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> [POPP THC15A Digital Programmable Weekly Timer Switch 220V 16A User Manual](#)

Popp THC15A

POPP THC15A Digital Programmable Weekly Timer Switch User Manual

Brand: Popp | Model: THC15A

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your POPP THC15A Digital Programmable Weekly Timer Switch. This device is designed to automatically control the power supply to electrical appliances based on programmed schedules, offering convenience and energy efficiency. Please read this manual thoroughly before use to ensure proper function and safety.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Installation should only be performed by a qualified electrician.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not exceed the maximum load rating of 16A / 3500W.
- Do not expose the device to moisture or extreme temperatures.
- This device is for indoor use only.

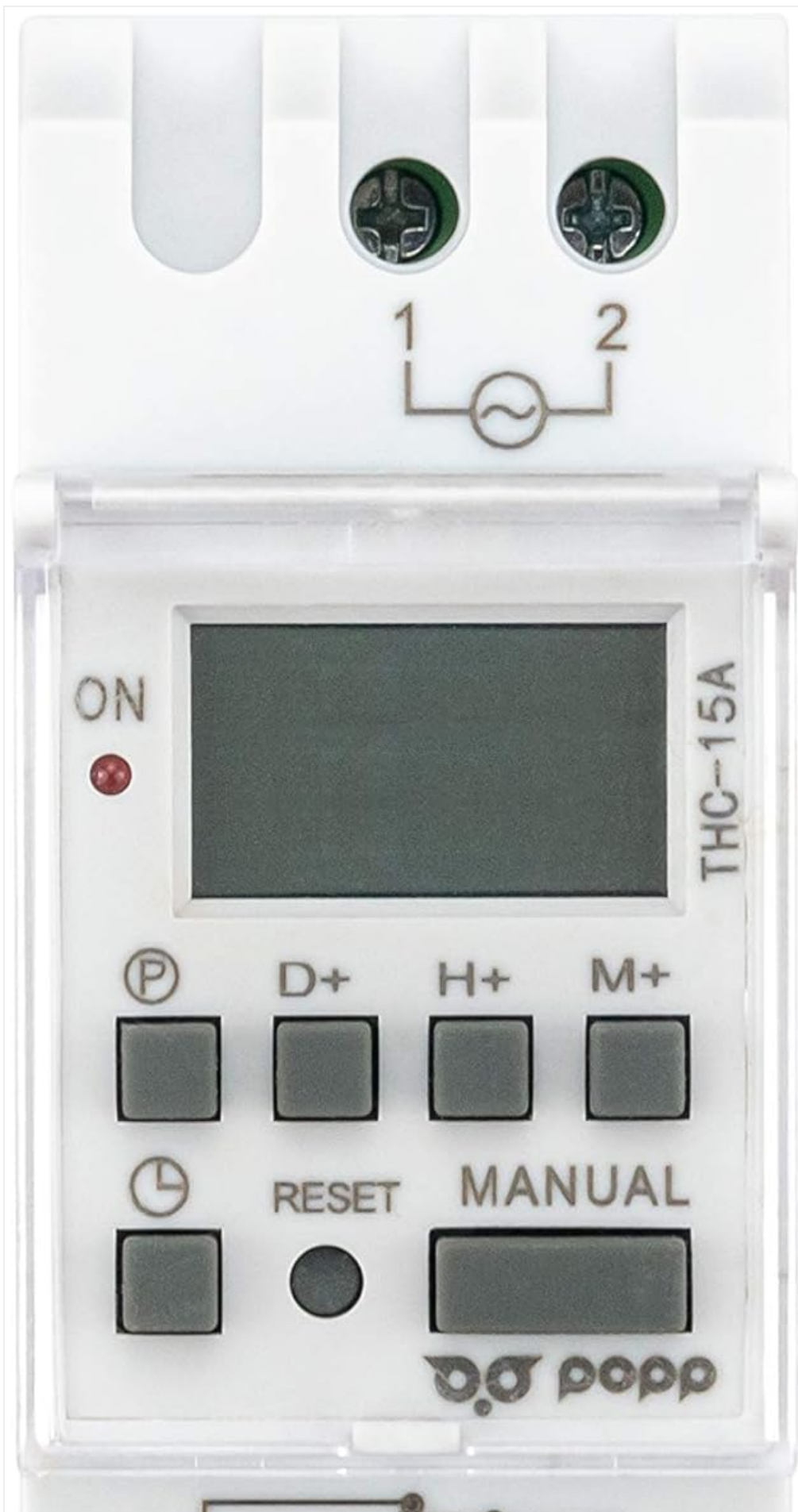
3. PRODUCT OVERVIEW

3.1 Features

- Advanced pre-setting one week before.
- Digital electronic timer switch with daily and weekly programs.
- Repeat programs with up to 17 ON/OFF settings.
- Manual override function.
- Lithium battery power reserve for memory backup during power outages.
- Ideal for household use on DB panels, rated for 3500W/16A.

