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Intermatic ST01A

Intermatic ST01A 7 Day Programmable In Wall Digital Timer Switch Instruction Manual

Model: ST01A

PRODUCT OVERVIEW

The Intermatic ST01A is a heavy-duty in-wall digital timer switch designed for controlling lights and appliances. It features astronomic capabilities, allowing it to automatically adjust to daily sunrise/sunset changes. This timer supports both single-pole and 3-way applications and offers up to 6 ON/OFF settings per 7-day period, totaling 42 settings per week. It includes a large LCD display for easy monitoring, a battery backup, and a manual override feature. No neutral wire is required for installation.

Typical applications include entryway lighting, deck light controls, landscape lighting, bathroom fans, attic fans, pumps, hallway lighting, small commercial signage, and store lighting.

SAFETY INFORMATION

WARNING: Risk of Fire or Electric Shock. Always turn off electricity at the circuit breaker panel before proceeding with installation or maintenance. This product is intended for installation in accordance with the National Electrical Code and local regulations by a person familiar with the construction and operation of the product and the hazards involved. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation.

SETUP AND INSTALLATION

The Intermatic ST01A timer is designed for in-wall installation. It can be used in single-pole or 3-way applications. A neutral wire is not required for operation.

Physical Installation

Due to its size, ensure adequate space within the electrical box for the timer and wiring. Connect the timer according to the wiring diagram provided in the packaging. For 3-way applications, the timer can control devices up to 100 feet away.





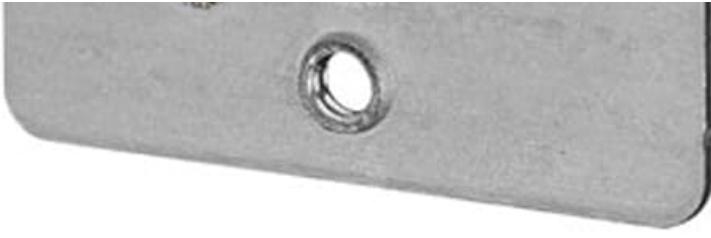


Figure 1: Front view of the Intermatic ST01A In-Wall Digital Timer Switch, showing the LCD display and control buttons.



Figure 2: The Intermatic ST01A timer switch installed in a wall, blending with home decor.

Initial Programming and Time Setting

Before setting schedules, the timer needs to be reset and the current time and date configured. The video below demonstrates this process.

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Video 1: Instructions for resetting and setting the current time and date on the Intermatic ST01A timer. This video also covers programming fixed ON/OFF events.

1. **Resetting the Timer:** Open the door covering the buttons. Press and hold the ON/OFF button. While holding ON/OFF, use a paper clip to press the recessed RESET button for 3 seconds. Release RESET, then continue holding ON/OFF for an additional 3 seconds. The display will reset to 12:00.

2. **Entering Setup:** Press the MODE button until "SETUP" appears on the display.
3. **Setting Current Time (Hour and Minutes):** Press the ON/OFF button to enter the setup menu. The hour will flash. Use the + or - keys to set the current hour. Press ON/OFF to move to minutes. Use the + or - keys to set the current minutes.
4. **Setting Current Date (Year, Month, Day):** Press ON/OFF to move to the year. Use the + or - keys to set the current year. Press ON/OFF to move to the month. Use the + or - keys to set the current month. Press ON/OFF to move to the day. Use the + or - keys to set the current day. The display will then show the correct day of the week (e.g., THU for Thursday). If the day is incorrect, re-enter the year and month.
5. **Daylight Saving Time (DST) Setting:** Press ON/OFF. "AUTO DST" will display. If you observe DST, leave it as "AUTO". If not, use the + or - keys to select "MANUAL".
6. **Exiting Setup:** Press ON/OFF to save the DST setting. The display will show "CENT" (for Central Time Zone, which is not relevant for fixed schedules). Press MODE to exit setup and return to the current time display.

OPERATING INSTRUCTIONS

Programming ON/OFF Events (Fixed Schedule)

The ST01A allows for up to 6 ON/OFF settings per 7-day period (12 events total). This section details how to program fixed ON/OFF times.

