

Zerodis Zerodis8b5yugk063

Zerodis Solar-Powered Automatic Irrigation Timer User Manual

Model: Zerodis8b5yugk063

1. INTRODUCTION

This intelligent digital irrigation controller from Zerodis is designed to provide efficient and automated watering for your garden, plants, and flowers. It helps optimize water usage, reduce manual labor, and ensures your plants receive consistent hydration. Featuring solar power capabilities and an LCD display, this timer offers convenience and flexibility for various watering schedules.

2. PRODUCT OVERVIEW

The Zerodis Automatic Irrigation Timer is a compact and durable device made of plastic, designed for outdoor use. It integrates a solar panel for energy efficiency and a clear LCD display for easy programming.



Figure 2.1: Front view of the irrigation timer, showing the solar panel, LCD screen, and control buttons.



Figure 2.2: Bottom view of the timer, highlighting the hose connection point.



Figure 2.3: Side view of the timer,

illustrating the tap connection point.

3. SPECIFICATIONS

Feature	Specification
Brand	Zerodis
Model Number	Zerodis8b5yugk063
Material	Plastic
Water Connection	21 mm tap with 26.5 mm thread
Hose Connection	13 mm (1/2")
Irrigation Frequency	1-16 times per day, or once every 3 days
Irrigation Time	1 minute (min) to 9 hours 59 minutes (max)
Working Pressure	0-400 Kpa
Water Temperature	0-40 °C
Power Supply	Solar power & 2 x 1.5 V AAA batteries (not included)
Irrigation Medium	Clear, fresh water
Program Options	Single program, multiple programs, common program, cycle program, one day, multiple days
Operation Modes	Auto mode, Manual mode
Weight	285 g

4. PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are present:

- 1 x Zerodis Automatic Irrigation Controller
- 1 x User Manual (this document)
- Necessary connectors for tap and hose (as shown in Figure 4.1)



Figure 4.1: Contents of the package, including the timer unit, various connectors, and the instruction manual.

5. SETUP

1. **Install Batteries:** Open the battery compartment and insert 2 x 1.5V AAA batteries (not included). Ensure correct polarity.
2. **Connect to Tap:** Attach the irrigation controller to your outdoor tap. Use the provided 21 mm connector with a 26.5 mm thread. Ensure a tight, leak-free connection.
3. **Connect Hose:** Connect your garden hose to the 13 mm (1/2") hose connection at the bottom of the controller.
4. **Position Solar Panel:** Ensure the integrated solar panel is exposed to direct sunlight to charge the internal power source. This helps extend battery life.
5. **Initial Test:** Place the solar panel under the sun to test if it functions correctly. The LCD display should activate.



Figure 5.1: The irrigation timer installed on a tap, with a hose connected at the bottom.

6. OPERATING INSTRUCTIONS

The controller features an LCD display and several buttons for programming. Refer to the buttons labeled on the device (SET, TIME, PROG, ON, OFF, and arrow keys).

6.1 Setting the Current Time

1. Press the **TIME** button.
2. Use the arrow keys (▲ / ▼) to adjust the hour. Press **SET** to confirm.
3. Use the arrow keys to adjust the minute. Press **SET** to confirm.

6.2 Programming Watering Schedules

The timer supports up to 16 different programs. You can set single, multiple, common, or cycle programs for specific days or multiple days.

1. Press the **PROG** button to enter programming mode.
2. The display will show '1' for Program 1. Use arrow keys to select a program number (1-16). Press **SET**.

3. **Set Start Time:** Use arrow keys to set the desired start hour and minute for watering. Press **SET** after each.
4. **Set Watering Duration:** Use arrow keys to set the duration (from 1 minute to 9 hours 59 minutes). Press **SET**.
5. **Set Watering Frequency/Days:** Use arrow keys to select the watering frequency (e.g., daily, every 2 days, specific days of the week). Press **SET**.
6. Repeat steps 2-5 for additional programs as needed.

6.3 Manual Operation

To water manually outside of programmed schedules:

1. Press the **ON** button to start watering immediately.
2. To stop manual watering, press the **OFF** button.

6.4 Activating/Deactivating Programs

- To activate all programmed schedules, ensure the timer is in **AUTO** mode (usually indicated on the display).
- To temporarily stop all watering, press the **OFF** button. This will disable all programs until reactivated.

7. MAINTENANCE

- **Clean Filter Screen:** Water may contain impurities. Regularly clean the stainless steel filter screen located at the water inlet to prevent blockages and ensure proper water flow.
- **Battery Replacement:** Replace the AAA batteries when they are near the end of their life or if the display indicates a low battery. This prevents unexpected water spraying or program interruptions.
- **Winter Storage:** During freezing temperatures, disconnect the timer from the tap and store it indoors to prevent damage from ice expansion.
- **Solar Panel Cleaning:** Keep the solar panel clean and free of dirt or debris to ensure optimal charging efficiency.

8. TROUBLESHOOTING

- **Timer Not Turning On / Display Blank:**
Possible Cause: Dead or incorrectly installed batteries. Insufficient solar charging.
Solution: Check battery polarity and replace with fresh AAA batteries. Ensure the solar panel is exposed to direct sunlight.
- **Water Not Flowing / Valve Not Opening:**
Possible Cause: Low battery, blocked filter, incorrect programming, or tap is off.
Solution: Replace batteries. Clean the stainless steel filter screen. Verify your watering program settings. Ensure the main water tap is fully open. If the display shows a low battery indicator, turn off the tap, replace batteries, and reset the watering procedure. If batteries are not replaced, keep the valve permanently off.
- **Water Leaks from Connections:**
Possible Cause: Loose connections, worn washers, or damaged threads.
Solution: Tighten all connections. Check and replace rubber washers if they are worn or damaged. Apply plumbing tape if necessary.
- **Programs Not Running as Expected:**

Possible Cause: Incorrect time setting, overlapping programs, or timer in manual mode.

Solution: Re-check the current time and all program settings. Ensure the timer is in AUTO mode.

9. IMPORTANT NOTES

- Different plants may require different watering procedures. Adjust programs according to your specific plant needs.
- This device is designed for use with clear, fresh water only.
- Do not immerse the unit in water.
- Keep out of reach of children.

10. WARRANTY AND SUPPORT

For any issues or support inquiries, please contact Zerodis customer service. Refer to your purchase documentation for specific warranty details and contact information.