RWRAPS TM618H

RWRAPS TM618H Digital 7-Day Programmable Timer Switch Instruction Manual

Model: TM618H

Introduction

The RWRAPS TM618H is a versatile digital programmable timer switch designed to automate the control of various electrical equipment. This device allows you to set precise ON/OFF schedules over a 7-day period, enhancing convenience and energy efficiency. It features a clear LCD display, user-friendly programming buttons, and a built-in battery for memory backup during power outages.

Key Features:

- Up to 16 ON/OFF programs per day, with 15 weekly combinations.
- 24-hour / 7-day programmable operation.
- Integrated battery for program memory retention during power loss.
- Automatic time error correction (±30 seconds weekly).
- Manual ON/OFF control option.
- Clear LCD display with LED indicators.
- High accuracy with less than 1 second error per day.
- Clock correction/calibration function and keyboard lock.

Safety Information

Please read all instructions carefully before installation and operation. Improper installation or use can lead to electrical shock or damage to the device. Ensure power is disconnected before any wiring procedures. This device should be installed by a qualified electrician if you are unsure about electrical wiring.

Product Overview



Figure 1: Front view of the RWRAPS TM618H Digital Timer Switch, showing the LCD display and control buttons.

The TM618H timer switch features a clear LCD display for time and program status, along with several buttons for setting the clock, programming schedules, and manual control. The compact design allows for easy integration into various electrical setups.

Setup and Installation

Wiring Instructions:

The TM618H timer switch requires careful wiring to ensure proper function and safety. Refer to the wiring diagram below and ensure all connections are secure.



Figure 2: Side view of the TM618H timer switch, highlighting the output voltage and easy wiring terminals.

1. **Disconnect Power:** Before beginning any wiring, ensure the main power supply to the circuit is turned off at the breaker.
2. **Identify Terminals:** The timer switch has input terminals for power supply and output terminals for the controlled device. Refer to the diagram on the unit for specific labeling.
3. **Connect Power Input:** Connect the appropriate voltage (12V, 24V, 110V, or 220V AC/DC depending on your model) to the input terminals.
4. **Connect Load Output:** Connect the electrical equipment you wish to control to the output terminals of the timer switch.
5. **Secure Connections:** Ensure all wire connections are tight and properly insulated.
6. **Mounting:** Mount the timer switch securely in a suitable enclosure or panel.
7. **Restore Power:** Once all wiring is complete and checked, restore power to the circuit.

Initial Power-On:

Upon initial power-on or after a prolonged power outage, the display may be blank. Press the 'R' (Reset) button with a pointed object (like a pen tip) to initialize the unit. The display should then show the current time (usually 00:00) and day.

Operation and Programming

The TM618H allows for precise control over your electrical devices. Familiarize yourself with the buttons:



Figure 3: Angled view of the TM618H timer switch, displaying the 'WEEK', 'HOUR', 'MIN', 'RECALL', 'CLOCK', 'PROG', and 'MANUAL' buttons.

CLOCK: Used to set the current time and day.

PROG: Enters/exits programming mode and cycles through program settings.

WEEK: In clock mode, sets the current day. In program mode, selects days for the program.

HOUR: Sets the hour.

MIN: Sets the minute.

MANUAL: Toggles between ON, AUTO, and OFF modes.

RECALL: Used to clear or recall program settings.

R (Reset): Resets the unit to factory defaults (requires a pointed object).

Setting the 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 (24-hour format).
4. While holding **CLOCK**, press **MIN** to set the current minute.
5. Release the **CLOCK** button to save the settings.

Programming ON/OFF Schedules:

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

1. Press the **PROG** button once. The display will show "1 ON".
2. Press **WEEK** to select the desired day(s) for this program. Options include individual days, weekdays, weekends, or all 7 days.
3. Press **HOUR** to set the ON hour.
4. Press **MIN** to set the ON minute.
5. Press **PROG** again. The display will show "1 OFF".
6. Repeat steps 2-4 to set the OFF time for the first program.
7. Continue pressing **PROG** to cycle through "2 ON", "2 OFF", up to "16 ON", "16 OFF". Repeat steps 2-6 for each desired program.
8. To exit programming mode, press the **CLOCK** button.

Manual Control:

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

- **ON:** The output is continuously ON, overriding all programs.
- **AUTO:** The output operates according to the programmed schedules.
- **OFF:** The output is continuously OFF, overriding all programs.

Ensure the timer is in **AUTO** mode for programmed schedules to function.

Keyboard Lock:

To prevent accidental changes, the keyboard can be locked. Press and hold the **CLOCK** button for approximately 3 seconds until a lock icon appears on the display. To unlock, press and hold **CLOCK** again for 3 seconds.

Maintenance

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Environment:** Ensure the timer is installed in a dry environment, away from direct sunlight, extreme temperatures (-20°C to +50°C operating range), and corrosive substances.
- **Battery:** The internal rechargeable battery maintains program memory during power outages. It is designed for long-term use and typically does not require replacement.

Troubleshooting

Problem	Possible Cause	Solution
Display is blank.	No power supply or unit needs reset.	Check power connections. Press the 'R' (Reset) button with a pointed object.
Programs are not running.	Timer is not in AUTO mode or programs are incorrect.	Press 'MANUAL' until "AUTO" is displayed. Recheck program settings.
Time is inaccurate.	Initial time setting error or minor drift.	Reset the current time and day. The unit has auto time error correction (±30 sec/week).
Buttons are unresponsive.	Keyboard is locked.	Press and hold the 'CLOCK' button for 3 seconds to unlock the keyboard.

