

RAIN 1700057601

Rain Amico Pro 2 2 Zone Control Unit - Instruction Manual

Model: 1700057601

1. INTRODUCTION

The Rain Amico Pro 2 is a sophisticated, battery-operated electronic programmer designed for efficient and automated irrigation control. This unit features a built-in solenoid valve and offers flexible programming options to manage watering schedules for up to two zones. Its user-friendly design includes an illuminated, inclined display for easy reading and programming, and a removable control unit for convenient setup.

2. KEY FEATURES

- **Battery Operated:** Powered by 2 x 1.5 volt AA alkaline batteries for cordless operation.
- **2-Zone Control:** Manages irrigation for two independent zones.
- **Flexible Programming:** Up to 4 cycles per day or 1 cycle per week, with watering times from 1 minute to 240 minutes per loop.
- **Illuminated Display:** 3-inch backlit display with "battery saver" function for clear visibility in various lighting conditions.
- **Removable Control Unit:** Allows for programming the unit in a convenient location away from the valve.
- **Integrated Solenoid Valve:** Built-in for streamlined installation.
- **Protective Cover:** Ensures durability and protection against elements.
- **Low Battery Signal:** Alerts user when battery replacement is needed.

3. PACKAGE CONTENTS

Upon opening the package, please ensure all components are present and undamaged:

- Rain Amico Pro 2 Control Unit with integrated solenoid valve
- Protective cover
- Instruction Manual (this document)

Note: AA alkaline batteries are not included and must be purchased separately.

4. SAFETY INFORMATION

- Do not immerse the control unit in water.
- Use only 1.5V AA alkaline batteries. Do not mix old and new batteries, or different types of batteries.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Keep out of reach of children.
- Ensure proper sealing of the battery housing to prevent water ingress.

5. SETUP AND INSTALLATION

5.1. Inserting Batteries

1. Carefully open the battery housing cover, typically located on the back or side of the removable control unit.
2. Insert two (2) 1.5V AA alkaline batteries, ensuring correct polarity (+/-).
3. Securely close the battery housing cover, ensuring the sealing O-ring is properly seated to maintain water resistance.

5.2. Attaching to Water Source

1. Ensure the water source is turned off.
2. Connect the 3/4" F or 1" F input of the control unit to your water tap or manifold. Hand-tighten only.
3. Connect your irrigation hose or system to the 3/4" M output of the control unit.
4. Once connected, slowly turn on the water source. Check for any leaks.



Image: The Rain Amico Pro 2 Control Unit, showing its clear protective cover, display, and the mounting bracket for attachment to a water source.

6. OPERATING INSTRUCTIONS

The Amico Pro 2 features an intuitive interface for programming. The control unit can be removed from the valve for easier programming.

6.1. Navigating the Display

- Open the protective door to activate the backlit display.
- Use the navigation buttons (e.g., UP, DOWN, SELECT, AUTO/STOP, MANUAL) to move through menus and adjust settings.

6.2. Setting Current Time and Day

1. Access the 'Time/Day' setting in the main menu.

2. Adjust the hour, minute, and current day of the week using the UP/DOWN buttons and confirm with SELECT.

6.3. Programming Watering Schedules

The unit supports one program with flexible start times and durations.

1. Navigate to the 'Program' or 'Schedule' menu.
2. **Set Start Time:** Choose the desired start time for your watering cycle. You can set up to 4 cycles per day.
3. **Set Watering Duration:** For each zone, set the watering duration from 1 minute up to 240 minutes.
4. **Set Watering Frequency:** Select the days of the week for watering (e.g., daily, specific days) or choose a frequency like "every 15 days".
5. Confirm all settings to save the program.

6.4. Manual Operation

- Press the 'MANUAL' button to initiate a manual watering cycle.
- You may be prompted to set a duration for the manual cycle.
- Press 'AUTO/STOP' to stop manual watering or to return to automatic mode.

6.5. Auto/Stop Function

- Press 'AUTO/STOP' to toggle between automatic watering mode and stopping all watering.
- In automatic mode, the display will show the next scheduled watering time.

7. MAINTENANCE

7.1. Battery Replacement

When the low battery signal appears on the display, replace the batteries promptly to ensure continuous operation.

1. Open the battery compartment.
2. Remove the old batteries and dispose of them responsibly.
3. Insert two new 1.5V AA alkaline batteries, observing polarity.
4. Close the battery compartment securely, ensuring the O-ring seal is intact.

7.2. Cleaning

Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the display and buttons are free from dirt and debris.

7.3. Winterization

Before the first frost, disconnect the unit from the water source, remove the batteries, and store the unit indoors in a dry, frost-free location.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on / Display is blank.	Dead or incorrectly inserted batteries.	Replace batteries with new 1.5V AA alkaline batteries. Check polarity.
No water flow.	Water source is off; Unit is not in AUTO mode; Program not set correctly; Clogged filter.	Ensure water tap is fully open. Press AUTO/STOP button. Verify program settings. Check and clean any internal filters.
Watering starts at wrong time or not at all.	Incorrect current time/day setting; Incorrect program start time/frequency.	Adjust current time and day. Review and correct program start times and watering frequency.
Water leaks from connections.	Loose connections; Damaged O-rings/washers.	Ensure all connections are hand-tight. Check and replace any worn O-rings or washers.

9. TECHNICAL SPECIFICATIONS

- **Model:** Rain Amico Pro 2
- **Part Number:** 1700057601
- **Number of Zones:** 2
- **Input Connection:** 3/4" F and 1" F
- **Output Connection:** 3/4" M
- **Power Source:** 2 x 1.5V AA Alkaline Batteries (not included)
- **Watering Duration:** 1 minute to 240 minutes per loop
- **Watering Cycles:** Up to 4 cycles per day, or minimum 1 departure every 15 days
- **Display:** 3" Backlit LCD with battery saver function
- **Material:** ABS

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Manufacturer: RAIN

For further assistance, please visit the official RAIN website or contact their customer support channels.