Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DEWIN IRCXQYAYD-GS109143-06

DEWIN 2P 63A 230V AC Adjustable Over/Under Voltage and Over Current Protector User Manual

Model: IRCXQYAYD-GS109143-06

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your DEWIN 2P 63A 230V AC Adjustable Over/Under Voltage and Over Current Protector. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: DEWIN 2P 63A 230V AC Adjustable Over/Under Voltage and Over Current Protector. This image shows the front view of the device with its digital display and control buttons.

2. Product Overview

2.1 Key Features

- **Voltage Protection:** Adjustable overvoltage and undervoltage protection.
- **Current Protection:** Adjustable overcurrent protection.
- **Digital Display:** Real-time display of voltage and current.
- **Automatic Recovery:** Automatically restores power when voltage/current returns to normal.

- **Adjustable Delay Times:** Customizable recovery and power-on delay settings.
- **DIN Rail Installation:** Standard 35mm DIN rail mounting for easy integration.
- **Flame Retardant Shell:** Constructed from flame-retardant PC material for enhanced safety.

2.2 Product Components and Display

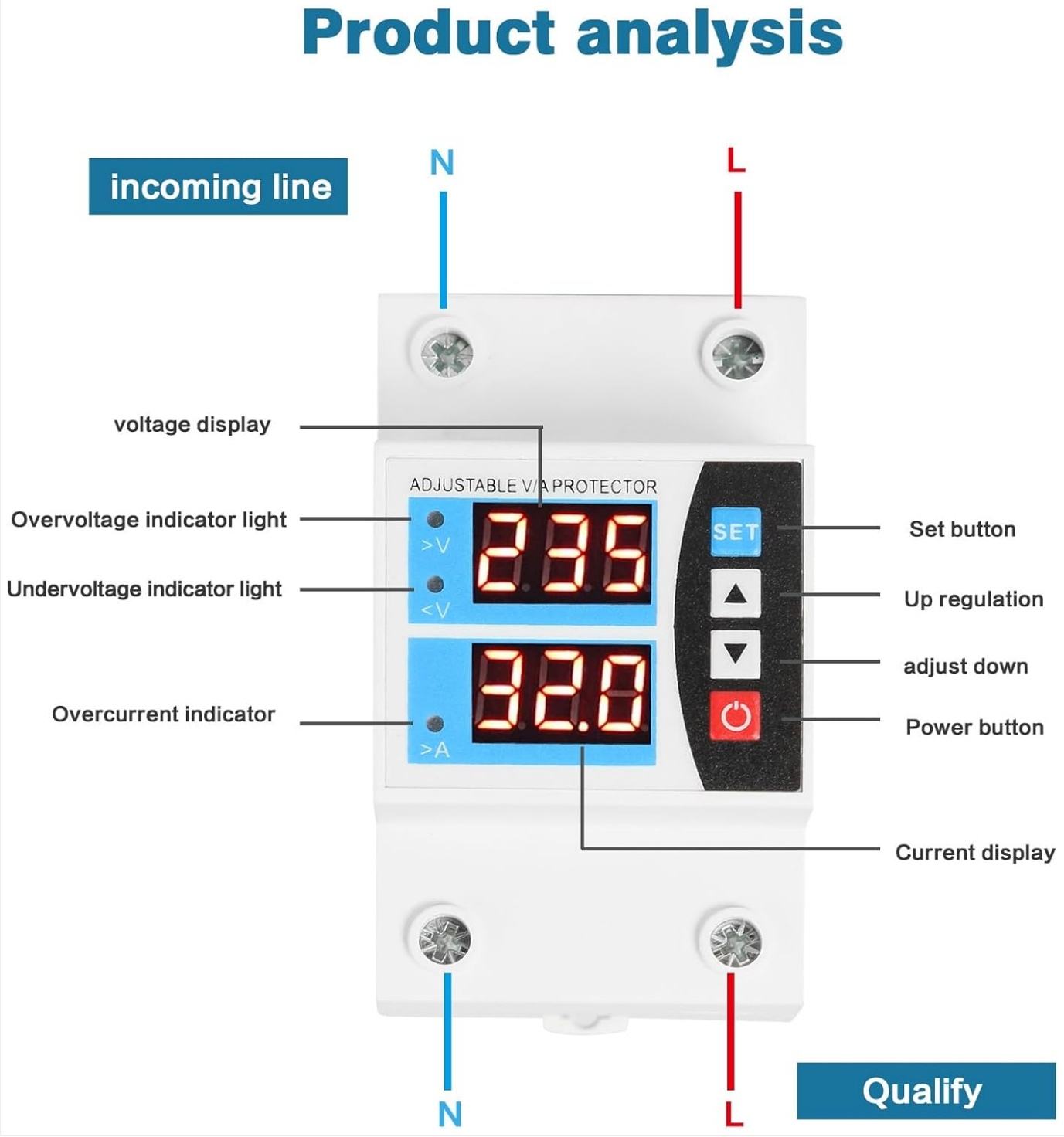


Figure 2: Labeled components of the DEWIN Protector. This diagram highlights the voltage display, overvoltage indicator light, undervoltage indicator light, overcurrent indicator, current display, SET button, Up regulation button, Adjust down button, and Power button.

The device features a clear digital display for real-time monitoring of voltage and current. Indicator lights provide quick visual feedback on protection status. Control buttons allow for easy adjustment of protection parameters.

3. Specifications



Figure 3: Product dimensions and key specifications. This image provides a visual representation of the device's size and a summary of its technical data.

Parameter	Value
Material	PC + Copper
Rated Voltage	230V AC, 50/60Hz
Insulation Voltage	400V
