

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Aramox](#) /

› [Aramox TM619H-2 Electronic Time Control Switch User Manual](#)

Aramox TM619H-2

Aramox TM619H-2 Electronic Time Control Switch

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Aramox TM619H-2 Electronic Time Control Switch. Please read this manual thoroughly before using the device to ensure proper function and safety. Keep this manual for future reference.

2. SAFETY INFORMATION

- Always disconnect power before installation or maintenance to prevent electric shock.
- Installation should be performed by a qualified electrician or knowledgeable individual.
- Ensure the wiring connections are secure and comply with local electrical codes.
- Do not expose the device to excessive moisture, dust, or extreme temperatures.
- The device is designed for indoor use unless otherwise specified.

3. PRODUCT OVERVIEW

The Aramox TM619H-2 is a digital time control switch designed for precise scheduling of electrical devices. It features an LCD digital display and supports both 24-hour and 12-hour time systems. This model operates on 12V DC and includes a memory backup function to retain programming during power interruptions (requires a 3V lithium battery, not included).

Key Features:

- Digital LCD display for clear time and program viewing.
- Supports 24-hour and 12-hour time systems.
- Programmable ON/OFF events.
- Memory backup during power outages (with installed battery).

- Manual override function.

Components:

The device consists of a main body with an LCD display and control buttons on the front, and wiring terminals on the back.



Figure 1: Front view of the TM619H-2 timer switch, displaying the LCD screen and various control buttons such as CLOCK, TIMER, DAY, HOUR, MIN, and MANUAL.

4. SPECIFICATIONS

Feature	Specification
Product Model	TM619H-2
Product Material	ABS
Display Type	LCD Digital Display

Feature	Specification
Work Voltage	DC12V
Frequency	50/60Hz
Current Rating	30A
Battery (for memory)	Lithium battery 3V (not included)
Product Dimensions	3.15 x 3.15 x 1.97 inches (8 x 8 x 5 cm)
Item Weight	4.3 ounces (122 Grams)

5. SETUP

5.1. Battery Installation (for Memory Backup)

The TM619H-2 requires a 3V lithium battery (e.g., CR2032, not included) for memory backup. This battery ensures that your programmed settings are retained during power outages. Locate the battery compartment, insert the battery with the correct polarity, and close the compartment.

5.2. Mounting

The timer switch is designed for panel assembly. Secure the device in a suitable enclosure or panel cutout using appropriate mounting hardware (not included).

5.3. Wiring

Refer to the wiring diagram on the back of the device and the images below for correct connections. Ensure all connections are tight and insulated.



Figure 2: Back view of the TM619H-2 timer switch, illustrating the input and output terminals for wiring.

NEW AND OLD MODELS ARE SHIPPED RANDOMLY



Figure 3: Comparison of wiring configurations for new and old versions of the TM619H-2 model. Always refer to the diagram on your specific unit.

General Wiring Guide:

- **Input Power (DC12V):** Connect your 12V DC power supply to the designated input terminals (typically labeled 'INPUT' or 'LINE').
- **Load Output:** Connect the device you wish to control to the output terminals (typically labeled 'OUTPUT' or 'LOAD'). The timer acts as a switch for this load.
- Ensure the load's current draw does not exceed the timer's maximum rating of 30A.

6. OPERATING INSTRUCTIONS

6.1. Initial Power-Up and Reset

Upon first power-up or after battery installation, the display may show random characters. Press the **R** (Reset) button (usually a small recessed button requiring a pointed object) to clear all settings and initialize the timer.

6.2. Setting Current Time

1. Press the **CLOCK** button and hold it.
2. While holding **CLOCK**, press **DAY** 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.

6.3. Switching 12/24-Hour System

To switch between 12-hour (AM/PM) and 24-hour formats, press the **CLOCK** button and then the **TIMER** button simultaneously.

6.4. Programming ON/OFF Events

The TM619H-2 allows you to set multiple ON/OFF programs. Follow these steps:

1. Press the **TIMER** button once. The display will show "1 ON".
2. Press **DAY** to select the day(s) for this ON event (e.g., Mon-Fri, Sat-Sun, every day, specific day).
3. Press **HOUR** to set the desired hour for the ON event.
4. Press **MIN** to set the desired minute for the ON event.
5. Press the **TIMER** button again. The display will show "1 OFF".
6. Repeat steps 2-4 to set the day(s), hour, and minute for the corresponding OFF event.
7. Continue pressing **TIMER** to cycle through other program settings (2 ON, 2 OFF, etc.).
8. After setting all desired programs, press the **CLOCK** button to exit programming mode and return to the current time display.

6.5. Manual Override

The **MANUAL** button allows you to override the programmed settings temporarily. Pressing this button cycles through different modes:

- **ON:** The output is continuously ON, ignoring programs.
- **AUTO ON:** The output is currently ON and will follow the next programmed OFF event.
- **AUTO OFF:** The output is currently OFF and will follow the next programmed ON event.
- **OFF:** The output is continuously OFF, ignoring programs.

Select "AUTO ON" or "AUTO OFF" for the timer to resume automatic operation based on your programs.

7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If the display becomes dim or programs are lost frequently during power interruptions, the 3V lithium backup battery may need replacement. Follow the battery installation steps in Section 5.1.
- **Inspection:** Periodically check wiring connections for tightness and signs of wear.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Display is blank or dim.	No power supply; faulty wiring; dead backup battery.	Check power connections. Ensure 12V DC supply. Replace backup battery.
Programs are not running.	Timer is in manual ON/OFF mode; incorrect programming; current time not set.	Set to AUTO ON/OFF mode using the MANUAL button. Verify program settings. Set current time correctly.
Programs are lost after power outage.	Backup battery is dead or not installed.	Install or replace the 3V lithium backup battery.
Load does not turn ON/OFF.	Incorrect wiring; faulty load; load exceeds current rating.	Check load wiring. Test the load independently. Ensure load current is within 30A.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the point of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.