- 24 hours / 7 days a week programmable.
- Automatic time error correction of +/- 30 seconds weekly.

3.2 Components



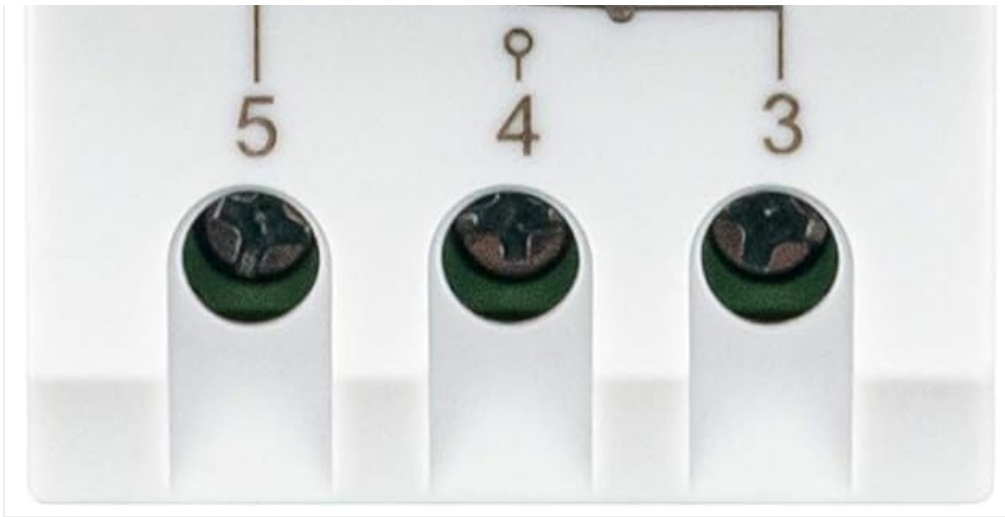


Figure 1: Front View of POPP THC15A Timer Switch. This image shows the front panel of the timer switch, featuring the LCD display, programming buttons (P, D+, H+, M+), Reset button, Manual button, and the ON indicator light.



Figure 2: Angled View of POPP THC15A Timer Switch. This image provides an angled perspective of the timer, highlighting its compact design and the protective clear cover over the display and buttons.



Figure 3: Side View of POPP THC15A Timer Switch. This image displays the side profile of the timer switch, showing its depth and DIN rail mounting clips.

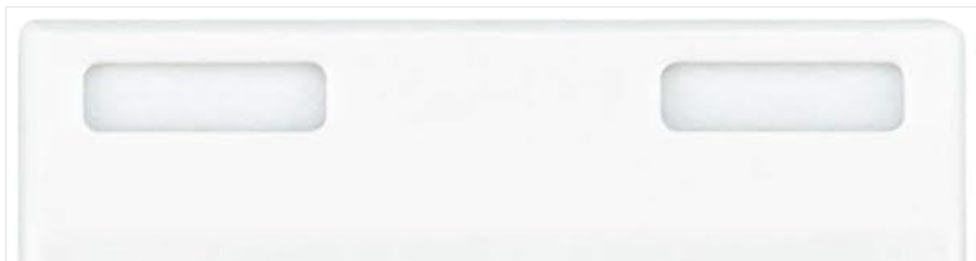






Figure 4: Back View with Wiring Diagram. This image shows the rear of the timer switch, including the terminal block for electrical connections and the printed wiring diagram for input (L, N) and output (NO, NC, COM).

4. SETUP

4.1 Installation

The THC15A timer switch is designed for DIN rail mounting. Follow these steps for installation:

1. **Disconnect Power:** Ensure the main power supply to the installation area is completely switched off before proceeding.
2. **Mounting:** Clip the timer switch onto a standard 35mm DIN rail within your electrical panel.
3. **Wiring:** Refer to the wiring diagram on the back of the device (Figure 4) and the instructions below for correct connections.
 - **Power Input (220V AC):** Connect the Live (L) wire to terminal 1 and the Neutral (N) wire to terminal 2.
 - **Load Output:** Connect the Live wire from the load to terminal 4 (Common). Connect the Live wire to be switched to terminal 3 (Normally Open, NO) for standard operation (power ON when timer is active). If a Normally Closed (NC) connection is required, use terminal 5.
 - **Bridging:** For typical applications, a bridge wire is required between terminal 1 (Input Live) and terminal 4 (Output Common) if the load is to be powered by the same source as the timer.
4. **Secure Connections:** Ensure all wire connections are tight and secure.
5. **Restore Power:** Once installation is complete and verified, restore the main power supply.

