

DeWin DEWINvbhaozkn3s

DeWin DC 24V Digital Display Timer Delay Cycle Relay Module User Manual

Model: DEWINvbhaozkn3s

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your DeWin DC 24V Digital Display Timer Delay Cycle Relay Module. Please read this manual thoroughly before installation and use, and keep it for future reference.

The module is designed for precise timing control in various applications, featuring a digital display for easy parameter setting and monitoring. It offers low power consumption and is built with high-quality, durable materials.

2. SAFETY INFORMATION

Warning: Electrical components can be dangerous. Always ensure power is disconnected before installation or maintenance. Professional installation is highly recommended to prevent electrical shock or damage to the device.

- Do not operate the module beyond its specified voltage (DC 24V).
- Ensure all wiring connections are secure and correct according to the wiring diagram.
- Keep the module away from moisture, extreme temperatures, and corrosive environments.
- Do not attempt to modify or disassemble the module, as this may void the warranty and pose safety risks.

3. PRODUCT OVERVIEW

The DeWin DC 24V Digital Display Timer Delay Cycle Relay Module is a compact and portable control board designed for various timing applications. It features a clear digital display and intuitive buttons for setting operational parameters.

3.1 Key Features

- Digital display for precise time and parameter visualization.
- Three adjustable parameter sets: P0 (timing range), P1 (working mode), P2 (display brightness).

- Durable construction with high-quality materials.
- Low power consumption.
- Compact size: 7.1 x 3.9 x 2.5 cm.

3.2 Component Identification



Figure 1: Front view of the module with labeled components.

This image shows the front panel of the DeWin timer relay module. Key components are labeled: "UP" button (top left), "DOWN" button (bottom left), "SET" button (top right), "OK" button (bottom right), "Time1" display (top center), "Time2" display (bottom center), and an "OUT" LED indicator light.

- **Digital Displays (Time1, Time2):** Show current time values or parameter settings.
- **UP Button:** Used to increase values or navigate menus.
- **DOWN Button:** Used to decrease values or navigate menus.
- **SET Button:** Enters parameter setting mode.
- **OK Button:** Confirms settings and restarts the timer.
- **OUT LED:** Indicates relay output status.

4. SPECIFICATIONS

Parameter	Value
Operating Voltage	DC 24 Volts
Brand	DeWin
Material	Acrylonitrile Butadiene Styrene
Item Dimensions (L x W x H)	7.1 x 3.9 x 2.5 centimeters
Model	DEWINvbhaozkn3s
Country of Origin	China

5. SETUP AND WIRING

Before connecting the module, ensure the power supply is disconnected. Refer to the wiring diagram below for correct connections.