Rated Current	1-63A adjustable (default 63A)
Overvoltage Protection Range	230V - 300V adjustable (default 270V)
Overvoltage Recovery Delay Time	1 - 300 seconds adjustable (default 30 seconds)
Undervoltage Protection Range	140V - 210V adjustable (default 170V)

Parameter	Value
Undervoltage Recovery Delay Time	1 - 300 seconds adjustable (default 30 seconds)
Overcurrent Adjustment Range	1 - 63A (default 63A)
Overcurrent Recovery Delay Time	1 - 300 seconds adjustable (default 30 seconds)
Action Time	Default 2 seconds
Power Consumption	≤ 2W
Electrical-Mechanical Life	≥ 4000 times
Dimensions	85 x 36 x 66 mm
Installation Method	35mm DIN rail
Working Environment Temperature	-25 °C to +40 °C
Working Environment Humidity	< 90%
Altitude	Not more than 2000m
Item Weight	160 g
Country of Origin	China

4. Safety Precautions

Failure to follow these safety precautions may result in electric shock, fire, or damage to the device.

1. The live conductor must meet the corresponding standard current value, and the load current must not exceed the maximum protection current value of the device.
2. The neutral conductor (N) must be correctly connected and securely fixed. The neutral conductor (N) of this protection device is directly connected without a disconnection function.
3. After powering on the product, do not touch live parts to avoid electric shock.
4. Ensure all wiring is performed by a qualified electrician in accordance with local electrical codes and regulations.
5. Do not operate the device if it appears damaged or malfunctioning.

5. Installation

5.1 DIN Rail Mounting



Figure 4: The device is designed for convenient 35mm DIN rail installation. This image also highlights the flame-retardant shell and digital display features.

The protector is designed for standard 35mm DIN rail installation. To install:

1. Ensure the main power supply is turned off before installation.
2. Align the device with the DIN rail.
3. Press firmly until it clicks into place.
4. Verify that the device is securely mounted.

