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Fafeicy Fafeicyds0gicyutr

Fafeicy TM624 Digital Timer Switch User Manual

Model: TM624 (Fafeicyds0gicyutr)

Product Overview

The Fafeicy TM624 Digital Timer Switch is a versatile time-controlled device designed for automated power management. It features a large 1.6-inch display and supports up to 40 groups of time settings, making it suitable for a wide range of applications requiring regular on/off cycles.



Image: Side view of the TM624 Digital Timer Switch, showing its compact design and mounting points.



Image: Front view of the TM624 Digital Timer Switch, highlighting the 1.6-inch display and control buttons.

This timer switch is engineered for durability, boasting an electrical life of no less than 10,000 operations, ensuring long-term reliability for your automated systems.



Image: Angled view of the TM624 Digital Timer Switch, showing the terminal connections and overall robust construction.

Specifications

Feature	Detail
Item Type	Timer Switch
Model	TM624
Power Supply Voltage	50Hz AC220V
Conventional Thermal Current (Ith)	16A
Rated Working Current (Ie)	AC-15 220V 3A
Timing Error	No more than 1s / day

Feature	Detail
Power Consumption	1.5W
Display	1.6 Inch large screen
Amplification Time Range	1s ~ 99s
Number of Groups	40 groups
Electrical Life	No less than 10,000 times
Installation	35DIN rail mounting or screws
Battery Type	Ni-MH battery
Battery Model	NI-MH40H
Battery Nominal Capacity	40mAh
Product Dimensions	3.54 x 2.75 x 1.96 inches (90 x 70 x 50 mm)
Item Weight	4.2 ounces (119 grams)
Manufacturer	Fafeicy
Country of Origin	China

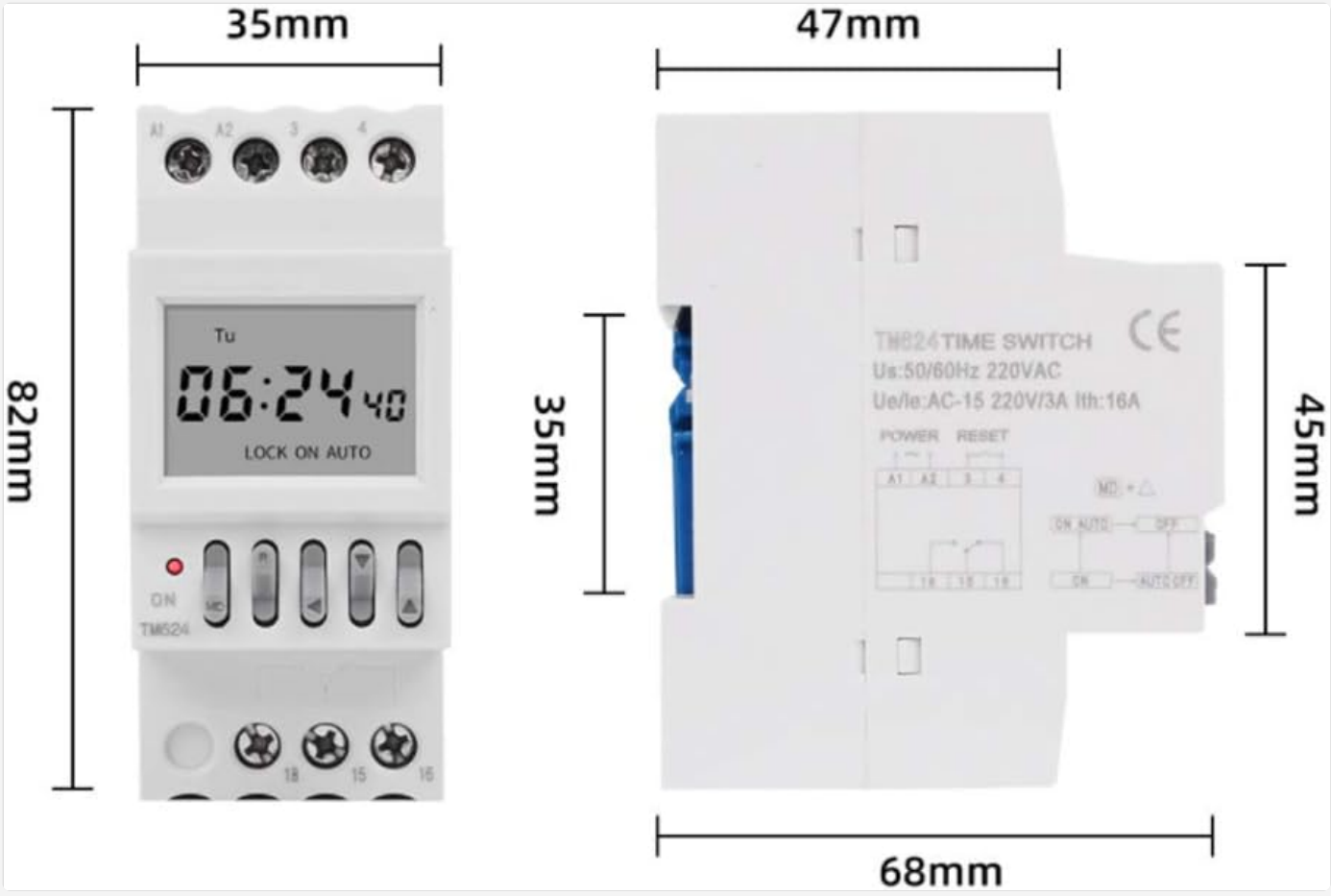


Image: Dimensional drawing of the TM624 Digital Timer Switch, showing key measurements for installation planning.

