Galcon GAEDS2U0258

Galcon 8118 AC-GQ8 8-Station Indoor Controller User Manual

Model: GAEDS2U0258

INTRODUCTION

The Galcon 8118 AC-GQ8 is an advanced indoor irrigation and low voltage lighting controller designed for efficient management of your watering and lighting systems. This controller supports up to 8 stations, configurable as 8 irrigation zones or 7 irrigation zones plus 1 low voltage lighting zone. It offers flexible programming options including daily, odd, even, and cyclic schedules, along with a dedicated program for low voltage applications.

Image: The Galcon 8118 AC-GQ8 controller, showing its grey casing, control panel with LCD display, and a protective cover.

SETUP AND INSTALLATION

This section provides instructions for the proper setup and installation of your Galcon 8118 AC-GQ8 controller.

Mounting the Controller

- Select a suitable indoor location away from direct sunlight, extreme temperatures, and moisture.
- Ensure the location allows for easy access to a standard electrical outlet and irrigation valve wiring.
- Use appropriate screws to securely mount the controller to a wall.

Wiring Connections

- **Power Connection:** Connect the controller to a standard AC power outlet.
- **Valve Wiring:** Connect each irrigation valve's common wire to the controller's common terminal (C). Connect

each individual valve's hot wire to its corresponding station terminal (1-8).

- **Master Valve/Pump Start Relay (Optional):** If using a master valve or pump start relay, connect its common wire to the common terminal and its hot wire to the designated master valve terminal (M).
- **Sensor Input (Optional):** The controller supports various sensors (rain, temperature, wind, soil). Connect sensor wires to the dedicated sensor terminals as per the sensor's instructions.
- **Low Voltage Lighting (Optional):** For low voltage lighting applications, a separate relay is required (not included). Connect the relay to the designated low voltage output terminal (X) and common.

Ensure all connections are secure and insulated to prevent short circuits.

OPERATING INSTRUCTIONS

This section details how to program and operate your Galcon 8118 AC-GQ8 controller for irrigation and low voltage lighting.

Setting the Current Time and Date

- Rotate the dial to the "SET CLOCK" position.
- Use the arrow buttons to adjust the time and date.
- Press "ENTER" or rotate the dial to save settings.

Programming Irrigation Programs (A, B, C)

The controller offers three independent irrigation programs (A, B, C) with flexible scheduling options.

1. **Select Program:** Rotate the dial to "PROGRAM A", "PROGRAM B", or "PROGRAM C".
2. **Set Start Times:** Each program can have up to 4 start times. Rotate the dial to "START TIME" and use arrow buttons to set.
3. **Set Station Run Times:** Rotate the dial to "RUN TIME". Select each station (1-8) and set its irrigation duration from 1 minute to 4 hours.
4. **Set Watering Days:** Rotate the dial to "WATERING DAYS". Choose from:

   - **Daily:** Select specific days of the week.
   - **Odd:** Waters on odd-numbered days.
   - **Even:** Waters on even-numbered days.
   - **Cyclic:** Waters every 1 to 31 days. Set the cycle length.

Seasonal Adjustment

Adjust all program run times simultaneously from 10% to 190% of their set duration.

- Rotate the dial to "SEASONAL ADJUST".
- Use arrow buttons to set the desired percentage.

Rain Delay Function

Temporarily suspend irrigation for up to 240 days.

- Rotate the dial to "RAIN DELAY".
- Use arrow buttons to set the number of delay days.

Low Voltage Lighting Program (X)

This program operates independently of irrigation schedules.

- Rotate the dial to "PROGRAM X".
- Set the desired ON/OFF times for the low voltage lighting.

Manual Operation / **System Test**

To manually run a station or test the system:

- Rotate the dial to "MANUAL".
- Select the desired station and set its run time.
- The controller will activate the selected station immediately.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your controller.

- **Cleaning:** Wipe the controller's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Power Supply:** Ensure the power supply is stable. In areas prone to power surges, consider using a surge protector.
- **Battery Backup:** The controller may use a 9V battery for program retention during power outages. Check and replace the battery annually or as needed.
- **Wiring Inspection:** Periodically inspect all wiring connections for corrosion or damage.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Galcon 8118 AC-GQ8 controller.