5.2 Wiring Diagram

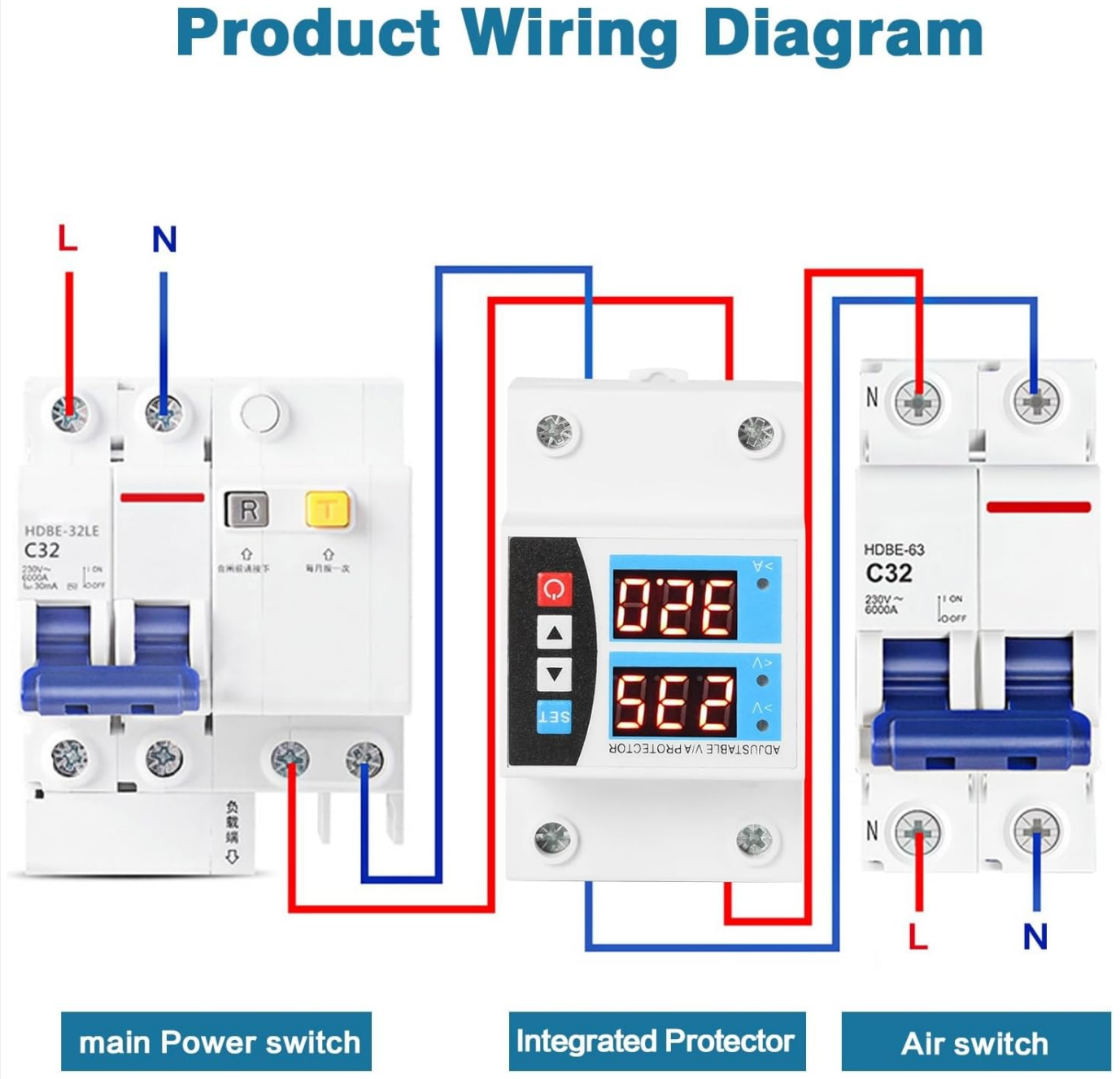


Figure 5: Typical wiring diagram for the DEWIN Protector. This diagram illustrates how to connect the protector between a main power switch and an air switch (circuit breaker) for comprehensive protection.

Refer to the wiring diagram above for proper connection. The device should be installed in series with the main power supply to protect downstream circuits and appliances.

