

DEWIN IIDXADYIA-63A

DEWIN 2P Dual Display DIN-rail Adjustable Over and Under Voltage Protector AC400V (63A) Instruction Manual

Model: IIDXADYIA-63A

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the DEWIN 2P Dual Display DIN-rail Adjustable Over and Under Voltage Protector. This device is designed to protect electrical equipment from damage caused by overvoltage, undervoltage, and overcurrent conditions in AC systems. Please read this manual thoroughly before installation and use to ensure safe and proper operation.

2. SAFETY INFORMATION

- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Ensure the power supply is disconnected before installation, wiring, or maintenance to prevent electric shock.
- Do not operate the device if it is damaged or malfunctioning.
- The device is designed for indoor use in a dry environment. Avoid exposure to moisture, dust, or corrosive gases.
- Do not exceed the specified nominal voltage and current ratings.

3. PRODUCT OVERVIEW

3.1 Key Features

- Overvoltage, undervoltage, and overcurrent protection.
- Dual digital display for real-time voltage and current monitoring.
- Adjustable protection values and recovery delays.
- Automatic reset function.
- DIN-rail mounting for easy installation.
- Durable PC plastic and copper construction.

3.2 Product Components and Indicators

The device features a clear layout for easy identification of components and indicators.

Product analysis

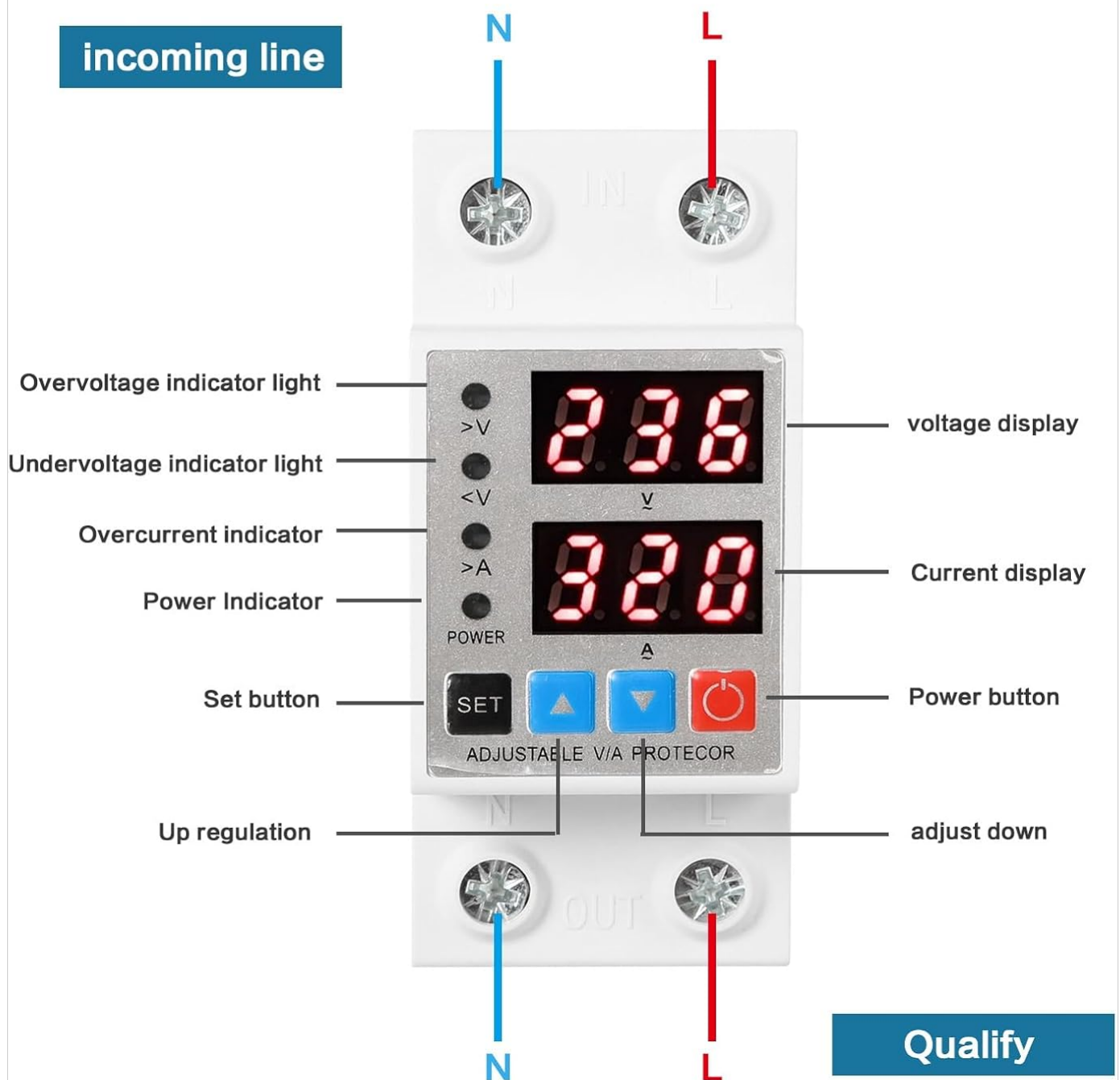


