Rain Bird SST-900I

Rain Bird 9 Valve Sprinkler Timer Instruction Manual

Model: SST-900I | Brand: Rain Bird

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Rain Bird 9 Valve Sprinkler Timer, Model SST-900I. Designed for efficient and flexible irrigation, this timer ensures your landscape receives optimal watering. Please read this manual thoroughly before use to ensure proper setup and functionality.



Figure 1: Front view of the Rain Bird SST-900I Sprinkler Timer, showing the control dial, display, and programming buttons.

Setup and Installation

Proper installation is crucial for the optimal performance of your sprinkler timer. Follow these steps carefully.

Installation Steps:

1. **Record Old Settings:** Before disconnecting your old timer, make a note of all current settings, including start times, run times, and watering days for each zone. This information will be useful for programming your new timer.
2. **Disconnect Power and Label Wires:** Unplug the power to your old timer. Carefully label each sprinkler wire with a small piece of tape corresponding to its zone number.
3. **Remove Old Timer:** Disconnect all wires and remove the mounting screws to take the old timer off the wall.
4. **Mount New Timer:** Hang the new Rain Bird SST-900I timer in its place. Secure it using the provided mounting screws.
5. **Connect Wires:** With the cover removed, connect each labeled sprinkler wire to the corresponding zone terminal on

the new timer. Connect the common wire to the common terminal.

6. **Connect Power:** Attach the power transformer and plug it into a nearby outlet.
7. **Test Zones:** To ensure proper connection, activate each zone using the "Water Now" feature on the timer. Observe that each zone's sprinklers activate correctly.

