Neoteck DC 12V Timer Switch

Neoteck DC 12V Timer Switch User Manual

Model: DC 12V Timer Switch

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Neoteck DC 12V Timer Switch. Please read this manual thoroughly before use to ensure proper functionality and safety.

Figure 1: Neoteck DC 12V 16A Electronic LCD Timer Switch overview.

SPECIFICATIONS

Feature	Detail
Brand	Neoteck
Color	Gray, Off-white
Material	Polycarbonate

Feature	Detail
Product Dimensions	1.97"D x 3.15"W x 3.15"H
Item Weight	9.9 ounces (281 Grams)
Number of Settings	16 ON/OFF programs

SETUP AND WIRING

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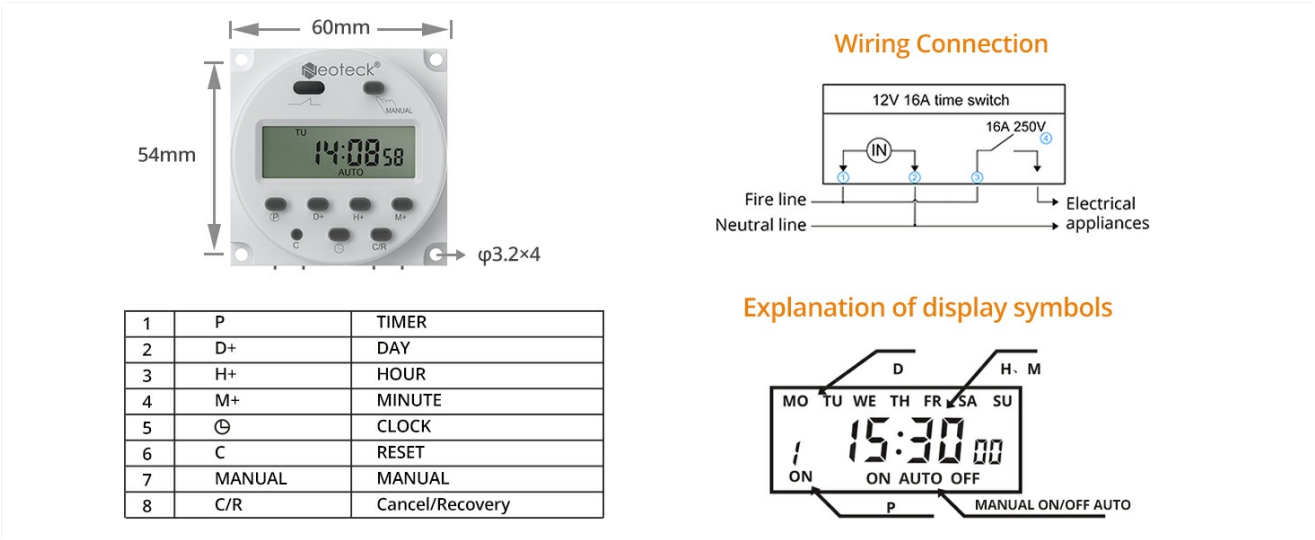

Figure 2: Product dimensions, wiring diagram, and display symbol explanations.

Wiring Connection

Connect the timer switch according to the provided diagram. Ensure the fire line and neutral line are correctly connected to the input terminals. The output terminals connect to your electrical appliances.

Display Symbols

Understand the symbols on the LCD for proper operation:

- **P:** Program setting
- **D+:** Day adjustment
- **H+:** Hour adjustment
- **M+:** Minute adjustment
- **Clock:** Time display/Exit program mode
- **C:** Reset button
- **Manual:** Manual ON/OFF/AUTO mode selection
- **C/R:** Cancel/Recovery

OPERATING INSTRUCTIONS

1. Local Time Setting

1. Press the "Clock" button.

2. Press **D+** to set the day.

3. Press **H+** to set the hour.

4. Press **M+** to set the minute.

2. Entering Programming Mode

To set ON/OFF times, follow these steps:

1. Press **P** (Program) once. The display will show "01 ON".

2. Use **D+**, **H+**, **M+** to set the desired turn ON time.

3. Press **P** again. The display will show "01 OFF".

4. Use **D+**, **H+**, **M+** to set the desired turn OFF time.

5. Repeat steps 1-4 for additional ON/OFF programs (up to 16).

6. After setting all programs, press the "Clock" button to save and exit.

Operating Instruction

1. Local Time Setting:
Press " c " to Reset at first. Keep pressing " ⏲ " key, then press "D+"key to set day, press"H+" key to set hour, press "M+" key to set minute.

