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Aqua Control Q2000

Aqua Control Digital Irrigation Programmer Q2000 User Manual

Model: Q2000

INTRODUCTION

The Aqua Control Digital Irrigation Programmer with Latch Solenoid Valve Q2000 is designed to automate your garden, vegetable patch, courtyard, or terrace irrigation. This system eliminates the need for extensive wiring for underground irrigation, offering a reliable and efficient solution for watering your plants. It features two independent programming schedules and is powered by batteries for flexible placement.



Image: The Aqua Control Digital Irrigation Programmer Q2000 connected to its latch solenoid valve, showcasing the complete unit.

PRODUCT OVERVIEW AND FEATURES

The Q2000 system comprises a digital programmer unit and a latch solenoid valve. Key features include:

- **Two Independent Programs (A and B):** Allows for separate irrigation schedules for different zones or plant types.
- **Multiple Daily Starts:** Each program can be configured with up to 4 daily irrigation starts.
- **Flexible Duration:** Irrigation duration can be set up to a maximum of 240 minutes per start.
- **Frequency Modes:**
 - **Mode 1:** Select specific days of the week for irrigation.
 - **Mode 2:** Set irrigation to occur every X days.
- **Rain Sensor Option:** Compatible with an external rain sensor (not included) to prevent unnecessary watering during rainfall.
- **Battery Powered:** Operates on 2 AAA alkaline 1.5V batteries (not included), housed in a waterproof compartment for protection.
- **"Auto" Mode:** Quickly reuses existing programming settings for convenience.



Image: Close-up view of the digital programmer's control panel and display, highlighting the buttons for setting time, programs, and modes.

SETUP

1. Battery Installation

1. Locate the battery compartment on the programmer unit.
2. Carefully open the waterproof cover.
3. Insert 2 new AAA alkaline 1.5V batteries, ensuring correct polarity (+/-). Batteries are not included.
4. Securely close the waterproof cover to prevent water ingress.



Image: Packaging detail indicating battery requirements (2x AAA 1.5V, not included) and other product specifications.

2. Physical Installation

The Aqua Control Q2000 is designed for integration with underground irrigation systems, often within a valve box or pit.

1. Connect the latch solenoid valve to your irrigation mainline. Ensure proper flow direction as indicated on the valve body.
2. Connect the programmer unit to the solenoid valve using the provided wiring.
3. Position the programmer and valve securely within a suitable valve box or pit, ensuring the programmer's display is accessible for programming and monitoring.
4. Verify all connections are watertight to prevent leaks.

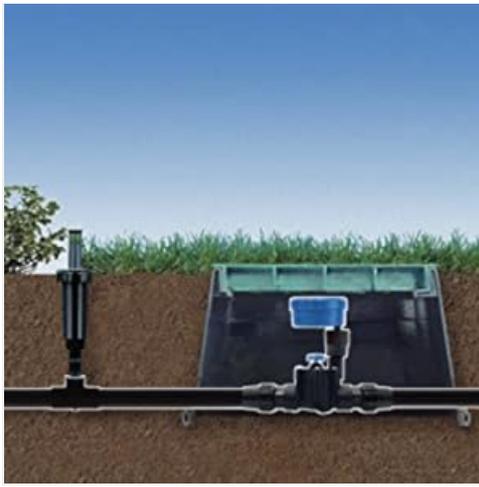


Image: Illustrative diagram showing the Q2000 programmer and valve installed underground within an irrigation system, typically in a valve box.

OPERATING INSTRUCTIONS

The Q2000 programmer allows for detailed customization of your irrigation schedule.

Basic Controls:

- **SET Button:** Enters programming mode and moves between settings.
- **+/- Buttons:** Adjust values (time, duration, frequency).
- **OK Button:** Confirms selections.
- **AUTO/OFF Button:** Toggles between automatic operation and manual off.
- **Clock Button:** Used for setting current time.
- **Play/Pause Button:** Manually starts or stops irrigation.

Programming an Irrigation Schedule:

1. Press the **SET** button to enter programming mode.
2. Use the **+/-** buttons to select either Program A or Program B. Press **OK** to confirm.
3. **Set Current Time:** If not already set, use the Clock button and **+/-** to set the current time and day.
4. **Set Start Time:** Use **SET** to navigate to the start time setting. Adjust the desired start time using **+/-** and confirm with **OK**. Up to 4 start times can be set per program.
5. **Set Duration:** Navigate to the duration setting. Adjust the watering duration (in minutes, up to 240) using **+/-** and confirm with **OK**.
6. **Set Frequency:**
 - **Mode 1 (Days of Week):** Select the specific days you want irrigation to occur (e.g., Monday, Wednesday, Friday). Confirm with **OK**.
 - **Mode 2 (Every X Days):** Set the interval (e.g., every 2 days, every 3 days). Confirm with **OK**.
7. Repeat for any additional start times within the selected program.
8. Once all settings are complete, ensure the programmer is in **AUTO** mode for automatic operation.

Rain Sensor Functionality:

If an optional rain sensor is connected (not included), the system will automatically pause irrigation cycles when rain is detected, conserving water. Refer to the rain sensor's manual for installation and connection instructions.