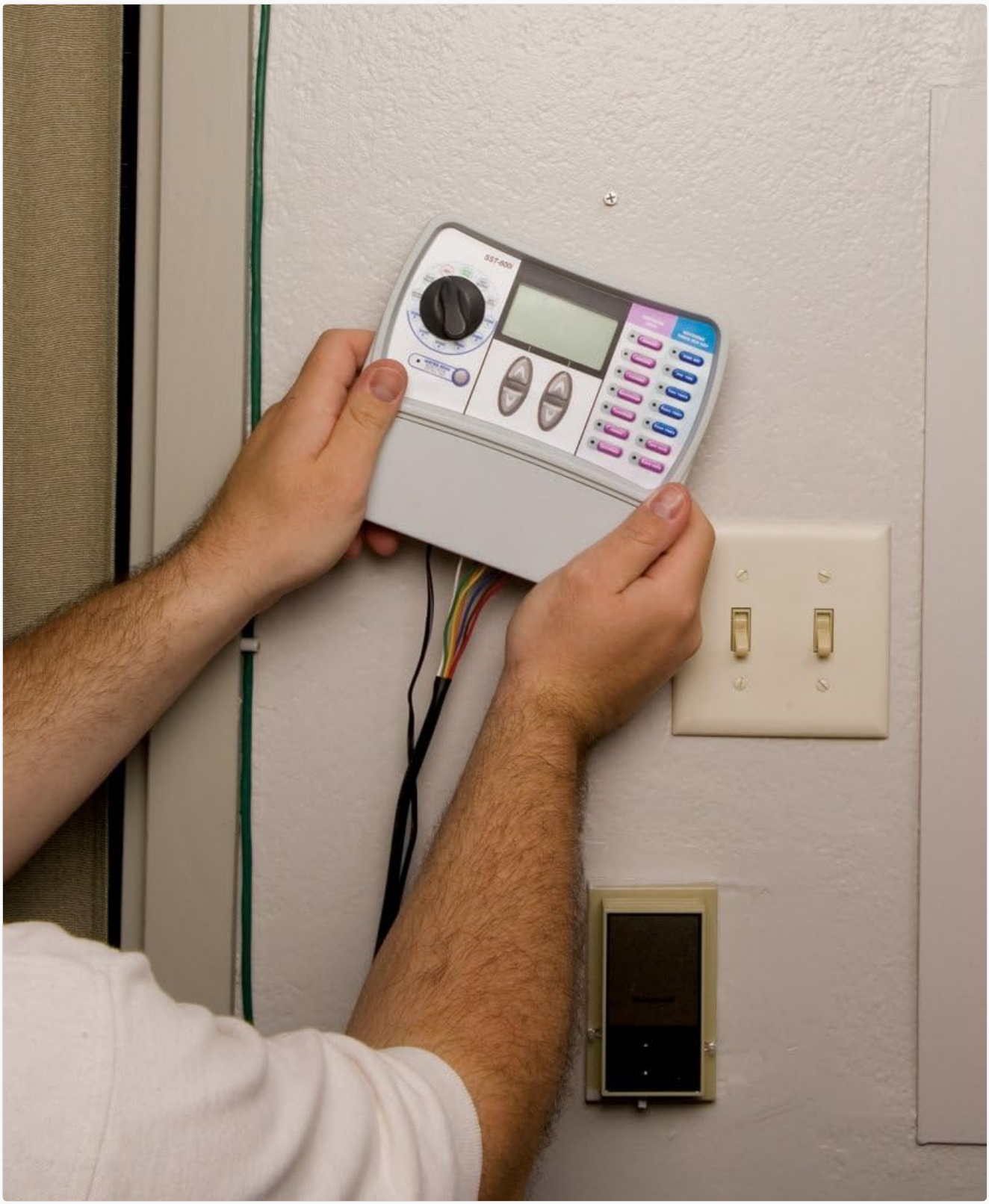


Figure 2: Installation of the Rain Bird SST-900I, showing the wiring connections.

Installation and Programming Video Guide:

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Video 1: Official Rain Bird guide on installing and programming SST Timers. This video covers initial setup, wiring, and basic programming

steps.

Operating Instructions

The Rain Bird SST-900I is designed for user-friendly operation. Follow these steps to program your watering schedule.

Programming the Timer:

1. **Set Clock:** Turn the dial to the "SET CLOCK" position. Use the up/down arrow keys to set the current time.
2. **Set Date:** Turn the dial to the "SET DATE" position. Use the left up/down arrows to set the year, and the right up/down arrows to set the month and day.
3. **Schedule Watering (Per Zone):**
   - Turn the dial to select the desired zone (e.g., ZONE 1).
   - Use the left up/down arrow keys to set the first start time for that zone.
   - Use the right up/down arrow keys to set the run time (duration) for that zone.
   - Press the pink "WATERING DAYS" buttons to select specific days to water, or choose "ODD DAYS" or "EVEN DAYS".
   - Press the blue "WATERING TIMES PER DAY" buttons to select how many times per day the zone should water (One Time, Two Times, Three Times, Four Times).
   - Repeat this process for all remaining zones. Note: If multiple zones are scheduled to start at the same time, the controller will water them in sequence.
4. **Seasonal Adjust:** Turn the dial to "SEASON ADJUST". Use the up/down arrow buttons to adjust the watering time percentage for all zones. This feature allows you to increase or decrease watering duration based on seasonal weather changes (e.g., -50% for wet weather, +50% for hot/dry weather). Return to 0% for normal watering.
5. **Rain Delay:** Turn the dial to "RAIN DELAY". Use the up/down arrow buttons to set a delay time for up to 72 hours (3 days), suspending watering during this period.

Manual Operation:

- **Water All Zones:** Turn the dial to "AUTO RUN". Press the green "WATER ALL NOW" button. The screen will display the current watering zone and remaining time.
- **Water One Zone:** Turn the dial to select a specific zone. Press the purple "WATER ONE ZONE NOW" button. The default run time is 10 minutes, which can be adjusted using the up/down arrow buttons.
- To stop manual watering, turn the dial to "OFF" or "AUTO RUN".

Maintenance

Regular maintenance helps prolong the life and efficiency of your sprinkler timer and system.

- **Regular Inspection:** Periodically check the timer for any visible damage or loose connections.
- **Cleanliness:** Keep the timer's exterior clean and free from dust and debris. Use a soft, dry cloth.
- **Winterization:** In colder climates, ensure proper winterization of your irrigation system to prevent damage from

freezing temperatures. Consult a professional if unsure.

Troubleshooting

If you encounter issues with your Rain Bird SST-900I, refer to these common troubleshooting tips:

- **No Power to Timer:**
  - Check if the power transformer is securely plugged into a working outlet.
  - Verify that the circuit breaker for the outlet has not tripped.
- **Zone Not Watering:**
  - Ensure the timer is in "AUTO RUN" mode.
  - Check the wiring connections for the specific zone at the timer and at the valve.
  - Verify that the zone is scheduled to water on the current day and time.
  - Check for any rain delay settings that might be active.
- **Overwatering/Underwatering:**
  - Adjust the "SEASON ADJUST" percentage to increase or decrease watering duration for all zones.
  - Review individual zone run times and watering frequency to match plant needs and soil type.
- **Display Issues:** If the display is blank or erratic, try unplugging the power for a few minutes and then plugging it back in to reset the unit.

For more complex issues, consult the official Rain Bird support resources or a qualified irrigation professional.

Specifications

Feature	Detail
Brand	Rain Bird
Model Number	SST-900I
Number of Zones	9
Dimensions	1.2 x 7 x 6 inches
Item Weight	2.29 pounds
Power Source	24VAC (Transformer included)
Memory	All settings stored in permanent memory (no battery backup required)
Protection	Superior surge protection

Warranty and Support

For detailed warranty information and customer support, please refer to the official Rain Bird website or the documentation included with your product. You can also find additional resources, including a User Guide and User Manual, at the following links:

- User Guide (PDF)
- User Manual (PDF)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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