SINOTIMER TM617

TM617 Digital Time Switch User Manual

Model: TM617 | Brand: SINOTIMER

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of the SINOTIMER TM617 Digital Time Switch. The TM617 is a weekly programmable electronic timer designed for controlling electrical appliances with precision, offering a large LCD display for clear visibility.

Please read this manual thoroughly before using the device to ensure proper function and safety.

Figure 1: Front view of the TM617 Digital Time Switch.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance to prevent electric shock.

- This device should be installed by a qualified electrician in accordance with local electrical codes.

- Do not expose the device to moisture, extreme temperatures, or corrosive environments.

- Do not disassemble or modify the device. Any unauthorized modifications will void the warranty.

- Verify the voltage rating of the device (110V/220V) matches your power supply before connection.

3. PRODUCT FEATURES

- Large LCD display for clear and easy reading.

- Weekly programmable with up to 16 ON/OFF settings per day.

- Built-in rechargeable battery for memory backup when power is off.

- High accuracy and strong anti-interference capability.

- Manual override function.

- Suitable for controlling street lights, neon lights, advertising signs, production equipment, broadcast television, and other power loads.

4. PACKAGE CONTENTS

Please check the package contents upon opening:

- 1 x SINOTIMER TM617 Digital Time Switch

- 1 x User Manual (this document)

- Mounting Screws (if included with your specific model)

Figure 2: TM617 with protective cover open and mounting screws.

5. SETUP AND INSTALLATION

5.1 Mounting

The TM617 can be mounted on a wall or panel. Ensure a stable surface and adequate ventilation. Refer to the dimensional diagram for precise measurements.
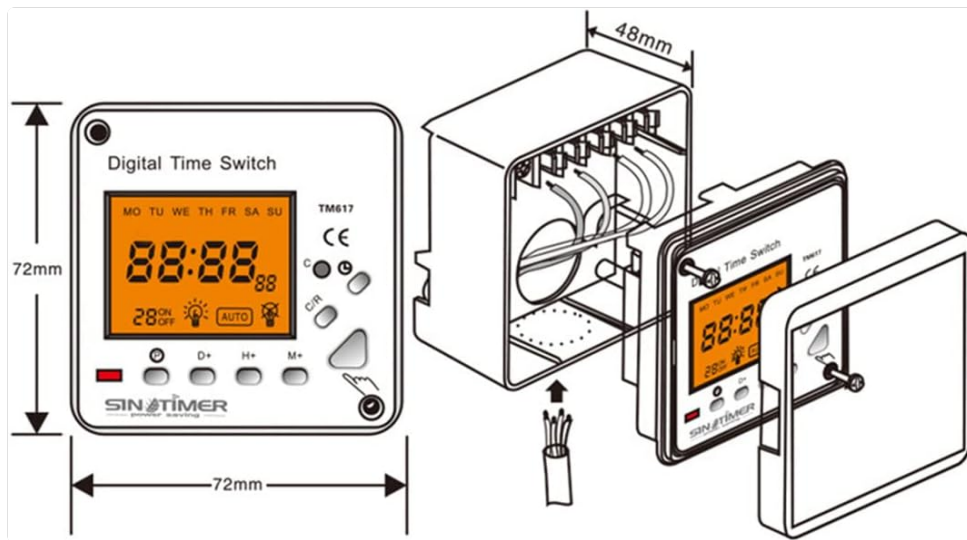
Figure 3: TM617 Dimensional and Installation Diagram.

5.2 Wiring Diagram

Connect the power supply and load according to the wiring diagram provided on the device or in the detailed product specifications. Ensure all connections are secure and insulated. Incorrect wiring can damage the device or cause electrical hazards.

- **Input Power:** Connect the 110V/220V AC power supply to the designated input terminals.
- **Load Output:** Connect the appliance or load to be controlled to the output terminals.

Note: The internal battery charges when the device is connected to power. Allow several hours for the battery to fully charge before initial programming if the device has been stored for a long period.

6. OPERATING INSTRUCTIONS

6.1 Button Functions

- **P (Program):** Enters or exits programming mode.
- **D+ (Day):** Adjusts day of the week in setting mode; selects day in program mode.
- **H+ (Hour):** Adjusts hour in setting mode; selects hour in program mode.
- **M+ (Minute):** Adjusts minute in setting mode; selects minute in program mode.
- **C/R (Cancel/Recall):** Resets current setting; recalls programs.
- **Clock Icon (Set Time):** Press to enter time setting mode.
- **Manual Override Button (Hand Icon):** Toggles between ON/AUTO/OFF modes.