Problem	Possible Cause	Solution
Programs lost after power outage.	Internal battery may be depleted or faulty.	The built-in battery should retain memory for up to 60 days. If programs are consistently lost, contact support.

Technical Specifications

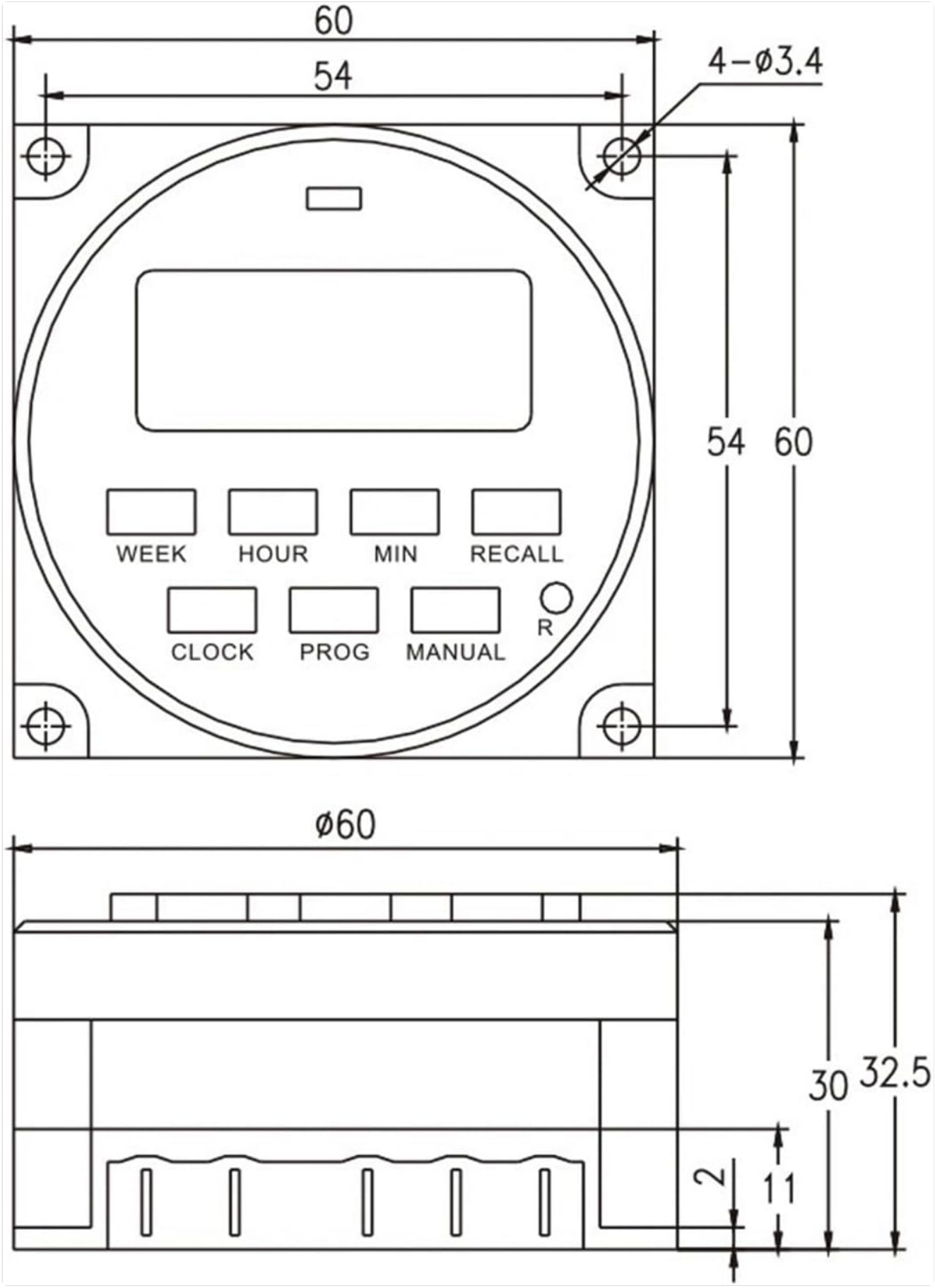


Figure 4: Dimensional drawing of the TM618H timer switch, showing key measurements in millimeters.

Feature	Detail
Model	TM618H

Feature	Detail
Operating Voltage	Available in 12V DC, 24V DC, 110V AC, 220V AC (specific to ordered model)
Temperature Range	-20°C to +50°C
Power Consumption	4.5 VA (MAX)
Display	LCD
Output	Voltage output
Programs	16 ON/OFF settings per day or week
Hysteresis	2 sec/day (at 25°C)
Minimum Interval	1 minute
Capacity	16(8)A 250V AC
Black-out Memory	Up to 60 days (via built-in 1.2V 40Ma rechargeable battery)
Timer Range	1 minute to 168 hours
Average Error	±1 second / 24 hours (at 25°C)
Item Weight	2.82 ounces (approx. 0.08 kg)
Package Dimensions	1.18 x 0.79 x 0.39 inches

Warranty Information

This product is sold without an explicit manufacturer's warranty as per available information. Please refer to the retailer's return policy for details on returns or exchanges, which typically allows for returns within 30 days of purchase.

Customer Support

For technical assistance or inquiries regarding the RWRAPS TM618H Digital Timer Switch, please contact your point of purchase or refer to the seller's support channels. Ensure you have your product model number (TM618H) and purchase details available when seeking support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question