Sinotimer TM618N-2

Sinotimer Digital Programmable Timer TM618N-2 User Manual

Model: TM618N-2

1. PRODUCT OVERVIEW

The Sinotimer TM618N-2 is a versatile 7-day weekly digital programmable timer designed for automated control of electrical equipment. It allows users to set specific daily or weekly schedules for turning devices on and off, ensuring efficient energy management and convenience. This timer is suitable for a wide range of applications, including controlling lighting, heating, ventilation, and other electrical appliances.

Figure 1: Front view of the Sinotimer TM618N-2 Digital Timer, showing the display and control buttons.

2. KEY FEATURES

- **Weekly Programmable:** Allows up to 16 ON/OFF programs per day or week.
- **Multi-functional:** Includes Clock display, Timer, Countdown, Automatic weekly time deviation correction, and Sleep mode.
- **High Capacity:** Supports 16 Amp / 220 Volt AC loads.
- **Wide Voltage Compatibility:** Operates with 220V, 230V, 240V AC.
- **Built-in Battery:** Retains settings during power outages (Lithium battery type).
- **Versatile Applications:** Ideal for controlling dryers, defrosting equipment, swimming pool pumps, gates, lighting, and more.

3. SPECIFICATIONS

Feature	Detail

Feature	Detail
Model	TM618N-2
Brand	Sinotimer
Voltage	220V / 230V / 240V AC
Current Rating	16 Amp
Number of Programs	16 ON/OFF programs
Material	Plastic
Battery Type	Lithium (internal, non-replaceable by user)
Color	Multi-color (typically white/grey)

4. INSTALLATION

Important Safety Notice: Installation should only be performed by a qualified electrician. Ensure power is disconnected before attempting any wiring.

1. **Mounting:** The TM618N-2 is designed for DIN rail mounting or screw mounting. Secure the timer in a suitable electrical enclosure.
2. **Wiring:** Refer to the wiring diagram on the back of the unit.

Figure 2: Back view of the Sinotimer TM618N-2, showing input/output terminals and wiring diagram.

- **Input (Terminals 1 & 2):** Connect your 200-250VAC power supply to these terminals.
- **Output (Terminals 3, 4, & 5):**

  - Terminal 3: Common (COM)
  - Terminal 4: Normally Open (NO) - Connect your load here for switched power.
  - Terminal 5: Normally Closed (NC) - (Less commonly used for timer applications, but available).

3. **Power On:** Once wiring is complete and secure, restore power to the circuit. The timer display should illuminate.
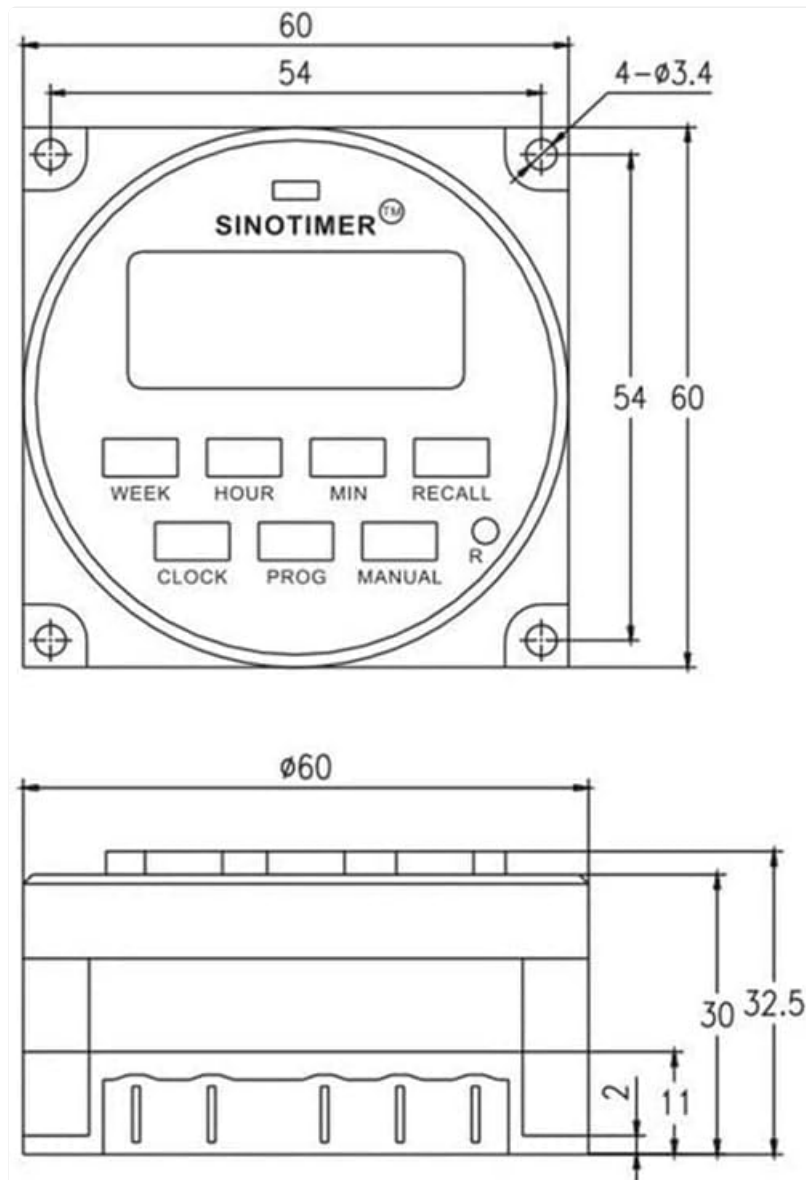

Figure 3: Technical drawing showing the dimensions of the Sinotimer TM618N-2 timer.