1. **Enter Program Mode:** After setting the time and date, press the MODE button until "PGM" (Program) appears on the screen.
2. **Program ON Event (Event 01):**
 - Press ON/OFF. "01" will flash, indicating the first event.
 - Press ON/OFF again. "ON" will flash, confirming you are setting an ON event.
 - Press ON/OFF. "DUSK" will flash. Use the + or - keys until a specific time (e.g., 12:00) flashes.
 - Press ON/OFF. The hour will flash. Use the + or - keys to set the desired ON hour.
 - Press ON/OFF. The minutes will flash. Use the + or - keys to set the desired ON minutes.
 - Press ON/OFF. "ALL" will flash. This means the ON event will apply to all days of the week. You can use + or - to select specific days if needed.
 - Press ON/OFF to save the ON event. "01" will flash again.
3. **Program OFF Event (Event 02):**
 - Use the + key to advance to "02".
 - Press ON/OFF. "OFF" will flash, confirming you are setting an OFF event.
 - Press ON/OFF. "DAWN" will flash. Use the + or - keys until a specific time (e.g., 12:00) flashes.
 - Press ON/OFF. The hour will flash. Use the + or - keys to set the desired OFF hour.
 - Press ON/OFF. The minutes will flash. Use the + or - keys to set the desired OFF minutes.
 - Press ON/OFF. "ALL" will flash. This means the OFF event will apply to all days of the week. You can use + or - to select specific days if needed.
 - Press ON/OFF to save the OFF event. "02" will flash again.
4. **Exit Program Mode:** Press the MODE button until "AUTO" is displayed. The timer is now programmed and operating automatically.

Astronomic Feature

The astronomic feature allows the timer to automatically adjust ON/OFF times based on daily sunrise and sunset changes for your geographical location. This feature is enabled by default when setting the date and time correctly. If you prefer fixed times, ensure you select a specific time instead of "DUSK" or "DAWN" during programming.

Manual Override

The timer includes a manual override feature. Pressing the main button on the timer will temporarily switch the connected load ON or OFF, overriding the current program until the next scheduled event.

Optional Random Setting

The optional random setting can vary the time your devices turn ON or OFF by a few minutes, providing a lived-in appearance when you are away. Refer to the full product manual for detailed instructions on enabling this feature.

MAINTENANCE

Battery Replacement

The timer's electronics are powered by a replaceable Lithium Metal battery, which also provides backup during power outages. The battery typically lasts approximately 2 years. When the battery needs replacement, ensure the power to the timer is turned off at the circuit breaker before opening the unit to access the battery compartment. Replace with a new Lithium Metal battery.

TROUBLESHOOTING

- Incorrect Day Displayed:** If the day of the week is incorrect after setting the time and date, re-enter the year and month carefully to ensure accuracy.
- Timer Not Responding:** Ensure the timer has power. If the display is blank, the battery may need replacement or the circuit breaker may be off.
- Programs Not Activating:** Verify that the timer is in "AUTO" mode. Check that the ON/OFF events are programmed correctly with the desired times and days.
- Physical Fit in Electrical Box:** The timer is relatively large. If installation is difficult due to limited space, consider using a deeper electrical box or an extender box.

SPECIFICATIONS

Brand	Intermatic
Model Number	ST01A
Color	Light Almond
Material	Plastic
Item Weight	6.4 ounces (0.4 Pounds)
Product Dimensions	5.91 x 2.83 x 2.2 inches
Voltage	120 Volts
Switch Type	3-way

Mounting Type	In Wall
Number of Settings	7 (per week, up to 42 total ON/OFF settings)
Battery Type	1 Lithium Metal battery required (not included)

WARRANTY INFORMATION

The Intermatic ST01A comes with a 1-year warranty. This warranty covers replacement of the unit but does not include labor costs for removal or reinstallation.

SUPPORT

For additional information, technical assistance, or to view the complete product manual, please visit the official Intermatic website:

www.intermatic.com