

Baomain CN101A

Baomain CN101A Digital LCD Programmable Timer Switch Instruction Manual

MODEL: CN101A

Brand: Baomain

1. PRODUCT OVERVIEW

The Baomain CN101A is a digital LCD programmable timer switch designed for controlling electrical equipment with precise daily and weekly schedules. It features a 110V AC input and a 200-250V 16A output, making it suitable for various applications including lighting and equipment control. The timer offers dual-mode programmable control with up to 28 on/off settings, alongside instant manual control for flexibility. Its user-friendly backlit LCD interface ensures easy programming and real-time status viewing. An integrated lithium battery provides backup, preserving schedules and allowing setup even during power outages.

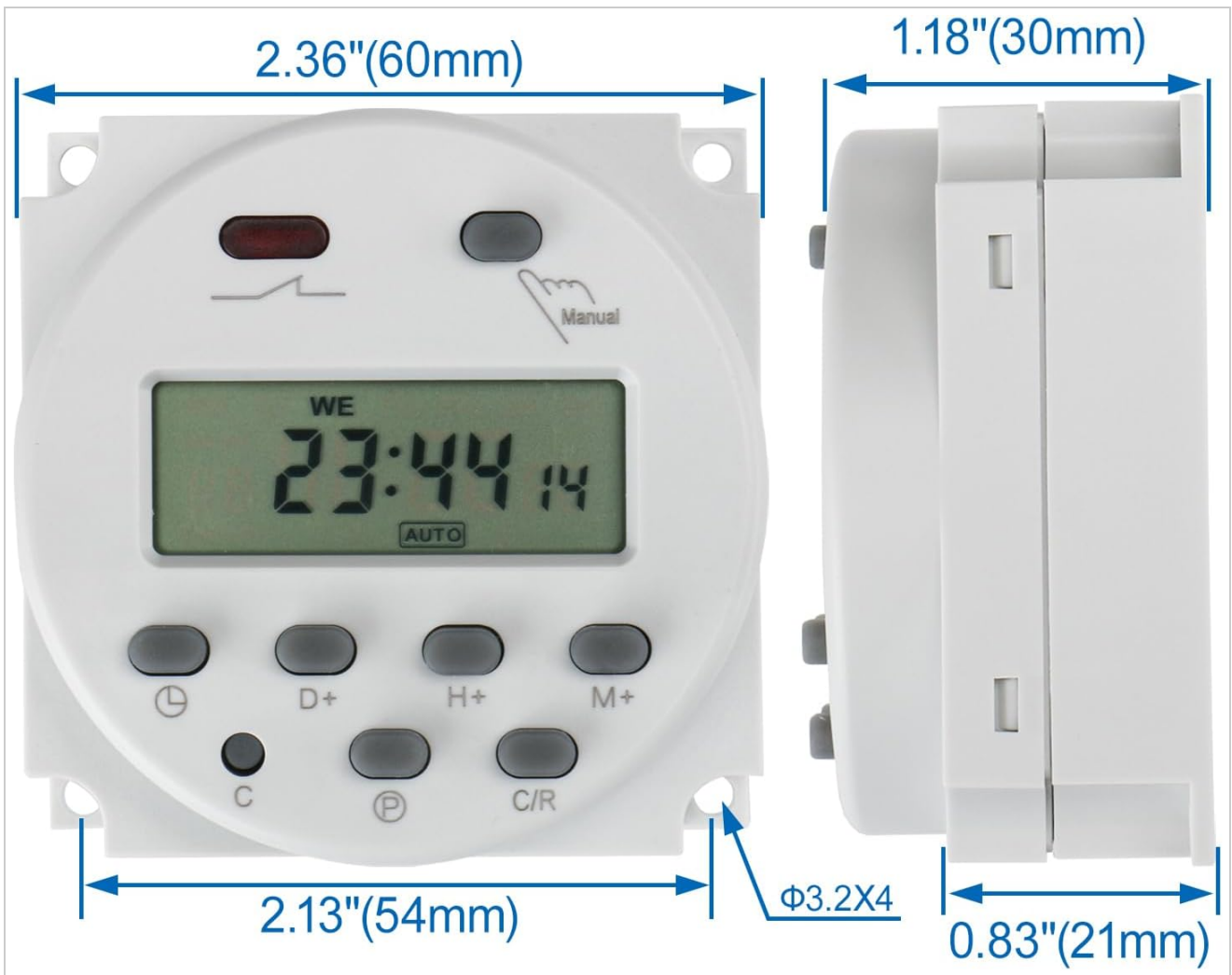


Figure 1: Front view of the Baomain CN101A Digital LCD Programmable Timer Switch, showing the LCD display and control buttons.

2. SPECIFICATIONS

Feature	Specification
Input Voltage	110V AC
Output Voltage	200-250V AC
Output Current	16A
Frequency	50/60Hz
Programs	28 On/Off settings (Daily/Weekly)
Material	Plastic
Dimensions (D x W x H)	1.26" x 2.36" x 2.36" (32mm x 60mm x 60mm)
Item Weight	62 Grams
Mounting	Panel-mount with $\Phi 3.2$ mm holes
Battery Backup	Integrated lithium battery for program memory

■ **Operating Instruction:**

1. **To start switch:** press reset Key, At the first time, if you want to the present time, please press “⊕” On board, then press D+, H+, M+ to adjust the number to the present time.
2. **Enter into programming as follows:**

1	Ⓟ	TIMER	5	Ⓛ	CLOCK
2	D+	DAY	6	C	RESET
3	H+	HOUR	7	MANUAL	MANUAL C/R
4	M+	MIN	8	C/R	Cancel / recovery

If you do not require 28 settings, press “⊕” to the end.

■ **Special Button Functions:**

1. **Clock** button: Continue press 4 times < **CLOCK** > button, **LCD** screen indicate/show “🔒” means all Buttons locked, re-press 4 times again unlocked.
