Fracarro PSU412

Fracarro PSU412 Stabilized Power Supply User Manual

Model: PSU412 | Brand: Fracarro

1. Introduction

The Fracarro PSU412 is a stabilized power supply designed to provide a reliable 12V DC output from a 230V AC input. This unit features two independent 12V DC outputs, each capable of delivering up to 200mA, making it suitable for powering various low-voltage electronic devices, such as antenna amplifiers or similar equipment requiring a stable 12V supply.

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fracarro PSU412 power supply. Please read it thoroughly before use and retain it for future reference.

2. Safety Information

Observe the following safety precautions to prevent damage to the unit and ensure personal safety:

- **Read all instructions:** Familiarize yourself with the installation and operation procedures before using the device.
- **Indoor use only:** This power supply is designed for indoor use in dry environments. Do not expose it to rain, moisture, or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not cover the power supply.
- **Power source:** Connect the unit only to a 230V AC, 50/60Hz power outlet. Ensure the power outlet is easily accessible.
- **Disconnect power:** Always disconnect the power supply from the mains before performing any installation, maintenance, or troubleshooting.
- **Avoid liquids:** Do not allow liquids to enter the unit. In case of accidental spillage, immediately disconnect power and have the unit inspected by qualified personnel.
- **Damage:** Do not operate the unit if the power cord or casing is damaged. Contact qualified service personnel for repairs.
- **Children:** Keep the device out of reach of children.

3. Package Contents

Verify that the following item is included in your package:

- Fracarro PSU412 Stabilized Power Supply Unit

Note: Mounting accessories (e.g., screws, wall plugs) may be included or sold separately depending on the retailer.

4. Product Features

- **Stabilized Output:** Provides a stable 12V DC output voltage.
- **Dual Outputs:** Equipped with two independent 12V DC outputs.
- **Current Capacity:** Each output delivers up to 200mA.
- **Input Voltage:** Operates on 230V AC mains power.
- **Compact Design:** Designed for easy installation and integration.

5. Setup and Installation

Follow these steps for proper installation of the Fracarro PSU412:

1. **Choose a Location:** Select a dry, well-ventilated indoor location, away from direct sunlight, heat sources, and moisture. Ensure the power supply is easily accessible for connection and disconnection.
2. **Mounting (Optional):** The unit may include a plastic support for wall mounting. If so, secure the support to a suitable surface using appropriate screws and wall plugs (not supplied). Slide the power supply unit into the support.
3. **Connect Input Power:** Plug the power supply's AC input cable into a standard 230V AC, 50/60Hz wall outlet. Ensure the connection is secure.
4. **Connect Output Devices:** Connect your 12V DC devices (e.g., antenna amplifiers) to the two output terminals of the PSU412. Ensure correct polarity (+ and -) for each connection. Each output can supply up to 200mA. Do not exceed this current limit per output.



Figure 1: Fracarro PSU412 Stabilized Power Supply. This image shows the compact design of the power supply unit, highlighting its input and dual output ports for connecting to a 230V AC source and two 12V DC devices, respectively.

6. Operating Instructions

Operating the Fracarro PSU412 is straightforward:

1. **Power On:** Once all connections (AC input and DC outputs) are securely made, the power supply will begin to operate. There is typically no separate power switch.
2. **Verify Operation:** Check the connected devices to ensure they are receiving power and functioning correctly.
3. **Power Off:** To turn off the power supply, simply disconnect it from the 230V AC mains outlet.

7. Maintenance

The Fracarro PSU412 requires minimal maintenance:

- **Cleaning:** Periodically clean the exterior of the unit with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Regularly inspect the power cord and connections for any signs of damage or wear. If any damage is found, discontinue use and seek professional repair.
- **Ventilation:** Ensure that the ventilation openings (if any) remain clear of dust and obstructions.

8. Troubleshooting

If you encounter issues with your Fracarro PSU412, refer to the following troubleshooting guide:

- **No Power to Devices:**
  - Ensure the power supply is securely plugged into a working 230V AC outlet.
  - Check the power cord for any visible damage.
  - Verify that the connected devices are properly wired to the PSU412 outputs with correct polarity.
  - Confirm that the total current draw of your devices does not exceed 200mA per output.
- **Unstable Output / Device Malfunction:**
  - Ensure the power supply is not overloaded. Reduce the number or power consumption of connected devices if necessary.
  - Check for loose connections at both the input and output terminals.
  - Ensure the unit is in a well-ventilated area and not overheating.

If the problem persists after attempting these steps, discontinue use and contact customer support or a qualified technician.

9. Specifications

Brand	Fracarro
Model Name	PSU412
Input Voltage	230V AC
Output Voltage	12V DC
Output Current	200mA per output (2 outputs total)
Number of Outputs	2
Manufacturer	FRACARRO RADIOINDUSTRIE
ASIN	B00BFQE10S
Product Model Number (Internal)	289562

Note: Specifications are subject to change without notice.

10. Warranty and Support

Fracarro products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Fracarro website.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact your retailer or the authorized Fracarro service center in your region. Ensure you have your product model (PSU412) and purchase details available when contacting support.

© 2023 Fracarro. All rights reserved.

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

Anonymous

Email

you@example.com

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