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Intermatic ST01

Intermatic ST01 7-Day Programmable In-Wall Digital Timer Switch

User Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your Intermatic ST01 7-Day Programmable In-Wall Digital Timer Switch. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Installation requires knowledge of electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

- Disconnect power at the circuit breaker or fuse before installing or servicing.
- Use only with copper conductors.
- Do not exceed the maximum electrical ratings of the device.
- Ensure all wire connections are secure.
- This device is intended for indoor use only.

Refer to the manufacturer's notice regarding Proposition 65 warning:

<http://www.cpsc.gov/cpscpub/prerel/prhtml09/09259.html>

PRODUCT OVERVIEW

Key Features:

- 7-Day Programmable: Allows for multiple on/off events each day, up to 40 per week.
- Astronomic Feature: Automatically adjusts to daily sunrise/sunset changes.
- Versatile Application: Suitable for single-pole or 3-way applications.
- Heavy-Duty Load Compatibility: Controls lighting (incandescent, fluorescent, LED, CFL) and heavy-duty loads like fans and appliances.
- No Neutral Required: Simplifies installation in existing wiring.

- Random Setting: Varies turn-on times by a few minutes for security.
- Automatic Daylight Saving Time Corrections.
- 3-Year Replaceable Battery for backup.

Components:





Figure 1: Front View of ST01 Timer. Shows the main body of the timer switch with its digital display and the cover for the control buttons.





Figure 2: ST01 Timer with Control Buttons Exposed. Reveals the 'mode', 'on/off', and '+' / '-' buttons for programming and operation.



Figure 3: Rear View of ST01 Timer with Wiring. Displays the various colored wires (blue, red, black, green) for electrical connection.

INSTALLATION

The Intermatic ST01 timer is designed for in-wall installation, replacing a standard light switch. It can be used in both single-pole and 3-way wiring configurations.

Tools Required:

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Electrical Tape
- Voltage Tester

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the power to the switch you are replacing. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the wall plate and unscrew the existing switch from the electrical

box. Disconnect the wires from the old switch, noting their connections.

3. **Wire the ST01 Timer:** Connect the wires from the electrical box to the corresponding wires on the ST01 timer. Refer to the wiring diagram provided with your unit for specific single-pole or 3-way configurations. The ST01 does not require a neutral wire.
4. **Mount the Timer:** Gently push the wired timer into the electrical box. Secure it with the provided screws.
5. **Install Wall Plate:** Attach the new or existing wall plate over the timer.
6. **Restore Power:** Turn the power back on at the circuit breaker or fuse.





Figure 4: Installed ST01 Timer. Shows the timer switch flush-mounted in a wall, ready for use.

SETUP AND PROGRAMMING

The ST01 timer is designed for easy programming. It is recommended to program the unit before final installation, as it is battery-powered.

Initial Setup:

1. **Install Battery:** Open the battery compartment (usually at the bottom of the unit) and insert the required Lithium Ion battery.
2. **Set Current Time and Date:** Use the '+' and '-' buttons to adjust the time and date. Press the 'mode' button to cycle through settings (hour, minute, AM/PM, day of week, year).
3. **Select Geographic Zone:** The timer uses an astronomic feature. Select your geographic zone (North, Center, or South) based on the provided map in the full user guide to ensure accurate sunrise/sunset calculations.
4. **Daylight Saving Time:** The unit automatically adjusts for Daylight Saving Time. Ensure this feature is enabled if applicable to your region.

Programming On/Off Events:

The ST01 can store up to 40 on/off events per week.

1. Press the 'mode' button until "PROG" appears on the display.
2. Use '+' and '-' to select the program number (P1-P40).
3. Press 'mode' to set the ON time. Use '+' and '-' to adjust.
4. Press 'mode' to set the OFF time. Use '+' and '-' to adjust.
5. Press 'mode' to select the days of the week for this program. You can select individual days, weekdays, weekends, or all days.
6. Repeat for additional programs.

Astronomic Feature:

The astronomic feature allows the timer to automatically turn lights on at dusk and off at dawn, adjusting daily for seasonal changes. You can also set specific offset times from dusk/dawn if desired.

Random Mode:

For enhanced security, the random mode can vary the programmed on/off times by a few minutes, making it appear as if someone is home.

Your browser does not support the video tag.

Video 1: Intermatic ST01 7-Day Heavy-Duty Programmable Timer Overview. This video provides a visual overview of the ST01 timer's features and capabilities, including its versatility, lack of neutral wire requirement, programming events, astronomic function, and replaceable battery.

OPERATING THE TIMER

Once programmed, the ST01 timer operates automatically based on your settings. You can manually override the timer at any time.

Manual Override:

- Press the 'on/off' button to manually turn the connected device on or off. This will temporarily override the current program until the next scheduled event.

Mode Selection:

The 'mode' button allows you to switch between different operating modes, such as AUTO (programmed operation), ON (always on), and OFF (always off).

MAINTENANCE

The Intermatic ST01 timer requires minimal maintenance.

- **Battery Replacement:** The internal battery provides backup for settings during power outages. It has an approximate 3-year lifespan. Replace the battery when the low battery indicator appears on the display. The battery compartment is accessible from the front of the unit.
- **Cleaning:** Clean the surface of the timer with a soft, damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer display is blank or dim.	No power to the unit or low battery.	Check circuit breaker. Replace battery.
Lights do not turn on/off at programmed times.	Incorrect programming, manual override active, or incorrect time/date/zone setting.	Verify program settings, ensure timer is in AUTO mode, check current time and geographic zone.
Timer is not responding to button presses.	Unit may be locked or experiencing a temporary glitch.	Try pressing the reset button (if available, refer to full manual). Ensure the cover is fully open to access all buttons.
Astronomic feature is inaccurate.	Incorrect geographic zone selected.	Re-enter the correct geographic zone during setup.

For more detailed troubleshooting, please refer to the full user guide available at:[User Guide \(PDF\)](#)

SPECIFICATIONS

- **Model:** ST01
- **Operating Voltage:** 120 Volts
- **Circuit Type:** Single-pole or 3-way
- **Contact Type:** Normally Open
- **Item Dimensions (L x W x H):** 2.3 x 3 x 4.9 inches
- **Item Weight:** 7.2 ounces
- **Battery:** 1 Lithium Ion battery (required, included)
- **Color:** White
- **Material:** Copper (Contact Material)
- **International Protection Rating:** IP54

WARRANTY AND SUPPORT

Warranty: The Intermatic ST01 comes with a 1-Year warranty. This warranty covers replacement of the unit but does not include labor.

Support: For further assistance, technical support, or to access the complete user manual, please visit the official Intermatic website or refer to the provided PDF user guide: [User Guide \(PDF\)](#)