, allowing for flexible wiring in circuits with multiple transformers.
4. **Wiring - Secondary Side (Output):** Connect the 12V low-voltage lighting circuit to the secondary output terminals. Ensure the total wattage of connected lamps does not exceed 105W and is not below 35W.
5. **Dimmer Connection (Optional):** If using a dimmer, ensure it is a universal dimmer (R, L, C type) compatible with electronic transformers. Connect the dimmer according to its manufacturer's instructions.
6. **Verify Connections:** Double-check all wiring connections for security and correctness.
7. **Restore Power:** Once all connections are verified and secure, restore power to the circuit.



Figure 3: Side view of the Paulmann Electronic Transformer 97701. This image illustrates the side profile of the transformer, showing the integrated tabs for secure wall mounting.

5. OPERATING INSTRUCTIONS

The Paulmann Electronic Transformer 97701 operates automatically once properly installed and powered.

- **Power On/Off:** The transformer will supply power to the connected low-voltage lamps when the main power supply to the circuit is active. Control the lighting by switching the main power or a connected light switch.
- **Dimming Function:** If a compatible universal dimmer (R, L, C type) is installed, you can adjust the light intensity of the connected lamps by operating the dimmer control. Ensure the dimmer is rated for electronic transformers.
- **Load Range:** For optimal performance and longevity, ensure the total wattage of the connected lamps remains within the transformer's specified range of 35-105 watts. Operating below the minimum load may cause flickering or instability, while exceeding the maximum load can lead to overheating and damage.

6. MAINTENANCE

The Paulmann Electronic Transformer 97701 is designed for maintenance-free operation. There are no user-serviceable parts inside.

- **Cleaning:** If necessary, gently wipe the exterior of the transformer with a dry, soft cloth. Do not use liquid cleaners or abrasive materials. Ensure power is disconnected before cleaning.
- **Temperature Monitoring:** The integrated temperature monitor and electronic fuse provide automatic protection against overheating. If the transformer shuts down due to overheating, disconnect power, allow it to cool, and check for proper ventilation and load.
- **Inspection:** Periodically inspect the transformer and its connections for any signs of damage, wear, or loose wiring. If any issues are found, disconnect power and consult a qualified electrician.

7. TROUBLESHOOTING

If you experience issues with your Paulmann Electronic Transformer 97701, refer to the following troubleshooting guide. Always disconnect power before inspecting connections.

Problem	Possible Cause	Solution
No light from lamps	<ul style="list-style-type: none"> • No power supply • Loose wiring connections • Faulty lamps • Transformer overload/underload • Internal fuse tripped 	<ul style="list-style-type: none"> • Check main power supply and circuit breaker. • Verify all wiring connections are secure. • Test lamps with a known working power source. • Ensure total lamp wattage is between 35W and 105W. • Disconnect power, allow to cool, then restore. If issue persists, consult electrician.
Lamps flicker or dim erratically	<ul style="list-style-type: none"> • Incompatible dimmer • Load outside 35-105W range • Loose connections 	<ul style="list-style-type: none"> • Ensure dimmer is a universal (R, L, C) type compatible with electronic transformers. • Verify total lamp wattage is within the specified range. • Check all wiring connections.
Transformer is hot to the touch or shuts down	<ul style="list-style-type: none"> • Overload (too many lamps) • Insufficient ventilation • Short circuit in wiring/lamps 	<ul style="list-style-type: none"> • Reduce total lamp wattage to be within 35-105W. • Ensure transformer has adequate airflow. • Disconnect power, inspect wiring and lamps for short circuits.

If the problem persists after attempting these solutions, disconnect power and contact a qualified electrician or Paulmann customer support for assistance.