Problem	Possible Cause	Solution
Controller display is blank.	No power, faulty transformer, or dead backup battery.	Check power outlet and transformer. Replace 9V backup battery.
Stations not watering.	Rain delay active, program not set, faulty wiring, or valve issues.	Check if rain delay is active. Verify program settings and start times. Inspect wiring to valves. Manually test valves.
Specific station not watering.	Faulty wiring to that station, defective valve solenoid, or station not enabled in program.	Check wiring for the specific station. Test the valve solenoid. Ensure the station is enabled and has a run time in the active program.
Low voltage lighting not activating.	Program X not set, external relay issue, or wiring problem.	Verify Program X settings. Check the external relay and its connections. Inspect wiring to the lighting system.

If issues persist after following these steps, contact Galcon customer support.

SPECIFICATIONS

- **Model Number:** GAEDS2U0258
- **Number of Stations:** 8 (7 irrigation + 1 low voltage lighting, or 8 irrigation)
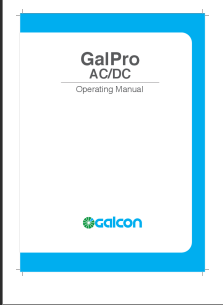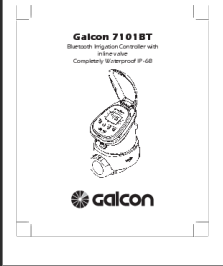- **Programs:** 3 (A, B, C) for irrigation, 1 (X) for low voltage lighting

- **Start Times per Program:** Up to 4
- **Irrigation Duration:** 1 minute to 4 hours
- **Cyclic Watering:** Every 1 to 31 days
- **Seasonal Adjustment:** 10% to 190%
- **Rain Delay:** Up to 240 days
- **Sensor Input:** Compatible with rain, temperature, wind, soil sensors
- **Power Source:** AC (details not specified, assuming standard household current)
- **Battery:** 1 x 9V battery required (for program retention)
- **Product Dimensions:** 6.1 x 19.81 x 25.65 cm
- **Item Weight:** 680.39 g (1.5 Pounds)
- **Display Type:** LCD or LED
- **Color:** Grey
- **Manufacturer:** Galcon

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the official Galcon website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims. **Galcon Contact Information:** Please visit www.galcon.co.il for the most up-to-date support resources and contact details.

Related Documents - GAEDS2U0258

[Pairing Your Smartphone with Galcon Controllers - Galcon BT App Guide](#)
Comprehensive guide for pairing your smartphone with Galcon irrigation controllers using the Galcon BT app. Includes step-by-step instructions, troubleshooting tips, and controller reset procedures for models like 9001BT, 7101BT, 11000BT, 6100BT, and 8000BT.

[GalPro AC/DC Operating Manual: Efficient Irrigation and Fertilization Control](#)
Discover the Galcon GalPro AC/DC controller, an advanced irrigation and fertilization management system for agriculture. This manual details installation, setup, programming, and operation for optimal field performance.

[Galcon 7101BT Bluetooth Irrigation Controller Manual](#)
User manual for the Galcon 7101BT Bluetooth Irrigation Controller with inline valve. Includes setup, programming, troubleshooting, maintenance, and warranty information.

	Galcon 7001D Computerized Irrigation Controller Installation and Operating Instructions Comprehensive guide for installing and operating the Galcon 7001D computerized irrigation controller, covering parts identification, setup, programming (weekly and cyclical), manual operation, suspension, error messages, and maintenance.
Galcon 7001D Computerized Irrigation Controller Installation and Operating Instructions ❀ galcon	**Galcon 7001D Computerized Irrigation Controller: Installation and Operating Guide** Detailed guide for the Galcon 7001D Computerized Irrigation Controller, covering installation, programming, operation, maintenance, and warranty. Learn to set up and manage your irrigation system efficiently.
G.S.I AC Controller Installation & User Guide ❀galcon	**Galcon G.S.I AC Controller Installation and User Guide** Comprehensive guide for installing and operating the Galcon G.S.I AC Controller, including setup, programming, and troubleshooting.