2. **C/R** button: Press and hold 5 seconds, **LCD** display will flash, means Restore factory setting.
3. **Manual** Button: Press and hold 5 seconds, the **LCD** screen will turn off, means timer turned off;

If you want turn on again, please follow same” Press and hold 5 seconds” ,then the **LCD** screen turn on again.
The setting data not lose when **LCD** screen ON & OFF.

- If there is setting mistakes/errors, the **LCD** will show the following code:

E1: doesn’ t set the start time.
E2: doesn’ t set the end time.



Figure 2: Detailed dimensions of the timer switch for installation planning.

3. PACKAGE CONTENTS

The package typically includes the Baomain CN101A Digital LCD Programmable Timer Switch and a basic instruction sheet. Please verify all components upon receipt.

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Video 1: An overview of the Baomain CN101A timer switch, demonstrating its physical appearance and basic handling. This video can assist in identifying the product and its components.

4. WIRING DIAGRAM AND INSTALLATION

Proper wiring is essential for safe and correct operation. The timer features a 4-pin configuration compatible with 1/4" female connectors. It is designed for secure installation in panels with $\Phi 3.2\text{mm}$ (approx. 1/8") mounting holes. Refer to the diagram below for connection details.



LCD Programmable Timer Switch

Supports 28-times Daily Weekly Program





-  Intelligent Chip
-  LCD Display
-  Accurate Timing
-  Built-in Battery
-  Power-off Memory

Figure 3: Wiring diagram showing connections for power input (110V AC) and output (200-250V AC) to the device. Terminals 1 and 2 are for power input, while terminals 4 and 5 are for the switched output to the device. Terminal 3 is not used for this configuration.