8. WARRANTY AND SUPPORT

Warranty:

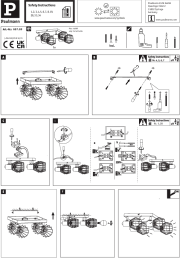

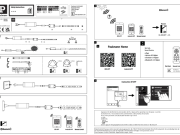
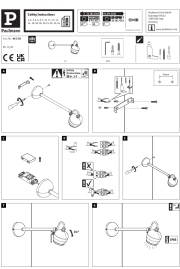
The Paulmann Electronic Transformer 97701 comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase

for warranty claims.

Customer Support:

For technical assistance, warranty claims, or further information regarding your Paulmann Electronic Transformer 97701, please visit the official Paulmann website or contact their customer service department. Contact details can typically be found on the Paulmann website or product packaging.

Related Documents - 97701

	<p>Paulmann Lanka Spot Light Installation Guide</p> <p>Comprehensive installation instructions and safety guidelines for the Paulmann Lanka spot light fixture (Article No. 667.69). Covers electrical connections, component replaceability, and technical specifications for safe and proper use.</p>
	<p>Paulmann LED Lighting Safety and Installation Instructions</p> <p>Comprehensive safety and installation instructions for Paulmann LED lighting products, covering general precautions, electrical safety, mounting guidelines, and compatibility information.</p>
	<p>Paulmann MaxLED 500 LED Strip Smart Home Bluetooth Installation Guide</p> <p>This guide details the installation and operation of the Paulmann MaxLED 500 LED strip system (models 709.07, 709.08), a smart home lighting solution controllable via Bluetooth and the Paulmann Home app.</p>
	<p>Paulmann 947.78 Kikolo Exterior Wall Luminaire Installation Guide</p> <p>Comprehensive installation guide for the Paulmann 947.78 Kikolo exterior wall luminaire. Includes safety instructions, assembly steps, wiring guidance, and product specifications for this IP65 rated outdoor light.</p>

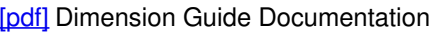


Installation guide for the Paulmann 94650-94653 series outdoor solar house number light. Includes details on battery, mounting, and operation.



Comprehensive installation guide and safety instructions for the Paulmann 800.96 and 800.97 luminaires. Learn how to safely install, wire, and maintain your Paulmann lighting fixture.

Documents - Paulmann – 97701

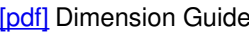


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Artikelnummer: **97701** EAN-Nummer: 4000870**97701**9 Name VDE Profi

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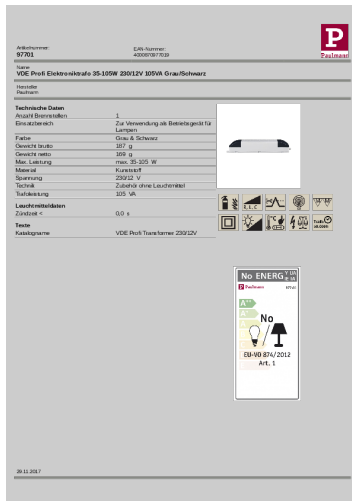
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Produktdatenblatt 97701 Paulmann Licht info paulmann GmbH 30 gen 2025 — Dimensions Hauteur x
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Fiche technique du produit Nom du webshop: Artikel: EAN: Producteur: VDE Transfo
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Paulmann Description d article OS: Le professionnel tient ses promesses. Le
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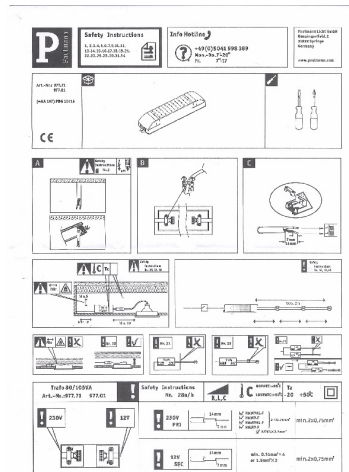
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Artikelnummer: **97701** EAN-Nummer: 4000870**97701**9 Name VDE Profi

Elektroniktrafo 35-105W 230/12V 105VA Grau/Schwarz Hersteller Paulmann

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