- Connect the incoming live (L) and neutral (N) lines to the corresponding terminals on the protector.
- Connect the outgoing live (L) and neutral (N) lines from the protector to your load or downstream circuit breaker.
- Ensure all connections are tight and secure.

6. Operation

6.1 Initial Power-Up

Once installed and wired correctly, turn on the main power supply. The device's digital display will light up, showing the current voltage. The default settings will be active.

6.2 Setting Parameters

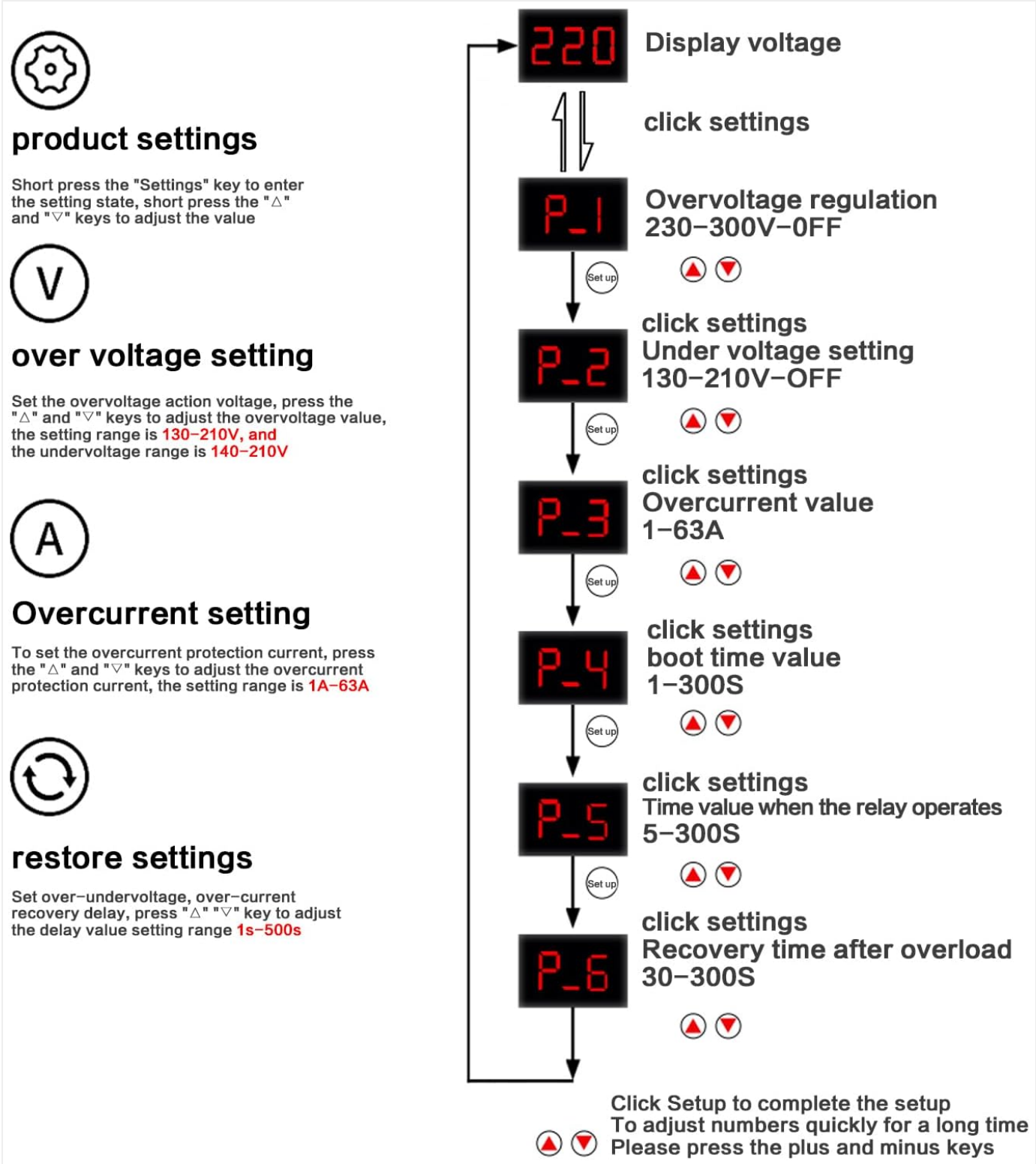


Figure 6: Flow chart illustrating the steps to adjust the protector's settings. This visual guide helps in navigating the menu and setting desired protection values.