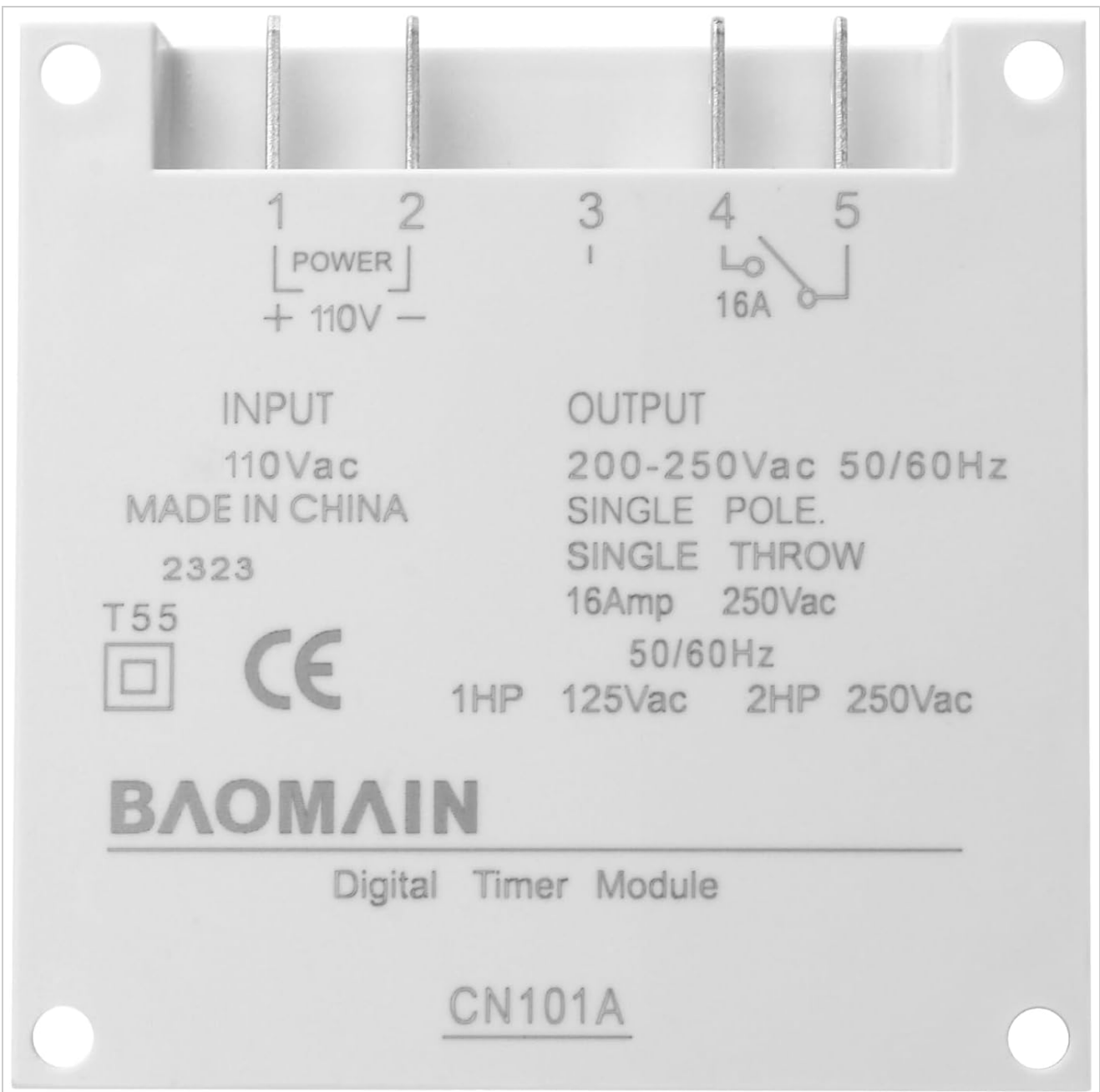


Figure 4: Rear view of the timer switch, illustrating the input and output terminals for electrical connections.