Image: DEWIN Voltage Protector Components and Indicators. This image displays the front panel of the voltage protector, highlighting its various components and indicators. These include the input (IN) and output (OUT) terminals, the dual digital display for voltage and current, indicator lights for overvoltage (>V), undervoltage (<V), and overcurrent (>A), a power indicator, a 'SET' button, 'Up' and 'Down' adjustment buttons, and a 'Power' button.

- **Voltage Display:** Shows the current voltage.
- **Current Display:** Shows the current amperage.
- **Overvoltage Indicator Light (>V):** Illuminates when an overvoltage condition is detected.
- **Undervoltage Indicator Light (<V):** Illuminates when an undervoltage condition is detected.
- **Overcurrent Indicator Light (>A):** Illuminates when an overcurrent condition is detected.
- **Power Indicator:** Indicates the device is powered on.
- **SET Button:** Used to enter and confirm parameter settings.

- **Up/Down Buttons:** Used to adjust parameter values.
- **Power Button:** Used to manually turn the output on/off.

4. SPECIFICATIONS

Parameter	Value
Material	PC Plastic + Copper
Nominal Voltage	230VAC 50/60Hz
Insulation Voltage	400V
Nominal Current (Adjustable)	1-63A (Default 63A)
Overvoltage Protection Range	230V-300V (Default 270V)
Overvoltage Recovery Delay	1-300 seconds (Default 30 seconds)
Undervoltage Protection Range	140V-210V (Default 170V)
Undervoltage Recovery Delay	1-300 seconds (Default 30 seconds)
Overcurrent Setting Range	1-63A (Default 63A)
Overcurrent Recovery Delay	1-300 seconds (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	35 mm DIN-rail
Operating Environment Temperature	-25°C to +40°C
Operating Environment Humidity	<90%
Altitude	Not more than 2000m