Figure 4: TM617 Buttons and Display.

6.2 Setting Current Time and Day

1. Press and hold the **Clock Icon** button.

2. While holding the **Clock Icon**, press **D+** to set the current day of the week (MO, TU, WE, TH, FR, SA, SU).

3. While holding the **Clock Icon**, press **H+** to set the current hour.

4. While holding the **Clock Icon**, press **M+** to set the current minute.

5. Release the **Clock Icon** button to save the settings.

6.3 Programming ON/OFF Cycles

The TM617 supports up to 16 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the **P** button once. The display will show "1 ON".

2. Press **D+** to select the day(s) for the first ON program (e.g., MO, TU, WE, TH, FR, SA, SU, or specific combinations).

3. Press **H+** to set the hour for the first ON program.

4. Press **M+** to set the minute for the first ON program.

5. Press the **P** button again. The display will show "1 OFF".

6. Repeat steps 2-4 to set the day(s), hour, and minute for the first OFF program.

7. Continue pressing **P** to cycle through "2 ON", "2 OFF", up to "16 ON", "16 OFF", setting each program as needed.

8. After setting all desired programs, press the **Clock Icon** button to exit programming mode and return to the current time display.

*To clear a specific program, press **C/R** when that program is displayed in programming mode.*

6.4 Manual Override

The manual override button (hand icon) allows you to temporarily or permanently change the output state without affecting programmed settings.

- Press the **Manual Override** button to cycle through modes:

  - **ON:** Output is continuously ON, ignoring programs.
  - **AUTO:** Output follows programmed ON/OFF cycles.
  - **OFF:** Output is continuously OFF, ignoring programs.

- Select **AUTO** for normal operation based on your programmed schedule.

7. MAINTENANCE

- Clean the device regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- Ensure the device is kept free from dust and debris to maintain proper ventilation.

- The internal battery is designed for long life and typically does not require replacement. If the display becomes dim or settings are lost frequently, the battery may need servicing by a qualified technician.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank.	No power supply; internal battery discharged.	Check power connection. Allow device to charge for several hours.
Programs not executing.	Device is in ON or OFF manual override mode; incorrect programming.	Set device to AUTO mode using the manual override button. Recheck programmed ON/OFF times.
Time is incorrect.	Time not set correctly; internal battery low.	Reset current time and day. Ensure device is powered to charge internal battery.
Device not responding to buttons.	Temporary software glitch.	Press the C/R button to reset. If issue persists, disconnect power for a few minutes and reconnect.

9. SPECIFICATIONS

Model	TM617
Voltage	110V/220V AC (Auto-sensing)
Frequency	50/60Hz
Output Control	16A (Resistive Load)
Programs	16 ON/OFF per day or week
Minimum Interval	1 minute
Time Error	1s/24h (25°C)

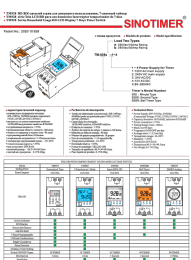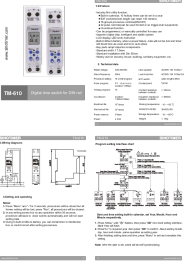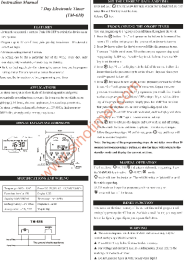| Display	LCD
Power Consumption	<1W
Operating Temperature	-20°C to +55°C
Dimensions	72mm x 72mm x 48mm (approx.)
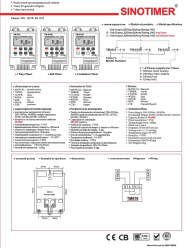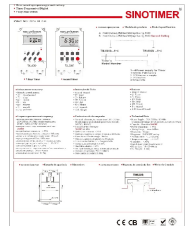
10. WARRANTY AND SUPPORT

SINOTIMER products are manufactured to high quality standards. For warranty information, technical support, or service inquiries, please contact your original retailer or the SINOTIMER customer service department. Please have your product model number (TM617) and purchase date available when contacting support.

For the most up-to-date information, please visit the official SINOTIMER website or refer to the product packaging.

Related Documents - TM617

[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-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 TM928 Series HD LCD Digital Timer Switch - User Manual and Specifications](#)
Comprehensive guide to the SINOTIMER TM928 series digital timer switches, covering features, specifications, setup, and wiring for models like TM919, TM920, TM928, TM928S, TM928R, and TM929.

	[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-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 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.