Installation and Setup

Package Contents:

- 1 x TM624 Timer Switch
- 1 x English Manual (this document)

Mounting Options:

The TM624 Digital Timer Switch offers flexible installation options:

- **35DIN Rail Mounting:** Designed to snap onto standard 35mm DIN rails for quick and secure installation in electrical panels.
- **Screw Mounting:** Can also be securely mounted using screws for direct surface attachment.

Wiring Diagram:

Refer to the diagram below for proper electrical connections. Ensure all wiring is performed by a qualified electrician and adheres to local electrical codes.



Image: Close-up view of the TM624 Digital Timer Switch's wiring terminals (A1, A2, 3, 4, 18, 15, 16) for input power and output control.

The timer operates on AC220V. Connect the power supply to terminals A1 and A2. The output contacts are 15 (common), 16 (normally open), and 18 (normally closed). Connect your load to the appropriate output terminals based on your application's requirements.

Operating Instructions

Display and Buttons:



Image: Front view of the TM624 Digital Timer Switch, showing the digital display and the array of control buttons for programming.

The 1.6-inch display shows the current time and programming status. Below the display are several buttons for setting the timer functions:

- **ON/OFF Button:** Manually switch the output on or off.
- **MD Button:** Mode/Menu button for navigating settings.
- **R Button:** Reset or clear settings.
- **Arrow Buttons (Up/Down/Left/Right):** Used for navigating menus and adjusting values.

Setting the Time:

1. Press the **MD** button to enter time setting mode.
2. Use the arrow buttons to adjust the hour, minute, and day of the week.
3. Press **MD** again to confirm and exit time setting.

Programming Timer Groups (40 Groups):

The TM624 allows for up to 40 distinct ON/OFF programming groups. Each group can be set with a specific start and end time, and a duration from 1 to 99 seconds.

1. Press the **MD** button repeatedly until you reach the program setting interface (e.g., "1 ON").
2. Use the arrow buttons to set the desired ON time (hour, minute, second) for the first program.
3. Press **MD** to move to the OFF time setting for the same program ("1 OFF").
4. Use the arrow buttons to set the desired OFF time.
5. Press **MD** to set the duration (1-99 seconds) if applicable for specific functions.
6. Repeat for additional program groups (up to 40).
7. To exit programming, press the **MD** button until the main time display reappears.

The timer is widely applicable for controlling street lights, factory equipment, advertising signs, production machinery, radio and television equipment, and stage lighting, ensuring regular and precise operation.

Maintenance

The Fafeicy TM624 Digital Timer Switch is designed for low maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents.
- **Environment:** Ensure the timer is installed in a dry environment, away from direct sunlight, excessive heat, and moisture.
- **Battery:** The internal Ni-MH battery (NI-MH40H, 40mAh) is primarily for maintaining time and settings during power outages. It is not user-replaceable. If the display consistently loses time or settings after power interruptions, the battery may need professional servicing.
- **Connections:** Periodically check electrical connections to ensure they remain secure. Loose connections can lead to intermittent operation or damage.

Troubleshooting

Problem	Possible Cause	Solution
Display is blank or not lighting up.	No power supply; incorrect wiring.	Check the AC220V power connection to terminals A1 and A2. Ensure power is supplied to the circuit. Verify wiring according to the diagram.
Timer does not switch ON/OFF at programmed times.	Incorrect program settings; manual override active; load not connected correctly.	Review and re-enter program settings carefully. Ensure the timer is in automatic mode (not manually overridden). Check the load wiring to output terminals 15, 16, or 18.
Time display is inaccurate or resets after power loss.	Internal battery low or faulty.	The internal Ni-MH battery maintains time during power outages. If this issue persists, professional servicing may be required as the battery is not user-replaceable.
Buttons are unresponsive.	Temporary software glitch; physical damage.	Try a soft reset by briefly disconnecting and reconnecting power (if safe to do so). If unresponsive, inspect for physical damage.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Fafeicy customer support.

Warranty and Support

Fafeicy products are manufactured to high quality standards. For warranty information and technical support, please refer to the warranty card included with your purchase or visit the official Fafeicy store on Amazon:

Visit the Fafeicy Store on Amazon

Please have your product model number (TM624) and ASIN (B0F5N6XWZF) ready when contacting support.

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