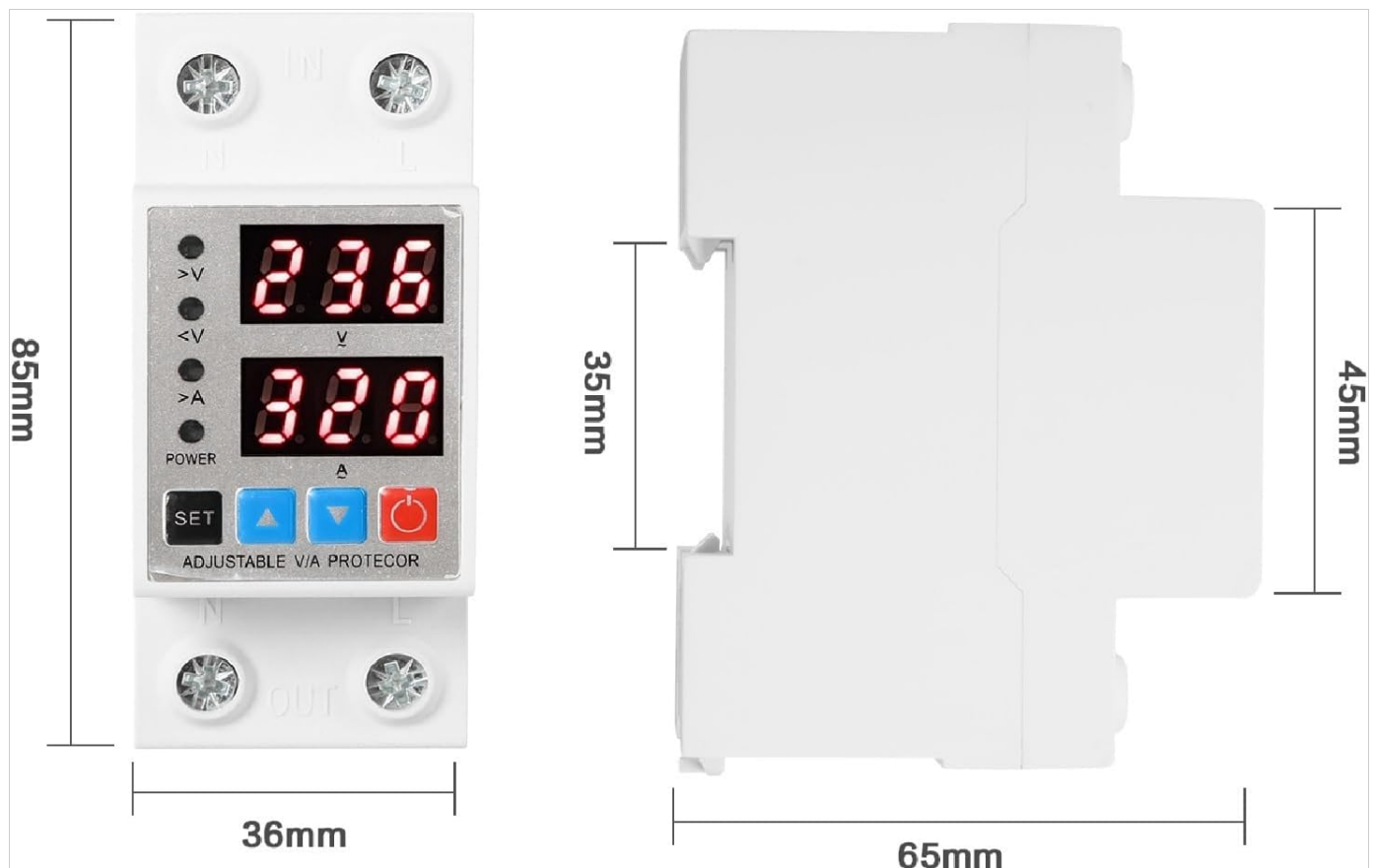


Image: DEWIN Voltage Protector Dimensions. This image provides a detailed diagram of the voltage protector's physical dimensions, showing its height (85mm), width (36mm), and depth (65mm), along with the 35mm DIN-rail mounting standard.

5. SETUP AND INSTALLATION

5.1 Mounting

The DEWIN Voltage Protector is designed for installation on a standard 35mm DIN-rail. Ensure the DIN-rail is securely mounted within an electrical enclosure.

1. Locate a suitable position on the 35mm DIN-rail.
2. Align the device's mounting clip with the DIN-rail.
3. Press the device firmly onto the rail until it clicks into place.

5.2 Wiring Diagram

Refer to the following diagram for proper wiring connections. Always ensure power is disconnected before wiring.