5. OPERATING INSTRUCTIONS

5.1 Setting the Current Time

1. Press the **Clock** button (🕒) to enter time setting mode.
2. Use the **D+** button to adjust the day of the week (MO, TU, WE, TH, FR, SA, SU).
3. Use the **H+** button to adjust the hour (1-24 hours).
4. Use the **M+** button to adjust the minutes (1-60 minutes).
5. Press the **Clock** button again to save the current time and exit time setting mode.

5.2 Programming ON/OFF Schedules

The timer supports up to 28 ON/OFF programs. Follow these steps to set your desired schedules:

1. Press the **P** button to enter programming mode. The display will show "1 ON".

2. Use **D+**, **H+**, **M+** buttons to set the desired ON time (day, hour, minute) for the first program.
3. Press the **P** button again. The display will show "1 OFF".
4. Use **D+**, **H+**, **M+** buttons to set the desired OFF time (day, hour, minute) for the first program.
5. Repeat steps 2-4 for additional ON/OFF programs (up to 28).
6. After setting all desired programs, press the **Clock** button (🕒) to exit programming mode and save settings.

If you do not require all 28 settings, simply press the **Clock** button to end programming after setting your last desired program.



Figure 5: Visual guide for setting the current time and programming ON/OFF schedules using the timer's buttons.

6. SPECIAL BUTTON FUNCTIONS

- **Clock Button (🕒):** Press and hold for 4 seconds to lock all buttons. The LCD screen will display "a" to indicate locked status. Press and hold for 4 seconds again to unlock.
- **C/R Button:** Press and hold for 5 seconds. The LCD display will flash, indicating a factory reset has been performed.
- **Manual Button:** Press and hold for 5 seconds. The LCD screen will turn off, meaning the timer is turned off. To turn it back on, press and hold for 5 seconds again. The setting data will not be lost when the LCD screen is turned ON or OFF using this function.

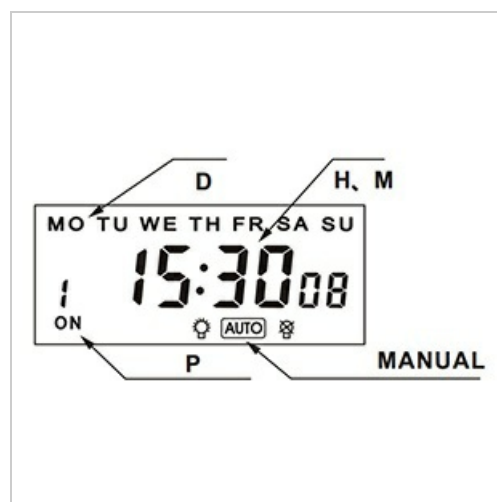


Figure 6: Overview of the special functions for the Clock, C/R, and Manual buttons.

7. TROUBLESHOOTING (Q&A)

- **Q: The display screen of the Time Switch can't turn on?**

A: Please press the 'Manual' key for 5 seconds. If you received a power-off switch, or please charge it for 10 minutes.

- **Q: The Timer Switch does not energize when the Proper Voltage is applied.**

A: Please check the wiring if correct according to the instruction type A, and Correct Input Voltage.

- **Q: Is it for DC input and DC output?**

A: No, the CN101A series is for DC/AC 12V Input, AC 220V Output. Please choose CN101C Series, for Input or Output AC/DC 12V.

- **Q: Can the built-in battery be rechargeable or replaced?**

A: It's a CR2032 lithium button battery which can't be recharged, but you can open and replace it. The battery is for the program's power-off memory, not for powering the switch for control.



Figure 7: Common questions and answers regarding the operation and maintenance of the timer switch.

8. MAINTENANCE

The Baomain CN101A Digital LCD Programmable Timer Switch requires minimal maintenance. Keep the device clean and free from dust and moisture. Do not attempt to open the casing beyond replacing the battery as described in the troubleshooting section, as there are no other user-serviceable parts. Ensure the operating environment is within the specified temperature and humidity ranges to prolong the device's lifespan.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact Baomain customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.