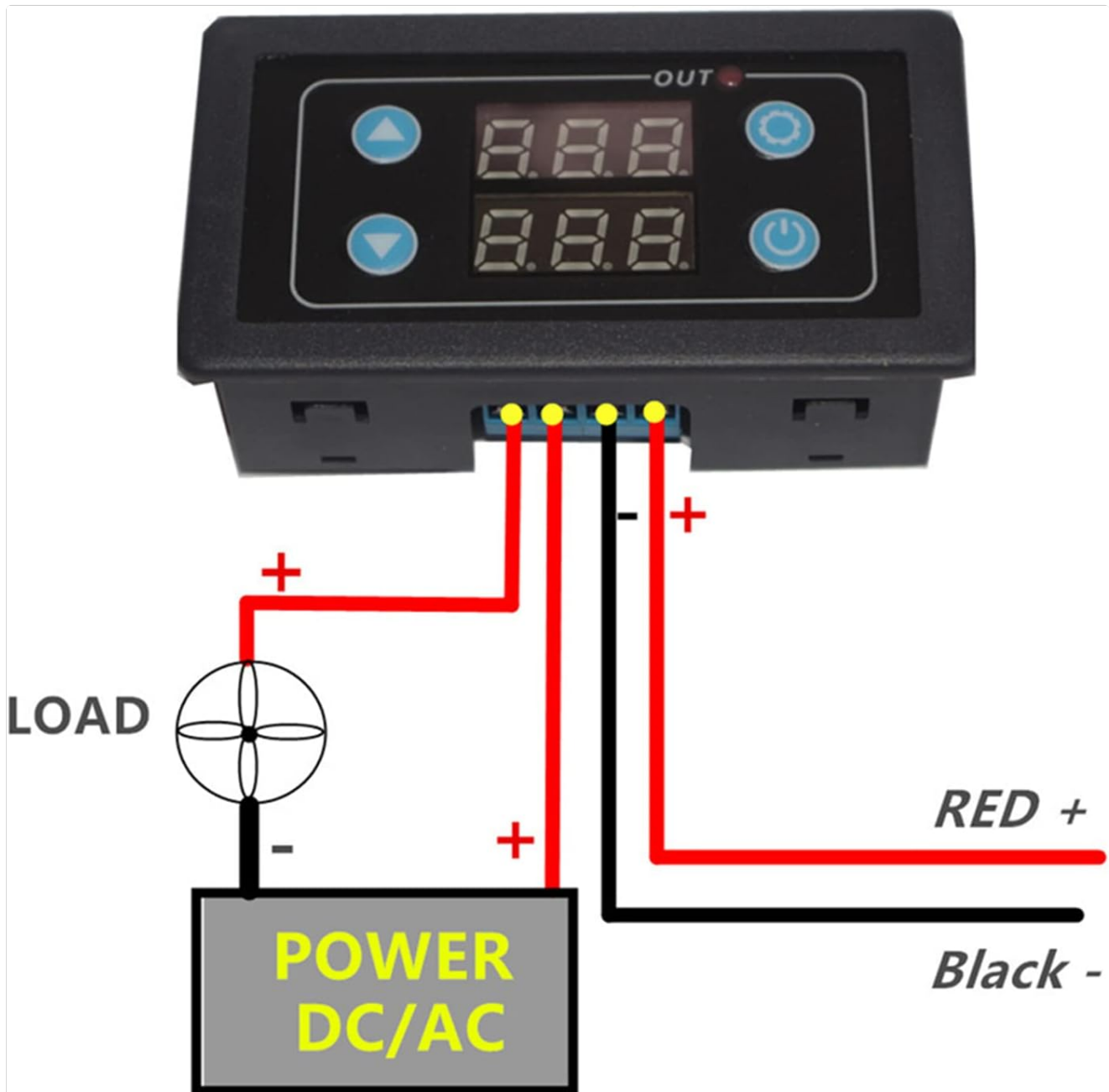


Figure 2: Wiring Diagram.

This diagram illustrates how to connect the DeWin timer relay module. It shows connections for a DC/AC power source (Red + and Black -) and a load (e.g., a fan) connected to the module's output terminals. Ensure positive and negative terminals are correctly matched.

- Connect the DC 24V power supply to the designated input terminals (usually marked + and -).
- Connect your load (e.g., motor, light) to the output terminals of the relay. Ensure the load's power requirements are within the relay's specifications.
- Double-check all connections for polarity and security before applying power.

6. OPERATING INSTRUCTIONS

The module features three main parameter sets (P0, P1, P2) for configuration. Use the SET, UP, DOWN, and OK

buttons to navigate and adjust settings.



Figure 3: Parameter Descriptions.

This image displays the three main parameter settings for the DeWin Delay Relay Module: P0 for timing range, P1 for working mode, and P2 for display brightness adjustment.

6.1 Setting Parameters (P0, P1, P2)

1. **Enter Setting Mode:** Press and hold the **SET** button until the display changes to show parameter options (e.g., P0).
2. **Select Parameter:** Use the **UP** or **DOWN** buttons to cycle through P0, P1, P2.
3. **Adjust Parameter Value:** Once the desired parameter (e.g., P0) is displayed, press the **SET** button again to enter its value adjustment mode. Use **UP** or **DOWN** to change the value.
4. **Confirm and Save:** After setting the value, press the **OK** button to save the setting and return to the parameter selection menu. Repeat for P1 and P2 as needed.
5. **Exit Setting Mode:** Press and hold the **SET** button again to exit the setting mode and return to normal operation.

6.2 OK Button Functions

The **OK** button serves two primary functions:

- **Save and Start:** After setting parameters, pressing the **OK** button saves the configuration and initiates the timer's operation.
- **Restart Timer:** If the timer has completed its cycle and you wish to restart it, a short press of the **OK** button will re-trigger the function and restart the timer.



Figure 4: Restarting the Timer.

This image shows two DeWin timer relay modules. The text overlay explains: "Trigger the function again. After the timer has finished working normally, it needs to work again. Short press the confirm button to restart the timer."

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the module. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check wiring connections for looseness or signs of wear.
- **Storage:** If storing the module for an extended period, keep it in a dry, dust-free environment.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Module does not power on.	Incorrect power connection, no power supply, faulty module.	Check power supply voltage (DC 24V). Verify power wiring polarity and connections. If issues persist, the module may be faulty.
Relay does not activate.	Incorrect parameter settings, faulty wiring to load, load exceeding relay capacity.	Review P0 and P1 settings. Check wiring to the load. Ensure the load's current/voltage is within the relay's limits.
Display is dim or unreadable.	P2 (display brightness) setting is too low.	Adjust P2 parameter to increase display brightness.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and duration. For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the manufacturer directly.

Manufacturer: DEWIN

Model: DEWINvbhaozkn3s