Product Wiring Diagram

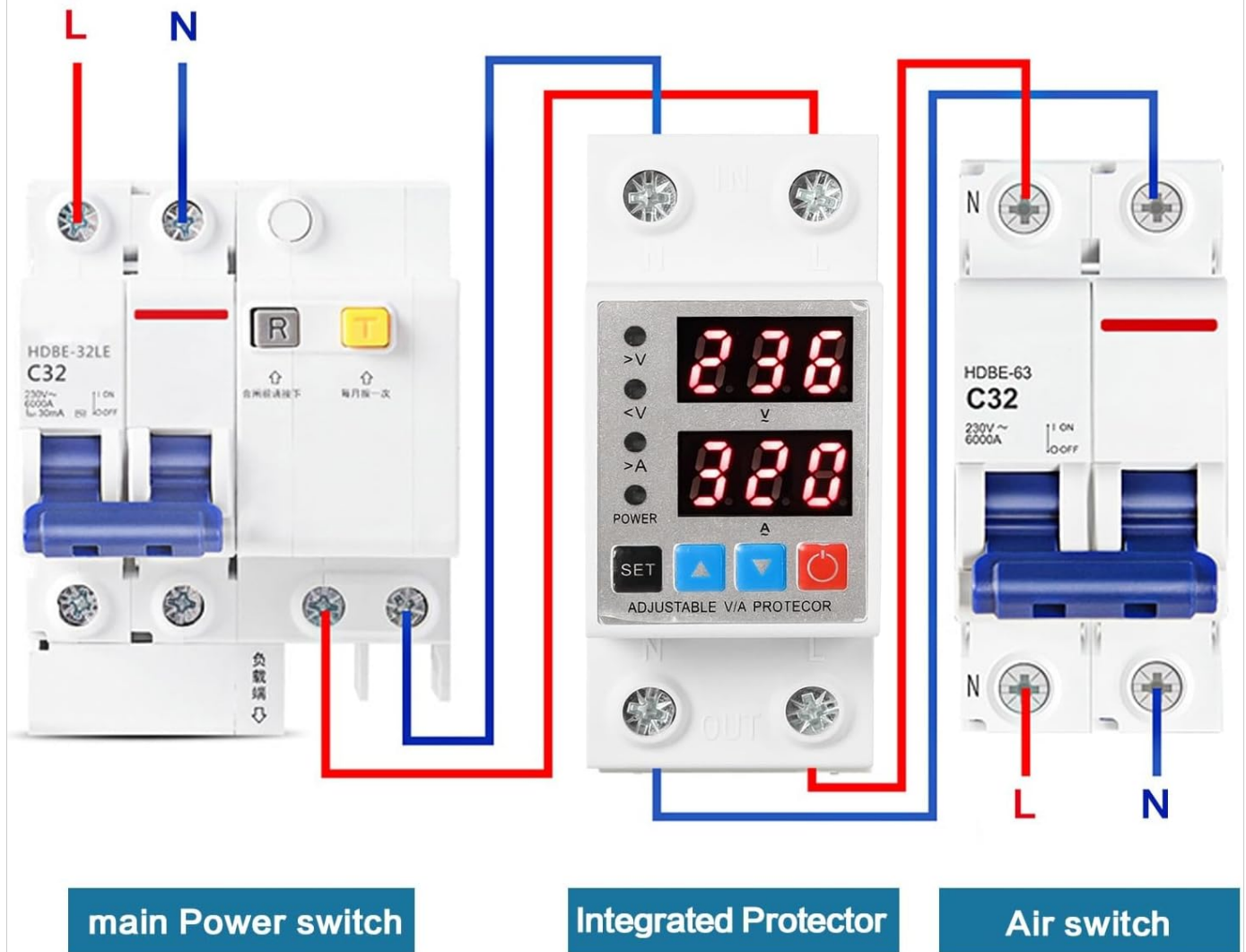


Image: DEWIN Voltage Protector Wiring Diagram. This diagram illustrates the connection of the DEWIN Voltage Protector within an electrical circuit. It shows the protector connected in series with a main power switch and an air switch (circuit breaker), indicating the Live (L) and Neutral (N) input and output connections.

