

manuals.plus /

› [Irritrol](#) /

› [Irritrol Rain Dial RD1200-EXT-R 12 Station Outdoor Irrigation Controller User Manual](#)

Irritrol RD1200-EXT-R

Irritrol Rain Dial RD1200-EXT-R User Manual

Model: **RD1200-EXT-R** | Brand: **Irritrol**

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Irritrol Rain Dial RD1200-EXT-R 12 Station Outdoor Irrigation Controller. Designed for efficient and reliable lawn and garden watering, this controller offers advanced features to manage your irrigation system effectively.



Image: Irritrol Rain Dial RD1200-EXT-R 12 Station Outdoor Irrigation Controller, showing its gray casing with blue and white branding.

Key Features:

- **Climate Logic ready:** Automatically reschedules watering based on weather conditions.
- **Remote CONTROL ready:** Compatible with CRR (Contractor Residential Remote) remote series for convenient operation.
- **Maximum output per station:** 24 Volt AC, 0.5 amps.
- **Rain sensor ready:** Features a sensor bypass switch and dedicated terminal for sensor hookup.
- **Three independent programs:** Offers programming flexibility to suit diverse plant material needs.
- **Water well recovery (delay between stations):** Provides an option to keep the pump circuit ON or OFF during the delay.

SETUP AND INSTALLATION

Before beginning installation, ensure you have all necessary tools and components. It is crucial to disconnect power to the unit before handling any wiring.

1. Locating and Accessing the Controller:

Locate your Rain Dial system, typically found on the side of the house or in a garage. Carefully open the controller's

housing.

Your browser does not support the video tag.

Video: Demonstrates the process of removing the Irritrol Rain Dial timer and its terminal board, including disconnecting wiring and isolating power.

3. Disconnecting the Controller Module:

1. Once the housing is open, perform a visual inspection for any signs of water damage or corrosion.
2. The timer module is connected via a 16 to 20 pin ribbon cable. Gently pull this cable out to disconnect the module.
3. Remove the timer module itself. Note that the two snap-in hinges remain with the gray case.

3. Removing the Terminal Wiring Board:

1. Before removing the terminal board, *it is critical to turn off power to the unit at your circuit breaker panel*
2. Identify the four Phillips head screws that secure the terminal wiring board. Use a Phillips screwdriver to loosen and remove these screws.
3. **Important:** Take a digital photo or label all wire connections before disconnecting them to ensure correct reinstallation.
4. Carefully disconnect the 24 Volt AC (VAC) connections. To isolate these wires, you can either:
 - Apply electrical tape to the copper ends.
 - Use electrical nuts to cap the ends.

OPERATING THE CONTROLLER

The Irritrol Rain Dial RD1200-EXT-R features an intuitive interface for programming and managing your irrigation schedules. Refer to the quick reference card or the full user guide for detailed programming steps.

Basic Operation:

- **Setting Programs:** Utilize the three independent programs (A, B, C) to create customized watering schedules for different zones or plant types.
- **Adjusting Run Times:** Set specific run times for each station within your programs.
- **Seasonal Adjustments:** Leverage the Climate Logic readiness to automatically adjust watering based on local weather conditions, optimizing water usage.
- **Manual Operation:** The controller supports manual operation for immediate watering needs.
- **Rain Sensor Integration:** If a rain sensor is connected, the system will automatically suspend watering during rainfall. Use the bypass switch if manual override is required.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your irrigation controller.

- **Regular Inspection:** Periodically inspect the controller's housing and internal components for any signs of moisture, insect infestation, or physical damage.
- **Cleanliness:** Keep the controller clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Wiring Check:** Annually check all wiring connections to ensure they are secure and free from corrosion.
- **Battery Backup:** If your model includes a battery backup, check and replace batteries as recommended by the manufacturer to retain programming during power outages.
- **Winterization:** In colder climates, follow proper winterization procedures for your entire irrigation system, including the controller, to prevent freeze damage.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Irritrol Rain Dial controller.

Problem	Possible Cause	Solution
Controller not powering on.	No power supply; tripped circuit breaker; faulty transformer.	Check the circuit breaker at your main panel. Ensure the power cord is securely plugged in. Verify the transformer is functioning correctly.
Zones not watering.	Rain sensor activated; programming error; faulty solenoid/valve; wiring issue.	Check if the rain sensor is active or bypassed. Review your programming for correct start times and run durations. Inspect wiring connections to the valves. Test solenoids.
Display is blank or erratic.	Power issue; internal module problem.	Verify power supply. If the issue persists after checking power, the internal module may require service or replacement.
Water damage or corrosion inside unit.	Improper sealing; exposure to elements.	Immediately disconnect power. Allow the unit to dry completely. Inspect for damaged components. Professional repair or replacement may be necessary.

For issues not covered here or if troubleshooting steps do not resolve the problem, please contact a qualified irrigation technician or Irritrol customer support.

SPECIFICATIONS

Attribute	Detail
Brand	Irritrol
Model Number	RD1200-EXT-R
Display Type	LCD
UPC	090258051718
Manufacturer	Irritrol
Product Dimensions	7.75 x 4 x 10.75 inches
Item Weight	4 pounds
Color	grey
Voltage	24 Volts
Material	Plastic

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Irritrol warranty statement provided with your product or visit the manufacturer's website. Keep your proof of purchase for warranty claims.
An official user guide in PDF format is available for more in-depth information:

[Download User Guide \(PDF\)](#)

For technical support or service inquiries, please contact Irritrol customer service directly.