Sinotimer TM618N-2

SINOTIMER TM618 -7 Days Programmable Weekly Timer Module

INSTRUCTION MANUAL

Model: TM618N-2

1. OVERVIEW

The SINOTIMER TM618 timer module is designed to automatically control the power supply to various electrical apparatus, such as streetlights, neon signs, billboards, and other appliances, based on a preset time schedule. This digital timer switch features a rechargeable internal battery to maintain program settings during power outages.

Figure 1.1: Front view of the TM618 Timer Module.

2. KEY FEATURES

- Compact and space-saving design.
- Engineered with advanced digital timing technology.
- High functionality for precise time control.
- Built-in rechargeable battery for program retention.
- Multiple ON/OFF programs for weekly scheduling.

3. SETUP AND INSTALLATION

3.1. Wiring Diagram

Proper wiring is crucial for the safe and correct operation of the TM618 timer module. Refer to the diagram below for connection details. Ensure power is disconnected before performing any wiring.

Figure 3.1: Wiring Terminals and Specifications.

- **Input (200-250VAC):** Connect your main power supply to terminals 1 and 2.
- **Output (16 AMP / 250VAC, 20 AMP @30 VDC):** Terminals 3, 4, and 5 are for the controlled output. Terminal 3 is common, Terminal 4 is normally open (NO), and Terminal 5 is normally closed (NC). Connect your load to the appropriate terminals based on your application (e.g., between 3 and 4 for normally off, turning on when timed).

3.2. Initial Power-Up and Battery

Upon initial power-up, the timer's internal rechargeable battery (40mAh) will begin charging. This battery saves your programmed settings during power interruptions. Allow the unit to be powered for at least 30 minutes for the battery to gain sufficient charge before programming or disconnecting power.
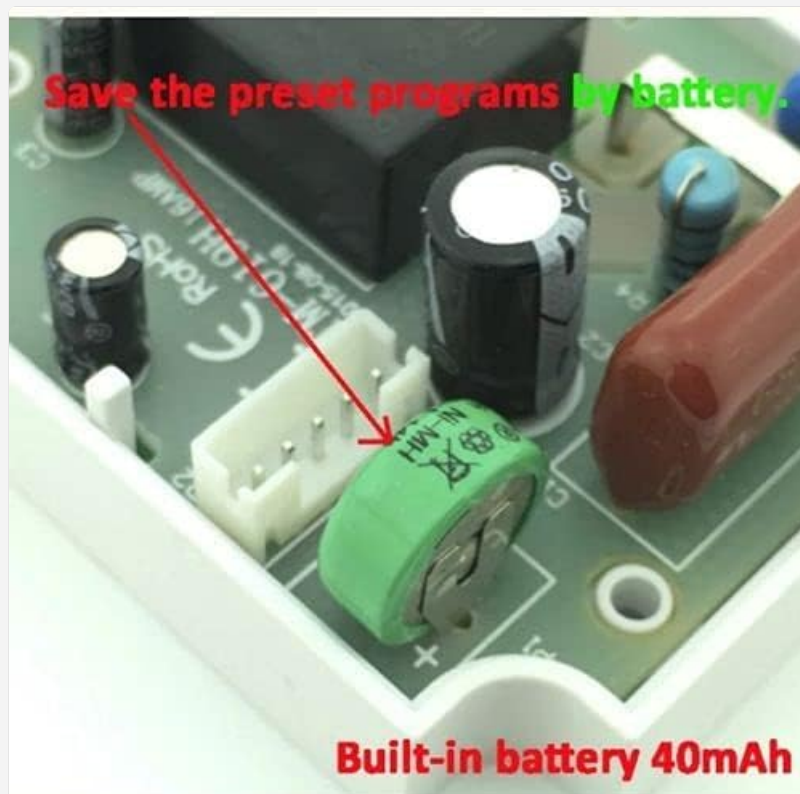
Figure 3.2: Internal 40mAh Rechargeable Battery.

Figure 3.3: TM618 Operating Voltage (220V AC shown).

4. OPERATING INSTRUCTIONS

The TM618 timer allows for precise control with up to 16 ON/OFF programs per day or week. The buttons on the front panel are used for setting the time and programs.

Figure 4.1: Timer Module with Manual.

4.1. Setting Current Time

1. Press the **CLOCK** button and hold it.
2. While holding **CLOCK**, press **WEEK** to set the current day of the week.
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. The time is now set.

