Orbit 94162

Orbit 94162 Buddy Digital Automatic Watering Timer

Model: 94162

INTRODUCTION

The Orbit 94162 Buddy Digital Automatic Watering Timer is designed to automate garden watering tasks, providing consistent irrigation for micro-jets, drip irrigation systems, and garden sprinklers. This manual provides instructions for the proper installation, programming, operation, and maintenance of your watering timer.

PRODUCT OVERVIEW

Figure 1: Front view of the Orbit 94162 Buddy Digital Automatic Watering Timer, showing the digital display, control buttons, and rotary dial.

This digital watering timer features a user-friendly interface with a large LCD display, intuitive control buttons, and a rotary dial for selecting various programming functions. It is equipped with a diaphragm solenoid valve for reliable and long-lasting performance.

INSTALLATION AND SETUP

1. Battery Installation

1. Ensure the timer is in the 'OFF' position.
2. Locate the battery compartment on the back of the timer.
3. Open the compartment and insert two (2) AA alkaline batteries, observing the correct polarity (+/-).
4. Close the battery compartment securely. The display should illuminate.

2. Attaching to Faucet

Figure 2: The watering timer connected to a standard garden faucet with a hose attached.

1. Thread the timer onto any standard outdoor garden faucet. Hand-tighten only. Do not use tools.
2. Attach your garden hose or irrigation system to the outlet of the timer.
3. Turn on the faucet completely. The timer is designed to operate with full water pressure.

Important: When freezing temperatures are expected, timers must be removed from hose faucets to prevent potential freezing damage.

PROGRAMMING AND OPERATION

Figure 3: Close-up view of the timer's rotary dial and digital display, showing various programming options.

The timer features a rotary dial with several settings for easy programming:

- **SET CLOCK:** Adjust the current time.
- **START TIME:** Set the desired time for watering to begin.
- **HOW LONG:** Determine the duration of each watering cycle.
- **HOW OFTEN:** Specify the frequency of watering cycles.
- **AUTO:** Activates the programmed watering schedule.
- **OFF:** Turns off all watering.

1. Set Current Time (SET CLOCK)

1. Turn the dial to 'SET CLOCK'.
2. Use the '+' and '-' buttons to adjust the hour. Press the '+' or '-' button to change the value. Hold the button for faster adjustment.
3. Press the 'MANUAL' button to switch between AM/PM.
4. Use the '+' and '-' buttons to adjust the minutes.
5. Turn the dial to the next setting or 'AUTO' to save.

2. Set Start Time (START TIME)

1. Turn the dial to 'START TIME'.
2. Use the '+' and '-' buttons to set the desired time for watering to begin.
3. Press the 'MANUAL' button to switch between AM/PM.
4. Turn the dial to the next setting or 'AUTO' to save.

3. Set Watering Duration (HOW LONG)

1. Turn the dial to 'HOW LONG'.
2. Use the '+' and '-' buttons to set the watering duration from 1 to 240 minutes.
3. Turn the dial to the next setting or 'AUTO' to save.

4. Set Watering Frequency (HOW OFTEN)

1. Turn the dial to 'HOW OFTEN'.
2. Use the '+' and '-' buttons to set the watering frequency. Options include every 6 hours, every 12 hours, or every 1 to 7 days.
3. Turn the dial to 'AUTO' to save and activate the program.

5. Automatic Operation (AUTO)

Once all settings are programmed, turn the dial to 'AUTO'. The timer will now operate according to your set schedule. The display will show the current time and the next scheduled watering cycle.

6. Manual Operation

To water manually, press the 'MANUAL' button. Use the '+' and '-' buttons to set the desired manual watering duration. Press 'MANUAL' again to start watering. To stop manual watering, press 'MANUAL' again or turn the dial to 'OFF'.

7. Rain Delay

To activate a rain delay, press and hold the '+' button while the dial is in the 'AUTO' position. This will pause the watering schedule for a set period (e.g., 24, 48, 72 hours). Press the '+' button repeatedly to cycle through delay options. The timer will resume its schedule automatically after the delay period.

Maintenance

Battery Replacement

Replace batteries annually or when the low battery indicator appears on the display. Always use fresh AA alkaline batteries. Remove old batteries promptly to prevent leakage.

Cleaning

Clean the exterior of the timer with a damp cloth. Do not use abrasive cleaners or submerge the unit in water.

Winterization

Before the first frost, disconnect the timer from the faucet and drain any remaining water. Store the timer indoors in a dry, protected area where temperatures will not drop below freezing. Removing batteries during storage is recommended.

TROUBLESHOOTING

- **No water flow:**

  - Ensure the faucet is fully open.
  - Check battery levels and replace if necessary.
  - Verify the timer is in 'AUTO' mode or manual watering is activated.
  - Check for debris in the timer's inlet filter.

- **Timer not watering at scheduled time:**

  - Confirm the current time and start time are set correctly.
  - Ensure the timer is in 'AUTO' mode.
  - Check if a rain delay is active.
  - Verify battery power.

- **Leaking from connections:**

  - Ensure all connections are hand-tightened securely.
  - Check the rubber washer inside the timer's inlet for proper seating and damage. Replace if necessary.

- **Display is blank or dim:**

  - Replace batteries with fresh AA alkaline batteries.

SPECIFICATIONS

Brand	Orbit
Model Number	94162
Color	Green
Material	Plastic
Product Dimensions (L x W x H)	7 x 17 x 20.5 cm
Item Weight	400 grams
Power Source	2 x AA Batteries (not included)
Watering Duration	1 to 240 minutes
Watering Frequency	Every 6 hours, 12 hours, or 1 to 7 days
Number of Settings	5 (Set Clock, Start Time, How Long, How Often, Auto/Off)
UPC	05060246190090

WARRANTY INFORMATION

For detailed warranty information, please refer to the manufacturer's official website or the warranty card included with your product packaging. Keep your purchase receipt as proof of purchase for any warranty claims.

CUSTOMER SUPPORT

Should you require technical assistance, have questions regarding product operation, or need to report an issue, please contact Orbit customer support. Contact details can typically be found on the Orbit website or product packaging.