

Orbit 94896

Orbit 94896 Easy-Set Logic 6-Station Automatic Indoor/Outdoor Sprinkler Timer User Manual

1. INTRODUCTION

The Orbit Easy-Set Logic sprinkler timer series sets a new standard for retail sprinkler timers. This model, the Orbit 94896, combines simple programming and installation with advanced features typically found only on high-end professional timers. It is designed for both indoor and outdoor use, offering reliable automatic irrigation for up to 6 zones.



Front view of the Orbit Easy-Set Logic 6-Station Sprinkler Timer. The clear LCD display shows the current time, and the central rotary dial allows for easy mode selection. Push buttons are available for precise adjustments and programming.

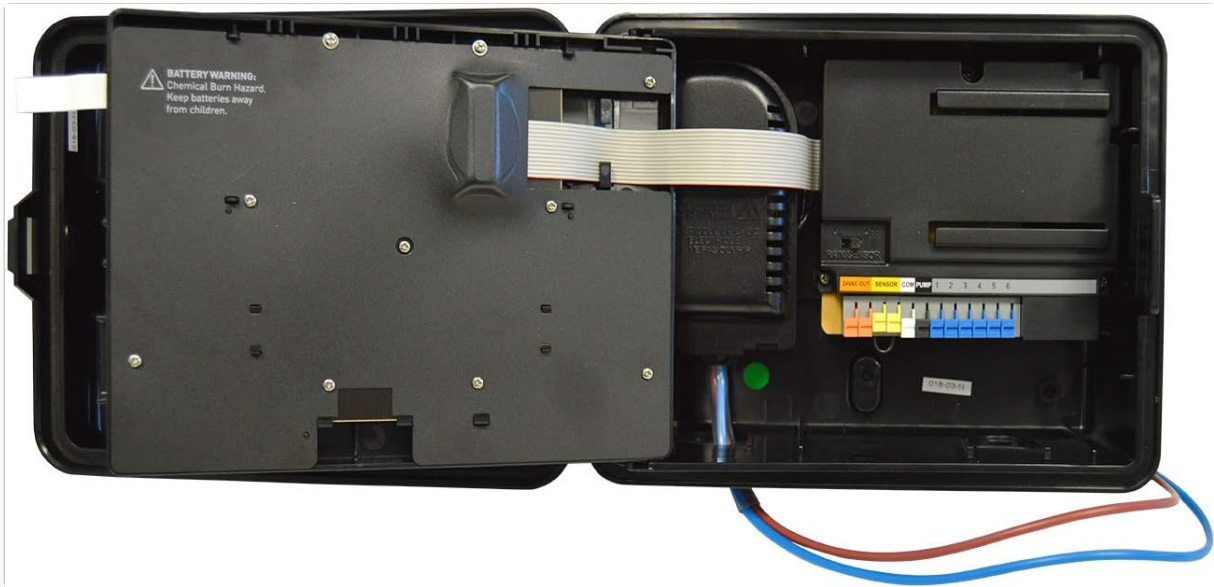
2. SETUP AND INSTALLATION

2.1 Mounting the Timer

The Orbit 94896 timer can be mounted indoors or outdoors. Choose a location that is protected from direct sunlight and extreme weather conditions if possible. Ensure the location allows for easy access to wiring and programming.

2.2 Wiring Connections

Before making any electrical connections, ensure the power supply to the timer is disconnected. Connect the valve wires to the corresponding numbered terminals (1-6) on the timer. Connect the common wire from your valves to the terminal labeled 'COMMON'.



This image displays the internal wiring compartment of the Orbit sprinkler timer. Clearly visible are the numbered terminals for connecting up to six irrigation zones, a common wire terminal, and dedicated terminals for an optional rain sensor. The battery compartment for backup power is also shown.

2.3 Rain Sensor Connection

The timer includes a rain sensor connection with a bypass switch. If using an optional Orbit 57275 rain sensor, connect it to the designated terminals. The bypass switch allows you to override the rain sensor if needed.

2.4 Power Connection

Connect the timer to a suitable power outlet. The unit operates on 12 Volt (AC). Ensure the power supply matches the timer's requirements.



This image demonstrates the Orbit sprinkler timer installed on an exterior brick wall. The protective cover is open, revealing the control panel and display, indicating its suitability for outdoor mounting.

3. OPERATING INSTRUCTIONS

The Easy-Set Logic programming uses an intuitive interface with a large LCD display and a rotary dial for easy adjustment and monitoring.

