Intermatic ST01

Intermatic ST01 24-Hour In-Wall Timer Instruction Manual

Model: ST01

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, operation, and maintenance of the Intermatic ST01 24-Hour In-Wall Timer. The ST01 is a heavy-duty digital timer designed for in-wall flush mounting, suitable for controlling various electrical loads including incandescent and fluorescent lighting. Please read this manual thoroughly before installation and use to ensure safe and proper operation.

Image 1: Front view of the Intermatic ST01 24-Hour In-Wall Timer. This image displays the timer's digital LCD screen and control buttons, designed for flush mounting within a standard wall box.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Installation requires working with high voltage wiring. Always turn off power at the circuit breaker or fuse box before installation or servicing. Installation should be performed by a qualified electrician or trained personnel.

- Do not install with wet hands.
- Do not use in locations where it may be exposed to water or extreme humidity.
- Ensure all wiring connections are secure and comply with local electrical codes.
- This device is rated for 120-277V, 15A, 1800W. Do not exceed these ratings.
- For indoor use only.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Intermatic ST01 24-Hour In-Wall Timer (1 unit)
- Mounting Screws (2 units)
- Wire Nuts (3 units)
- Instruction Manual (This document)

4. INSTALLATION

Follow these steps for safe and proper installation:

1. **Turn Off Power:** Locate the circuit breaker or fuse that supplies power to the switch box where the timer will be installed. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the wall box. Disconnect the wires from the old switch, noting which wire was connected to which terminal (typically Line, Load, and Ground).
3. **Wire the Timer:** The ST01 timer typically has three wires:
   - **Black (Line):** Connect to the incoming hot wire from the circuit breaker.
   - **Red (Load):** Connect to the wire going to the light fixture or appliance.
   - **Green (Ground):** Connect to the bare copper or green ground wire in the wall box.

   Use wire nuts to secure all connections. Ensure connections are tight and no bare wire is exposed.
4. **Mount the Timer:** Gently fold the wires into the wall box. Insert the timer into the wall box and secure it with the provided mounting screws.
5. **Install Wall Plate:** Attach a standard wall plate (not included) over the timer.
6. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

Note: The ST01 is designed for flush mounting and requires a standard electrical wall box.

5. INITIAL SETUP AND PROGRAMMING

Upon initial power-up or after a power outage, the timer's internal CR2 lithium battery maintains settings, but you may need to set the current time and program schedules.

1. **Set Current Time:**
   - Press the **CLOCK** button.
   - Use the **HOUR** and **MINUTE** buttons to adjust the current time. The display operates in a 12-hour format (AM/PM).
   - Press **CLOCK** again to save and exit.

2. **Program ON/OFF Schedules:** The ST01 allows for multiple ON/OFF programs over a 24-hour period.
   - Press the **PROG** button. The display will show "1 ON".
   - Use **HOUR** and **MINUTE** buttons to set the desired ON time for program 1.
   - Press **PROG** again. The display will show "1 OFF".
   - Use **HOUR** and **MINUTE** buttons to set the desired OFF time for program 1.
   - Repeat for additional programs (e.g., "2 ON", "2 OFF", etc.) as needed.
   - Press **CLOCK** to save all programs and return to normal operation.

Refer to the timer's LCD display for visual cues during programming.

6. OPERATING THE TIMER

Once programmed, the ST01 timer will automatically switch connected devices ON and OFF according to your set schedules. You can also manually override the timer:

- **Manual ON/OFF:** Press the **MANUAL** button to cycle through ON, OFF, and AUTO modes.
  - **ON:** The connected device will remain ON, overriding all programs.
  - **OFF:** The connected device will remain OFF, overriding all programs.
  - **AUTO:** The timer will operate according to the programmed schedules. This is the default operating mode.

- **Random Mode (if available):** Some models may include a random mode for security. Consult the specific model's features if this is desired.

7. MAINTENANCE

The Intermatic ST01 timer requires minimal maintenance:

- **Cleaning:** Wipe the timer's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery:** The internal CR2 lithium battery maintains time and program settings during power outages. This battery is typically long-lasting and not user-replaceable. If the display becomes dim or settings are lost frequently, professional servicing may be required.
- **Inspection:** Periodically inspect the timer and wall plate for any signs of damage or loose connections.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer display is blank.	No power to the timer.	Check circuit breaker/fuse. Ensure wiring connections are secure.

Problem	Possible Cause	Solution
Timer does not turn ON/OFF at programmed times.	Incorrect programming or timer is in Manual ON/OFF mode.	Verify program settings. Ensure timer is in AUTO mode by pressing the **MANUAL** button until "AUTO" is displayed.
Time or programs are lost after power outage.	Internal battery low or depleted.	The CR2 lithium battery is designed for long life. If this occurs frequently, the unit may require replacement or professional service.
Connected device does not turn ON/OFF.	Faulty wiring, faulty load, or timer malfunction.	Verify wiring connections. Test the connected device directly. If issues persist, consult a qualified electrician.

9. SPECIFICATIONS

- **Model:** ST01
- **Type:** 24-Hour In-Wall Digital Timer
- **Voltage:** 120 - 277 V
- **Amperage:** 15 A
- **Power:** 1800 W
- **Poles:** 1
- **Operation:** ON/OFF, Digital, LCD Display
- **Time Setting:** 12-hour format
- **Battery:** CR2 Lithium (for memory backup)
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Mounting:** Flush mounting
- **Dimensions (Overall):** 2.75" H x 1.75" W x 1.46" D (70mm H x 44mm W x 37mm D)
- **Color:** White
- **Material:** Metal
- **Certifications:** CSA certified
- **Compatibility:** Incandescent, Fluorescent lighting
- **Item Weight:** 8 ounces (approx. 227 grams)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please contact Intermatic customer service. Keep your purchase receipt as proof of purchase.
Intermatic Customer Service:

- **Website:** www.intermatic.com
- Refer to the official Intermatic website for the most current contact information and warranty details.