4.2 Initial Power-Up and Reset

Upon initial power-up or after a prolonged power outage, the display may be blank. The internal battery will charge, and the display should activate within a few minutes. If the display remains blank or shows erratic characters, perform a reset:

1. Locate the small **RESET** button on the front panel (usually recessed).
2. Use a pointed non-metallic object (e.g., a pen tip) to press the **RESET** button.
3. The display will clear, and the timer will return to its default settings (00:00, Monday).

5. OPERATING INSTRUCTIONS

5.1 Setting Current Time and Day

Before programming, set the current time and day:

1. Press and hold the **CLOCK** button (often marked with a clock icon).
2. While holding **CLOCK**, press **D+** to set the current day (MO, TU, WE, TH, FR, SA, SU).
3. While holding **CLOCK**, press **H+** to set the current hour (0-23).
4. While holding **CLOCK**, press **M+** to set the current minute (0-59).
5. Release the **CLOCK** button. The time is now set.

5.2 Programming ON/OFF Cycles

The timer allows up to 17 ON/OFF programs. Follow these steps:

1. Press the **P** button (Program). The display will show '1 ON'.
2. Press **D+** to select the day(s) for this program. You can choose individual days, blocks of days (e.g., MO-FR, SA-SU), or all days (MO-SU).
3. Press **H+** to set the desired ON hour.
4. Press **M+** to set the desired ON minute.
5. Press **P** again. The display will show '1 OFF'.
6. Repeat steps 2-4 to set the OFF time for the first program.
7. Press **P** again to move to the next program ('2 ON'). Repeat the process for all desired programs (up to 17 ON/OFF pairs).
8. To exit programming mode, press the **CLOCK** button. The timer will return to displaying the current time.

5.3 Manual Override

The **MANUAL** button allows you to temporarily override the programmed settings:

- Press **MANUAL** repeatedly to cycle through modes:
 - **AUTO ON:** The output is currently ON, but will follow the next programmed OFF event.
 - **AUTO OFF:** The output is currently OFF, but will follow the next programmed ON event.
 - **ON:** The output is forced ON, ignoring all programs.
 - **OFF:** The output is forced OFF, ignoring all programs.
- To return to automatic operation, cycle through the modes until 'AUTO ON' or 'AUTO OFF' is displayed, depending on the current programmed state.

6. MAINTENANCE

The POPP THC15A Digital Programmable Weekly Timer Switch requires minimal maintenance. Keep the device clean and free from dust. Do not use abrasive cleaners or solvents. Ensure the ventilation slots (if any) are not obstructed. The internal battery is designed for long-term use and is not user-replaceable.

7. TROUBLESHOOTING

If you encounter issues with your timer switch, refer to the table below:

Problem	Possible Cause	Solution
Display is blank.	No power supply; internal battery discharged.	Check power connections. Allow time for internal battery to charge (up to 15 minutes). If still blank, perform a reset.
Timer not switching load ON/OFF.	Incorrect wiring; program error; manual override active; load exceeds capacity.	Verify wiring according to Figure 4. Check programmed ON/OFF times. Ensure timer is in 'AUTO' mode. Confirm load does not exceed 16A/3500W.
Time is inaccurate.	Initial setting error; significant power fluctuations.	Reset and re-set the current time and day. The device has automatic error correction of +/- 30 seconds weekly.
Cannot enter programming mode.	Buttons unresponsive; device malfunction.	Perform a reset. If the issue persists, contact customer support.

8. SPECIFICATIONS

Brand	Popp
Model Number	THC15A
Color	White
Product Dimensions (L x W x H)	6.5 x 3.6 x 8.6 cm (65P x 36l x 86H millimeters)
Material	Plastic
Item Weight	140 Grams
Manufacturer	POPP
Number of Settings	Up to 17 ON/OFF programs
International Article Code (UPC)	08435551570641
Screen Size	2 Inches
Voltage	220-240V AC
Current Rating	16A
Frequency	50/60Hz

9. WARRANTY AND SUPPORT

Specific warranty information for the POPP THC15A Digital Programmable Weekly Timer Switch is not provided in this document. For warranty details, technical support, or service inquiries, please refer to the product packaging or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.