

Manuals+

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

manuals.plus /

› [Intermatic](#) /

› [Grasslin by Intermatic MIL72ASTUZH-240 24-Hour 240V Electromechanical Time Control User Manual](#)

Intermatic MIL72ASTUZH-240

Grasslin by Intermatic MIL72ASTUZH-240 24-Hour 240V Electromechanical Time Control User Manual

Model: MIL72ASTUZH-240 | Brand: Intermatic

1. PRODUCT OVERVIEW

The Intermatic MIL72ASTUZH-240 is a robust 24-hour electromechanical timer module designed for precise control of electrical circuits. It is suitable for mounting inside a control panel, offering flexibility with both surface and DIN rail mounting options. This timer is engineered for light-duty commercial applications operating on 240 VAC single-phase power. Its applications include, but are not limited to, lighting control, HVACR systems, pumps, motors, fan controls, access control systems, and general-purpose electrical circuits. The unit features a non-replaceable Nickel Metal Hydride battery, which is pre-installed.



Image 1.1: Front view of the Intermatic MIL72ASTUZH-240 Electromechanical Time Control module.

2. KEY FEATURES

- **Synchronous Drive:** Operates without the need for battery backup for its primary timing function.
- **21 Amp SPDT Switch:** Provides reliable switching for various electrical loads.
- **Captive Trippers:** Features 15-minute interval trippers for precise scheduling, which are captive to prevent loss.
- **1/4-Inch Quick-Connect Terminals:** Facilitates easy and secure electrical connections.
- **3-Way Manual Override:** Allows for temporary manual control of the timer's output, overriding the programmed schedule.

3. SPECIFICATIONS

Model Number	MIL72ASTUZH-240
Operation Mode	Manual
Current Rating	21 Amps

Operating Voltage	240 Volts
Contact Type	Normally Open (SPDT Switch)
Connector Type	Quick Connect (1/4-Inch)
Circuit Type	3-way
Actuator Type	Push Button (for manual override)
Material	Metal
Dimensions (L x W x H)	4.63 x 3.25 x 3.25 inches
Item Weight	8 ounces
International Protection Rating	IP00
Battery	Non-replaceable Nickel Metal Hydride (pre-installed)

4. INSTALLATION AND SETUP

4.1 Safety Precautions

- **WARNING:** Disconnect power at the circuit breaker or fuse box before installing or servicing the timer. Failure to do so may result in serious injury or death.
- Installation should be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the operating voltage of the timer (240V) matches the supply voltage.

4.2 Mounting

The MIL72ASTUZH-240 timer module is designed for installation inside a control panel. It supports two mounting methods:

- **Surface Mount:** Secure the timer directly to a flat surface within the control panel using appropriate fasteners (not included).
- **DIN Rail Mount:** Attach the timer to a standard DIN rail within the control panel. Ensure the timer is securely clipped onto the rail.



Image 4.1: Detailed view of the timer showing mounting points and quick-connect terminals.

4.3 Wiring

Connect the timer to the 240 VAC power supply and the load using the 1/4-inch quick-connect terminals. Refer to the wiring diagram provided with the product packaging for specific connection details. Ensure all connections are tight and secure.

- Identify the Line (L1, L2) and Load terminals.
- Connect the incoming 240V power to the appropriate Line terminals.
- Connect the device to be controlled (load) to the Load terminals.

5. OPERATING INSTRUCTIONS

5.1 Setting the Time of Day

Rotate the dial clockwise until the current time aligns with the time indicator arrow on the timer face. The dial is marked for 24 hours.

5.2 Programming ON/OFF Times

The timer uses captive trippers for programming. Each tripper represents a 15-minute interval.

1. To set an **ON** period, push the trippers outwards (away from the center) for the desired duration.
2. To set an **OFF** period, leave the trippers in their inward position (towards the center).
3. Ensure that the desired ON/OFF periods are clearly defined by the tripper positions.

5.3 Manual Override

The MIL72ASTUZH-240 features a 3-way manual override switch. This allows you to temporarily change the timer's state without altering the programmed schedule.

- Consult the timer's face or specific markings for the exact positions of the 3-way override. Common positions include:
 - **ON:** Forces the connected load to remain ON, regardless of the program.
 - **AUTO:** Allows the timer to follow its programmed schedule.
 - **OFF:** Forces the connected load to remain OFF, regardless of the program.
- To return to automatic operation, set the override switch to the "AUTO" position.

6. MAINTENANCE

The Intermatic MIL72ASTUZH-240 is designed for minimal maintenance. Regular inspection is recommended to ensure optimal performance.

- **Cleaning:** Keep the timer free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or solvents.
- **Connections:** Periodically check electrical connections for tightness and signs of corrosion.
- **Battery:** The unit contains a non-replaceable Nickel Metal Hydride battery. This battery is primarily for internal clock operation during power outages and is not user-serviceable. The synchronous drive means the main timing function does not rely on this battery for continuous operation.
- **Environmental Conditions:** Ensure the timer is operated within its specified environmental conditions (e.g., temperature, humidity) to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer not operating / Load not switching	No power supply; Incorrect wiring; Manual override engaged; Trippers not set correctly.	Verify power is supplied to the timer. Check wiring against the diagram. Ensure manual override is set to "AUTO". Confirm trippers are correctly positioned for ON/OFF times.
Load remains ON or OFF continuously	Manual override engaged; Trippers stuck or incorrectly set.	Check manual override switch position and set to "AUTO". Inspect trippers for proper movement and setting.
Timer dial not advancing	No power to the timer.	Verify power supply to the timer.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or Intermatic customer support for assistance.

8. WARRANTY AND SUPPORT

This product is sold without an explicit warranty from the manufacturer as per available information. For specific warranty details or support inquiries, please refer to the documentation included with your purchase or contact Intermatic directly through their official website or customer service channels.

Manufacturer: Intermatic Incorporated

Website: www.intermatic.com (This is a general link, specific support contact may vary)