MAINTENANCE

- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on the display. Always use new AAA alkaline 1.5V batteries.
- **Cleaning:** Periodically clean the programmer's display and buttons with a soft, damp cloth. Do not use abrasive cleaners.
- **Winterization:** In regions with freezing temperatures, it is recommended to remove the programmer and valve from the irrigation system before the first frost. Drain any water from the valve and store the unit in a dry, frost-free location to prevent damage.
- **Valve Inspection:** Periodically check the solenoid valve for any debris or blockages that might affect water flow.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Programmer display is blank or dim.	Dead or low batteries.	Replace with new AAA alkaline 1.5V batteries.
Irrigation does not start.	<ul style="list-style-type: none">• Programmer is in OFF mode.• Incorrect programming (start time, duration, frequency).• Low water pressure.• Solenoid valve malfunction.• Rain sensor activated (if connected).	<ul style="list-style-type: none">• Ensure programmer is in AUTO mode.• Review and adjust programming settings.• Check water supply and pressure. This product may not function optimally at very low pressures.• Inspect solenoid valve for debris or damage.• Check rain sensor status; if wet, wait for it to dry or bypass it for testing.
Irrigation runs continuously.	<ul style="list-style-type: none">• Solenoid valve stuck open.• Programming error (very long duration).	<ul style="list-style-type: none">• Turn programmer to OFF mode. Inspect and clean or replace solenoid valve.• Review and correct irrigation duration settings.
Water leakage from valve.	<ul style="list-style-type: none">• Loose connections.• Damaged valve seals or housing.	<ul style="list-style-type: none">• Tighten all connections.• Inspect valve for cracks or worn seals; replace valve if damaged.

SPECIFICATIONS

Model Number	Q2000
Dimensions (L x W x H)	15 x 10 x 22 cm
Weight	625 grams
Power Source	2 x AAA Alkaline 1.5V batteries (not included)
Operating Voltage	1.5 Volts
Max Flow Rate	0-94.5 liters/minute (0-5.67 m ³ /hour)

Operating Pressure	0.35 - 17.24 bar
Operating Temperature	4 - 53 °C
Color	Black
Manufacturer	Altadex

WARRANTY AND SUPPORT

Specific warranty information for the Aqua Control Digital Irrigation Programmer Q2000 is not provided in the available product details. For warranty claims, technical support, or further assistance, please contact Aqua Control customer service or refer to the documentation included with your purchase.

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Related Documents - Q2000

	<p>Manuale Utente Claber Aqua-Magic System 8063 Guida all'installazione, configurazione e utilizzo del Claber Aqua-Magic System, un kit automatico a goccia alimentato a energia solare per giardini e vasi.</p>
	<p>Melnor Electronic Aqua Timer Model 3050: Operating Instructions and Warranty Comprehensive operating instructions for the Melnor Electronic Aqua Timer Model 3050, covering setup, programming watering schedules, manual operation, and warranty information.</p>
	<p>Hozelock AC1 Aqua Control 1 Water Timer Quick Reference Guide Quick reference guide for the Hozelock AC1 Aqua Control 1 Water Timer, providing instructions for installation, programming automatic and manual watering, maintenance, and troubleshooting.</p>
	<p>Aqua Control C4111 Digital Water Timer: Setup, Programming, and User Guide A comprehensive guide to the Aqua Control C4111 digital water timer, covering installation, programming steps, special functions like delay and manual watering, technical specifications, important precautions, and troubleshooting tips.</p>

 <p>Double outlet Solar intelligent timed water valve controller - WiFi Operación e instalación Model: LYAI-10</p>	<p>Solar Intelligent Timed Water Valve Controller - Model LYAI-10 WiFi & App Control</p> <p>User manual and operation instructions for the Solar Intelligent Timed Water Valve Controller (Model LYAI-10). Features WiFi connectivity, APP control via 'Smart Life', photovoltaic charging, and automatic irrigation for gardens and courtyards.</p>
 <p>Tempo myAquaSolar Instruction manual</p>	<p>Claber Tempo myAquaSolar 8497 Instruction Manual - Smart Solar Watering Timer</p> <p>Detailed instruction manual for the Claber Tempo myAquaSolar 8497, a solar-powered smart water timer. Learn how to install, set up, operate, and maintain your device using the myAquaSolar app and Bluetooth connectivity. Includes technical specifications, troubleshooting, and warranty information.</p>

Documents - Aqua Control – Q2000



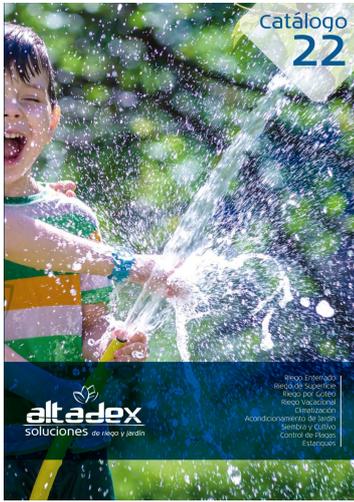
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