5. OPERATING INSTRUCTIONS

5.1. Button Functions

- **CLOCK:** Used to set the current time and day.
- **PROG:** Enters/exits programming mode for ON/OFF schedules.
- **WEEK:** Selects the day(s) of the week during time or program setting.
- **HOUR:** Adjusts the hour during time or program setting.
- **MIN:** Adjusts the minute during time or program setting.
- **RECALL:** Recalls or cancels a program setting.

- **MANUAL:** Manually overrides the timer's current state (ON/AUTO/OFF).
- **R (Reset):** Small button (requires a pointed object) to reset the timer to factory defaults.

5.2. Setting Current Time and Day

1. Press and hold the **CLOCK** button.
2. While holding **CLOCK**, press **WEEK** to set the current day (MO, TU, WE, TH, FR, SA, SU).
3. While holding **CLOCK**, press **HOUR** to set the current hour.
4. While holding **CLOCK**, press **MIN** to set the current minute.
5. Release the **CLOCK** button to save the settings.

5.3. Programming ON/OFF Schedules

The timer supports up to 16 ON and 16 OFF programs. Each program can be set for a specific day or group of days.

1. Press the **PROG** button once. The display will show "1 ON".
2. Press **WEEK** repeatedly to select the desired day(s) for this program (e.g., MO, TU, WE, TH, FR, SA, SU; MO-FR; SA-SU; MO-SA; etc.).
3. Press **HOUR** to set the desired ON hour.
4. Press **MIN** to set the desired ON minute.
5. Press **PROG** again. The display will show "1 OFF".
6. Repeat steps 2-4 to set the desired OFF time for the first program.
7. Press **PROG** to move to the next program ("2 ON", "2 OFF", etc.) and repeat the process for up to 16 programs.
8. To exit programming mode and save settings, press the **CLOCK** button.

5.4. Manual Override

Press the **MANUAL** button to cycle through the output modes:

- **ON:** Output is continuously ON, ignoring programs.
- **AUTO:** Output follows the programmed schedules.
- **OFF:** Output is continuously OFF, ignoring programs.

Ensure the timer is in **AUTO** mode for programmed operation.

5.5. Resetting the Timer

To clear all settings and return the timer to its factory default state, insert a pointed object (like a paperclip) into the small **R** (Reset) hole and press gently.

6. MAINTENANCE

The Sinotimer TM618N-2 requires minimal maintenance.

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not use abrasive cleaners or solvents.
- Ensure the timer is installed in a dry environment, away from direct moisture or extreme temperatures.
- The internal battery is designed for long life and is not user-replaceable. If the display goes blank or settings are not retained after a power outage, the battery may need professional service.

7. TROUBLESHOOTING

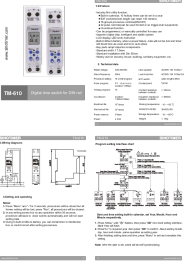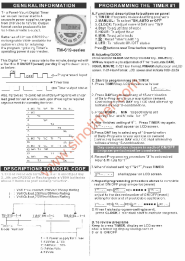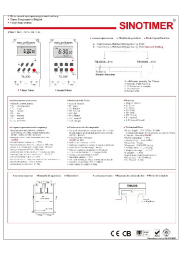| Problem	Possible Cause	Solution
Display is blank.	No power supply; internal battery depleted.	Check power connections. If power is present, the internal battery may need charging (leave connected to power for several hours) or replacement (professional service required).
Timer not switching ON/OFF as programmed.	Timer is not in AUTO mode; incorrect program settings; wiring issue.	Press **MANUAL** until "AUTO" is displayed. Review and correct program settings. Verify wiring connections.
Settings are lost after power outage.	Internal battery is depleted or faulty.	Leave the timer connected to power for at least 4 hours to charge the internal battery. If the problem persists, the battery may need replacement (professional service recommended).
Buttons are unresponsive.	Temporary software glitch; unit needs reset.	Perform a full reset using the **R** button. If the issue continues, contact support.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

Manufacturer: Sinotimer

Related Documents - TM618N-2

[Sinotimer TM-616 Weekly Programmable Timer - Specifications and Operation](#)
Detailed information on the Sinotimer TM-616 weekly programmable timer, including specifications, button functions, dimensions, wiring diagrams, and product lineup. Features 7-day programming and 30A switching capacity.

[Sinotimer TM-618 7-Day Electronic Timer Instruction Manual](#)
Comprehensive instruction manual for the Sinotimer TM-618 7-Day Electronic Timer, detailing features, programming, manual operation, and safety warnings.

[SINOTIMER TM-610 Digital Time Switch for DIN Rail - User Manual and Specifications](#)
Detailed specifications, wiring diagrams, and operating instructions for the SINOTIMER TM-610 digital time switch, designed for DIN rail mounting.

[Sinotimer TM-619 Series Digital Programmable Timer - User Manual](#)
Comprehensive guide to programming and installing the Sinotimer TM-619 series digital panel-mount timers, including model details, override functions, and wiring instructions.

[SINOTIMER TM-630A/TM-630S Digital Timer: Features and Specifications](#)
Detailed technical specifications and features for the SINOTIMER TM-630A and TM-630S digital programmable timers, including power supply, timing range, dimensions, and wiring.

[SINOTIMER TM920 Series 3-in-1 Programmable Timer Switch User Manual](#)
Comprehensive user manual for the SINOTIMER TM920 Series 3-in-1 programmable timer switch, featuring 7-day programming, pulse, and countdown functions. Learn how to set date, time, control modes, and holiday settings.