- Connect the incoming Live (L) and Neutral (N) wires to the "IN" terminals of the protector.
- Connect the outgoing Live (L) and Neutral (N) wires to the "OUT" terminals of the protector, leading to the protected load.
- Ensure all connections are tight and secure.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- After proper installation and wiring, turn on the main power supply. The device will display the current voltage and current.
- To manually turn the output on or off, press the **Power button** (🔌).

6.2 Parameter Setting

The device allows for adjustment of various protection parameters. Follow the flowchart and steps below to configure the settings.



product settings

Short press the "Settings" key to enter the setting state, short press the "△" and "▽" keys to adjust the value



over voltage setting

Set the overvoltage action voltage, press the "△" and "▽" keys to adjust the overvoltage value, the setting range is **130-210V**, and the undervoltage range is **140-210V**



Overcurrent setting

To set the overcurrent protection current, press the "△" and "▽" keys to adjust the overcurrent protection current, the setting range is **1A-63A**



restore settings

Set over-undervoltage, over-current recovery delay, press "△" "▽" key to adjust the delay value setting range **1s-500s**

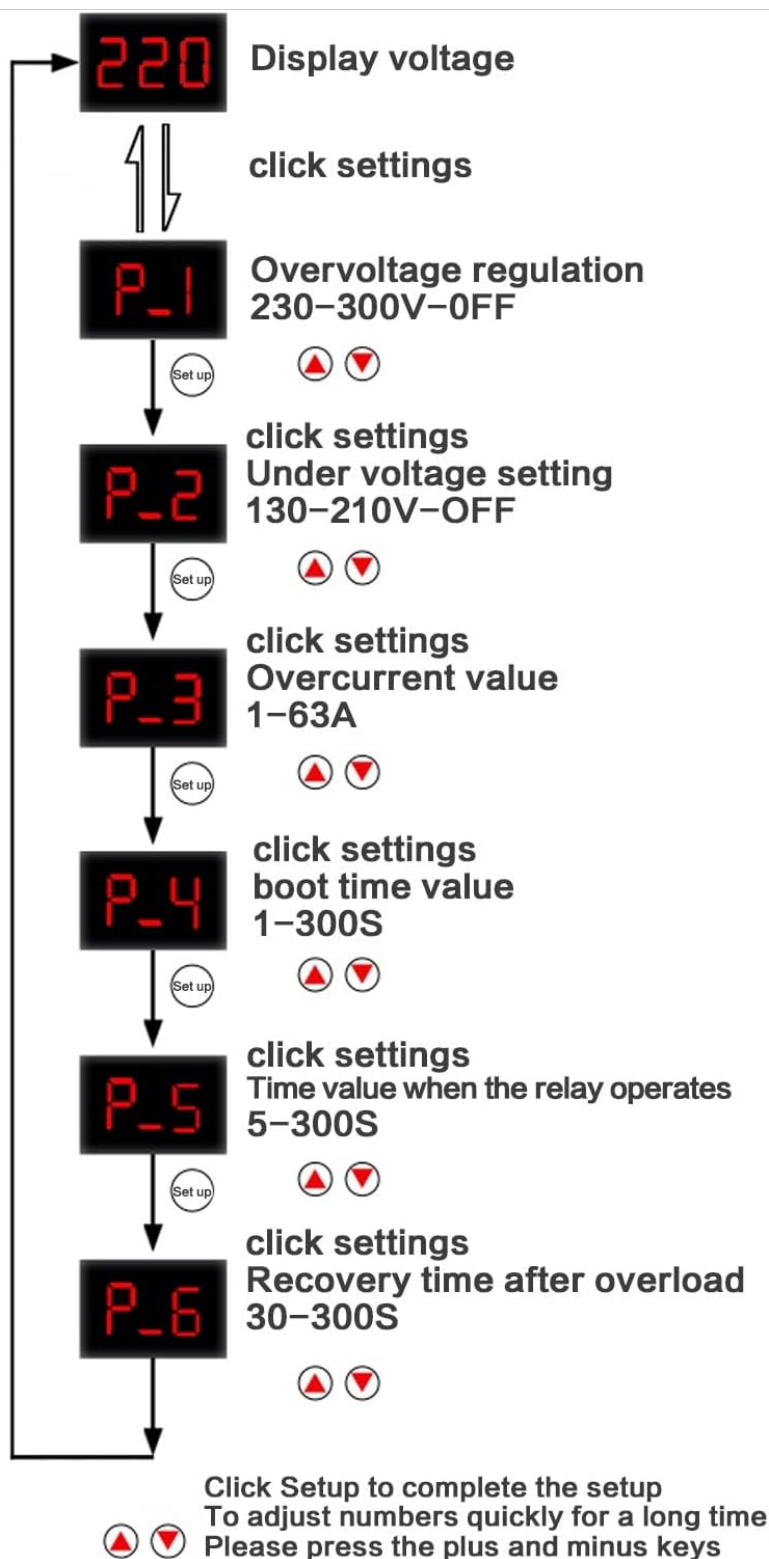


Image: DEWIN Voltage Protector Parameter Setting Flowchart. This flowchart details the steps for configuring the device's protection parameters. It shows how to enter settings, adjust values for overvoltage, undervoltage, overcurrent, boot time, relay operation time, and recovery time after overload, using the 'SET' and 'Up/Down' buttons.

- 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** again to cycle through the parameters (P_1 to P_6).
- 3. Adjust Values:** When the desired parameter (e.g., P_1 for overvoltage) is displayed, use the **Up** (▲) and **Down** (▼) buttons to adjust the value. Press and hold the Up/Down buttons for faster adjustment.
- 4. Confirm and Exit:** After setting all parameters, short press the **SET button** until the device exits the setting mode and returns to displaying real-time voltage and current. If no button is pressed for a few seconds, the device will automatically exit setting mode.

Parameter Descriptions:

- **P_1: Overvoltage Regulation (230V-300V, default 270V):** Sets the voltage threshold at which overvoltage protection activates.