3.1 Setting Current Time and Day

1. Turn the dial to 'SET CLOCK'.
2. Use the '+' and '-' buttons to adjust the current time.
3. Turn the dial to 'SET DAY' and use '+' and '-' to set the current day of the week.

3.2 Programming Irrigation Schedules

The timer supports 3 independent programs (A, B, C) for versatility, with up to 8 start times per program. The programming follows a simple logic: **When to Water**, **How Long to Water**, and **How Often to Water**.

3.2.1 Set Program Start Times (When to Water)

1. Turn the dial to 'PROGRAM'.
2. Press the 'PROGRAM' button to select Program A, B, or C.
3. Use the '+' and '-' buttons to set the desired start time for the first cycle.
4. Press the 'PROGRAM' button again to set additional start times (up to 8 per program).

3.2.2 Set Station Run Times (How Long to Water)

1. Turn the dial to 'RUN TIME'.
2. Select the desired program (A, B, or C) using the 'PROGRAM' button.
3. Use the '+' and '-' buttons to set the watering duration for each station (zone).

3.2.3 Set Watering Days (How Often to Water)

1. Turn the dial to 'DAY'.
2. Select the desired program (A, B, or C) using the 'PROGRAM' button.
3. Use the '+' and '-' buttons to select specific days of the week for watering, or choose an interval (e.g., every 2 days).

3.3 Manual Watering

To manually water a specific station or all stations, turn the dial to 'ENTER MANUAL'. Follow the on-screen prompts to select the station and duration. This feature allows for one-touch manual watering.

3.4 Rain Delay

The one-touch rain delay feature allows you to pause your irrigation schedule for a set period (e.g., 24, 48, 72 hours) without losing your programmed settings. Press the 'RAIN DELAY' button to activate and cycle through delay options.

3.5 Water Budgeting

Turn the dial to 'BUDGET' to adjust the watering duration for all stations in a program by a percentage. This is useful for seasonal adjustments without reprogramming each station individually.

3.6 Automatic Operation

Once programming is complete, turn the dial to 'AUTO'. The timer will now operate according to your programmed schedule.

4. MAINTENANCE

4.1 Battery Backup

The timer includes a lithium backup battery to maintain programming in case of a power outage. Replace the battery periodically (typically every 1-2 years) to ensure program retention. Refer to the internal wiring image for the battery compartment location.

4.2 Cleaning

Wipe the timer's exterior with a damp cloth as needed. Do not use abrasive cleaners or immerse the unit in water.

4.3 Winterization

In regions subject to freezing temperatures, it is recommended to disconnect the timer and drain all water from the irrigation system to prevent damage. Store the timer indoors during winter months.

5. TROUBLESHOOTING

If you encounter issues with your Orbit 94896 timer, review the following common problems and solutions:

- **Timer Display is Blank:** Check the power connection. Ensure the outlet has power. Verify the backup battery is correctly installed and charged.
- **Zones Not Watering:** Ensure the dial is set to 'AUTO'. Check that programs are correctly set with start times, run times, and watering days. Verify that the rain sensor is not active (if installed) or bypass it. Inspect valve wiring for loose connections.
- **Continuous Watering:** Check for a stuck valve. Ensure the timer is not in manual mode unintentionally. If a rain sensor is connected, ensure it is functioning correctly and not causing a false signal.
- **Incorrect Watering Times:** Review your program settings for start times, run times, and watering days. Check the water budgeting setting to ensure it is not reducing or increasing run times unexpectedly.

6. SPECIFICATIONS

Feature	Specification
Brand	Orbit
Model	94896
Color	Gray
Voltage	12 Volt (AC)
Material	Plastic
Item Weight	1.48 Kilograms
Display Type	LCD
Number of Stations	6
Programs	3 Independent Programs (A, B, C)
Start Times	Up to 8 per program

Rain Sensor Compatibility	Compatible with Orbit 57275 Rain Sensor
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7. WARRANTY INFORMATION

The Orbit 94896 Easy-Set Logic Sprinkler Timer typically comes with a 6-year warranty. Please refer to the product packaging or Orbit's official website for the most current and detailed warranty terms and conditions.

8. SUPPORT

For further assistance, technical support, or to view additional resources, please visit the official Orbit website or contact their customer service department. Contact information can usually be found on the product packaging or the manufacturer's website.