4.2. Programming ON/OFF Times

The timer supports up to 16 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the **PROG** button once. The display will show "1 ON".
2. Press **WEEK** to select the day(s) for this program (e.g., MO, TU, WE, TH, FR, SA, SU, or combinations like 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 day(s), hour, and minute for this program.
7. Press **PROG** to advance to the next program ("2 ON") or to exit programming mode if no more programs are needed.
8. To clear a program, press **RECALL** while viewing the specific ON or OFF program you wish to clear.

4.3. Manual Override

Press the **MANUAL** button to cycle through different operating modes:

- **AUTO ON:** The timer is currently ON and will follow the programmed schedule.
- **AUTO OFF:** The timer is currently OFF and will follow the programmed schedule.
- **ON:** The timer is forced ON, overriding any programs.
- **OFF:** The timer is forced OFF, overriding any programs.

4.4. Recall Function

The **RECALL** button (often marked 'R' or 'RESET') is used to clear specific program settings or to reset the timer. A small pinhole button (R) is typically used for a full reset, which clears all programs and resets the time.

5. MAINTENANCE

5.1. Battery Care

The TM618 features a built-in rechargeable battery. To ensure its longevity and proper function, keep the timer connected to power for regular charging. If the timer is stored for extended periods without power, the battery may discharge, requiring a full charge upon reconnection.

5.2. Cleaning

Clean the exterior of the timer module with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic casing or display. Ensure no liquids enter the device.

6. TROUBLESHOOTING

- **Display is blank:** Check power connections. Ensure the unit has been powered for at least 30 minutes to charge the internal battery.
- **Programs not executing:** Verify that the current time is set correctly. Check that the timer is in "AUTO ON" or "AUTO OFF" mode, not forced ON/OFF. Review your programmed ON/OFF times for accuracy.
- **Timer not responding to buttons:** Perform a full reset using the small 'R' pinhole button. If issues persist, ensure proper power supply.

7. SPECIFICATIONS

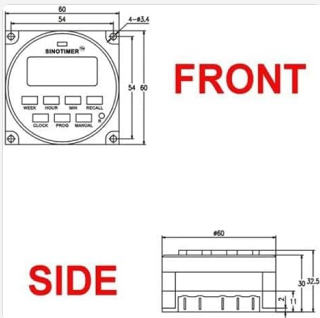| Attribute	Value
Brand Name	Sinotimer
Model Number	TM618N-2 (Item model number: WN-5KCF-8SVQ)
Input Voltage	200-250VAC
Output Capacity	16 AMP / 250VAC, 20 AMP @30 VDC
Number of Programs	16 ON/OFF programs
Timing Range	1 minute to 168 hours (7 days)
Internal Battery	40mAh rechargeable
Material	Plastic
Color	White
Product Dimensions	25 x 18 x 8 cm; 11 g

7.1. Dimensions
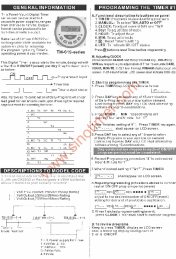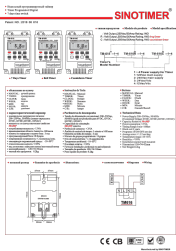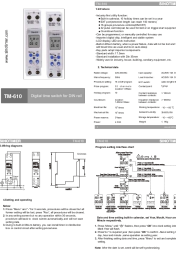

Figure 7.1: Front Dimensions.
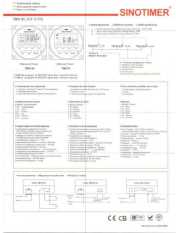

Figure 7.2: Side Dimensions.

8. WARRANTY AND SUPPORT

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

Related Documents - TM618N-2

	[SINOTIMER TM618s Digital Programmable Timer - User Manual and Specifications](#) Comprehensive guide to the SINOTIMER TM618s digital programmable timer, covering features, specifications, programming, wiring, and installation. Ideal for controlling electrical devices with daily ON/OFF schedules.
	[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-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.
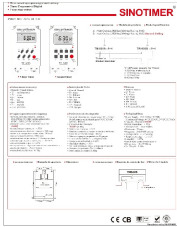
[SINOTIMER TM-630A/TM-630S Digital Timer: Features and Specifications](#)

Detailed technical specifications and features for the SINOTIMER TM-630A and TM-630S digital programmable timers, including power supply, timing range, dimensions, and wiring.