- **P_2: Undervoltage Setting (140V-210V, default 170V):** Sets the voltage threshold at which undervoltage protection activates.
- **P_3: Overcurrent Value (1-63A, default 63A):** Sets the current threshold at which overcurrent protection activates.
- **P_4: Boot Time Value (1-300S, default 30S):** Sets the delay time before the device powers on after a power interruption or manual power-on.
- **P_5: Time Value when the Relay Operates (1-300S, default 30S):** This parameter refers to the recovery delay for voltage protection (overvoltage/undervoltage).
- **P_6: Recovery Time after Overload (30-300S, default 30S):** Sets the delay time before the device restores power after an overcurrent event.

7. MAINTENANCE

- Regularly inspect the device for any visible damage or loose connections.
- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Do not use abrasive cleaners or solvents.
- Ensure adequate ventilation around the device to prevent overheating.
- No user-serviceable parts inside. Do not attempt to open or repair the device.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; incorrect wiring; device fault.	Check main power supply. Verify wiring connections. If problem persists, contact support.
Output is off, indicator lights are on.	Overvoltage, undervoltage, or overcurrent protection activated.	Check the power supply voltage/current. The device will automatically restore power after the set recovery delay once conditions normalize. Manually reset if necessary after resolving the fault.
Cannot adjust parameters.	Not in setting mode; buttons malfunctioning.	Short press the SET button to enter setting mode. If buttons are unresponsive, contact support.
Inaccurate voltage/current readings.	Wiring issue; internal fault.	Verify wiring connections. If readings remain inaccurate, contact support.

9. WARRANTY AND SUPPORT

DEWIN products are manufactured to high-quality standards. For warranty information and technical support, please refer to the documentation included with your purchase or contact your retailer. Please have your model number (IIDXADYIA-63A) and purchase date ready when contacting support.

For further assistance, you may visit the [DEWIN brand store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

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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

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