2. Enter into programming as belows:

Step	Key	Programming
1	Press P	Setting 1ON time (display 1ON)
2	Press H+/M+	Setting hours and minutes
3	Press D+	To select same every day, or different time each day
4	Press P	Setting 1OFF time(display 1OFF)
5	Press H+/M+	Setting hours and minutes turn off time
6	Press D+	If you want the same every day,you need not press this key
7	Repeatstep 2-6	Set 2-16 on/off time
8	Press ⏲	End

72mm

72mm   33mm

Figure 3: Detailed steps for setting local time and programming ON/OFF cycles.

3. Manual Mode Selection

Press the **Manual** button to cycle through modes: ON, AUTO, OFF. In AUTO mode, the timer operates according to your programmed settings.

4. Resetting Programs

To clear all programs and reset the timer, press the **C** (Reset) button using a pointed object.

5. Battery Replacement

The timer switch includes a rechargeable lithium battery for power reserve during outages. If the display is blank or erratic, the battery may need replacement. Carefully open the casing and replace the CR2032 lithium cell. Ensure correct polarity.

Maintenance

- Keep the device clean and dry.

- Avoid exposing the timer to extreme temperatures or direct sunlight.

- Regularly check wiring connections for security.

- The internal lithium battery (CR2032) is rechargeable and provides power reserve. If the timer loses settings

during power outages, the battery may need replacement.

Troubleshooting

- **Timer not turning ON/OFF at programmed times:**

  - Ensure the timer is in "AUTO" mode.
  - Verify that the current time and programmed times are set correctly.
  - Check all wiring connections.

- **Display is blank or erratic:**

  - Check the power supply to the timer.
  - The internal battery may be depleted. Replace the CR2032 lithium cell if necessary (refer to Operating Instructions for battery replacement).

- **Timer gets warm during operation:**

  - Some warmth is normal, especially with higher loads. Ensure the timer is not enclosed in a way that prevents proper ventilation.
  - If it becomes excessively hot or emits smoke/odor, immediately disconnect power and contact support.

- **Incorrect settings after power outage:**

  - The internal battery may not be holding a charge. Replace the CR2032 lithium cell.

Typical Applications

The Neoteck DC 12V Timer Switch can be used for various applications requiring scheduled power control:

- Preventing overcharge for battery-powered devices.
- Controlling water pumps or irrigation systems.
- Managing water heater operation.
- Automating lighting systems.
- Controlling chicken coop doors.
- Solar tracking systems.

Package Contents:
2 x Programmable Timer Switch
2 x Waterproof Cover
2 x Set Wire Connectors
1 x Manual

Prevent Overcharge   Water Control

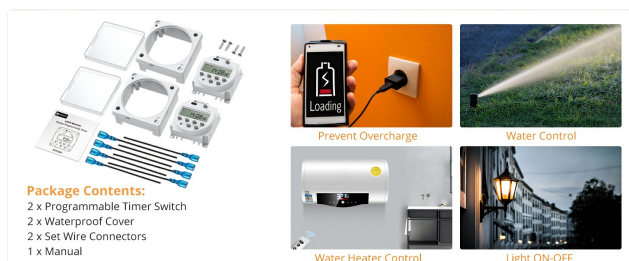Water Heater Control   Light ON-OFF

Figure 4: Examples of timer switch applications.

Your browser does not support the video tag.

Video 1: Unboxing and initial overview of the Neoteck DC 12V Timer Switch, showing package contents and the device itself.

Warranty Information

Neoteck products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Neoteck website. Keep your purchase receipt as proof of purchase.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your Neoteck DC 12V Timer Switch, please contact our customer support team:

- **Email:** support@neoteck.com
- **Website:** Visit the Neoteck Store on Amazon for FAQs and additional resources.

Please provide your product model number (DC 12V Timer Switch) and a detailed description of the issue when contacting support.