

HERA 20604001222

Hera 20604001222 24V LED Transformer User Manual

Model: 20604001222

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient installation, operation, and maintenance of the Hera 20604001222 24V LED Transformer. Please read this manual thoroughly before using the product and retain it for future reference.

2. SAFETY INSTRUCTIONS

- Ensure the power supply is disconnected before installation or maintenance.
- This transformer is designed for indoor use only (IP20 rating). Do not expose it to moisture, water, or extreme temperatures.
- Do not exceed the maximum output power of 30W.
- Only use with compatible 24V DC LED lighting fixtures.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not cover the transformer during operation to ensure proper ventilation.
- Keep out of reach of children.

3. PRODUCT OVERVIEW AND FEATURES

The Hera 20604001222 is a compact and efficient electronic safety transformer designed for 24V DC LED lighting systems. It features a dimmable output, allowing for adjustable light intensity from 5% to 100% when paired with compatible phase-cut dimmers.



Figure 1: Hera 20604001222 24V LED Transformer. This image displays the Hera 20604001222 LED transformer, a white rectangular unit with a power cable ending in a European plug on one side and a white 12-socket distributor connected via a cable on the other side. The transformer itself has product information printed on its top surface.

Key Features:

- **Model:** 20604001222
- **Input Voltage:** 230-240V AC, 50-60 Hz
- **Output Voltage:** 24V DC
- **Output Power:** 1-30W
- **Output Current:** 0.042-1.25A
- **Dimmable:** Yes, 5-100% with compatible phase-cut dimmers (e.g., Busch-Jaeger 6523U, Sygonix 33594C, Jung 225TDE)
- **Protection Rating:** IP20 (Indoor use only)
- **Protection Class:** II
- **Housing:** Plastic
- **Cable Length:** 2m primary cable with EU plug
- **Connections:** Includes a 12-socket distributor for secondary connections.
- **Max. Secondary Cable Length:** 5m
- **Minimum Load:** No minimum load required.

4. SETUP AND INSTALLATION

1. **Preparation:** Ensure the main power supply is switched off at the circuit breaker before beginning installation.
2. **Mounting:** Place the transformer in a dry, well-ventilated area, away from direct heat sources and moisture. The IP20 rating means it is not protected against water.
3. **Primary Connection:** Connect the transformer's primary cable (with the EU plug) to a suitable 230-240V AC power outlet. If using a dimmer, ensure it is a compatible phase-cut dimmer.

4. **Secondary Connection:** Connect your 24V DC LED lighting fixtures to the 12-socket distributor. Ensure the total wattage of all connected LED fixtures does not exceed 30W. The maximum permissible length for secondary cables is 5 meters.
5. **Verification:** Double-check all connections to ensure they are secure and correct.
6. **Power On:** Restore power at the circuit breaker. The connected LED lights should illuminate.

Note: For optimal dimming performance, use recommended phase-cut dimmers such as Busch-Jaeger 6523U, Sygonix 33594C, or Jung 225TDE.

5. OPERATING INSTRUCTIONS

Once installed and powered, the Hera 20604001222 LED transformer will provide a stable 24V DC output to your connected LED lights.

- **Switching On/Off:** Control the power to the transformer via the wall switch or the power outlet it is connected to.
- **Dimming (if applicable):** If a compatible dimmer is installed on the primary side, use the dimmer control to adjust the brightness of the connected LED lights. The dimming range is typically 5% to 100%.

6. MAINTENANCE

The Hera 20604001222 LED Transformer requires minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the transformer. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Periodically inspect the cables and connections for any signs of damage or wear. If any damage is found, disconnect the power immediately and replace the damaged components or the transformer.
- **Ventilation:** Ensure the transformer is not covered and has adequate airflow around it to prevent overheating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED lights do not turn on.	No power supply. Loose connections. Faulty LED lights. Transformer overload.	Check power outlet and circuit breaker. Verify all connections are secure. Test LED lights with another 24V source. Reduce total wattage of connected lights.
Lights flicker or dim inconsistently.	Incompatible dimmer. Loose connections. Overload or underload.	Ensure dimmer is a compatible phase-cut type. Check all wiring connections. Verify total wattage is within 1-30W range.
Transformer feels hot.	Poor ventilation. Overload.	Ensure adequate airflow around the transformer. Reduce total wattage of connected lights.

If the problem persists after attempting these solutions, please contact a qualified electrician or the product supplier for assistance.

8. SPECIFICATIONS

Parameter	Value
Model Number	20604001222
Brand	HERA
Input Voltage	230-240V AC, 50-60 Hz
Output Voltage	24V DC
Output Power	1-30W
Output Current	0.042-1.25A
Dimmable Range	5-100% (with compatible phase-cut dimmers)
IP Rating	IP20 (Indoor use only)
Protection Class	II
Housing Material	Plastic
Dimensions (L x W x H)	145 mm x 50 mm x 22 mm
Primary Cable Length	2 meters (with EU plug)
Secondary Connections	12-socket distributor
Max. Secondary Cable Length	5 meters
Compliance	CE

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer or the manufacturer directly. Keep your proof of purchase for any warranty claims.

Manufacturer: Hera

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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.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question