To adjust the protection parameters:

1. **Enter Setting Mode:** Short press the **SET** button to enter the setting state. The display will show 'P_1'.
2. **Navigate Parameters:** Short press the **SET** button repeatedly to cycle through the parameters (P_1 to P_6).
3. **Adjust Values:** Use the **Up (▲)** and **Down (▼)** buttons to adjust the value for the selected parameter. Press and hold the buttons for quick adjustment.
4. **Save Settings:** After adjusting all desired parameters, press the **SET** button until the display returns to showing the voltage, or wait for a few seconds for the device to automatically save and exit the setting mode.

Parameter Details:

- **P_1: Overvoltage Regulation**
  Adjustable range: 230V - 300V (or OFF). Default: 270V.
- **P_2: Undervoltage Setting**
  Adjustable range: 140V - 210V (or OFF). Default: 170V.
- **P_3: Overcurrent Value**
  Adjustable range: 1A - 63A. Default: 63A.
- **P_4: Power-on Delay Time**
  Adjustable range: 1 - 300 seconds. This is the delay before the device connects power after being turned on or after a recovery.
- **P_5: Over/Undervoltage Recovery Delay Time**
  Adjustable range: 1 - 300 seconds. This is the delay before the device restores power after a voltage fault has cleared.
- **P_6: Overcurrent Recovery Delay Time**
  Adjustable range: 30 - 300 seconds. This is the delay before the device restores power after an overcurrent fault has cleared.

To restore factory settings, specific instructions are usually provided by the manufacturer. If not available in this manual, please contact customer support.

7. Maintenance

The DEWIN Protector is designed for long-term, reliable operation with minimal maintenance. Follow these guidelines:

- **Cleaning:** Periodically wipe the device with a dry, soft cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring connections to ensure they remain tight and free from corrosion.
- **Environmental Conditions:** Ensure the device operates within the specified temperature and humidity ranges to prevent damage.
- **Avoid Obstruction:** Do not obstruct the ventilation openings (if any) to ensure proper heat dissipation.

8. Troubleshooting

If you encounter issues with your DEWIN Protector, refer to the following common problems and solutions:

- **Device Not Powering On:**
  Possible Cause: No input power or incorrect wiring.
  Solution: Check the main power supply and verify all wiring connections according to the diagram in Section 5.2.
- **Device Trips Frequently:**
  Possible Cause: Protection parameters are set too low, or there is a persistent fault (overvoltage, undervoltage, overcurrent) in the circuit.
  Solution: Review and adjust the protection parameters (P_1, P_2, P_3) as needed. Investigate the connected load for any electrical faults.
- **Display Shows Error Code/Abnormal Reading:**
  Possible Cause: Internal malfunction or severe power anomaly.
  Solution: Disconnect power, wait a few minutes, then reconnect. If the issue persists, contact customer support.
- **Cannot Adjust Settings:**
  Possible Cause: Not in setting mode or buttons are unresponsive.
  Solution: Ensure you are pressing the **SET** button correctly to enter setting mode. If buttons are unresponsive, try cycling power to the device.

For issues not covered here, please contact DEWIN customer support.

9. Package Contents

Upon opening the package, please verify that all items are present and undamaged:

- 1 x DEWIN 2P 63A 230V AC Adjustable Over/Under Voltage and Over Current Protector
- 1 x User Manual

10. Warranty and Support

DEWIN products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the product packaging or contact your retailer. Please have your model number (IRCXQYAYD-GS109143-06) available when contacting 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.

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

Open the live page

https://manuals.plus/asin/B0CLZCQG1S

More documents and user manuals: **https://manuals.plus/**