



The Right Choice in Controllers: ESP Modular



Designed with your growing landscape needs in mind, the ESP Modular controller is flexible, simple to use and Rain Bird reliable.

Outstanding Features:

- Modular stations allow you to flexibly add more irrigation zones as your landscape grows. Easily upgrade with the addition of 3-station modules up to 13 stations.
- Large LCD with real-time text messages makes this controller extra simple to use.
- Built-in lithium battery preserves date and time for up to 6 months without power and non-volatile memory preserves watering schedules indefinitely.
- Unique Auxiliary Station™ allows you to water even when rain has temporarily suspended the controller from watering. Ideal for watering under covered patios.
- 3 programs, 4 start times, 365-day calendar with 4 irrigation cycles to meet all your watering schedule needs and compliance.

For more information see: <http://www.rainbird.com/landscape/products/controllers/ESPmodular.htm>

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The ESP-Modular Controller

Maximize Your Productivity

A member of the popular ESP family of controllers, the ESP-Modular is designed to maximize your productivity by saving you time and money. The large, easy to read display and intuitive programming sequence make this the most user-friendly controller in its class. The spacious cabinet and terminal locations make installation and wire-up a snap. And features like the Contractor Default™ program make service calls more efficient and earn you more money by taking less time! The ESP-Modular: Maximizing your Productivity.

Features

- ESP Programming: Extra-Simple Programming with large numbers and text in the LCD to aid user programming
- Three independent programs with 4 start times each for a total of 12 start times
- Four station base model with the capacity to receive plug-in station modules of three stations each allows the controller to expand from 4 to 13 stations
- Hot swappable modules can be installed while in operation and in any position
- Station 13, called an "Auxiliary Station™" can bypass an active sensor to allow watering even if the other stations are disabled or can operate as a normal station
- Contractor Default™ setting allows the contractor to set his own default program and can be accessed with the push of a button. Useful in easily restoring a schedule that has been altered by a homeowner or to replace a temporary schedule for new seed or sod
- 5-year lithium battery maintains time and date during a power outage.
- 365-day calendar with leap year intelligence means that you can set an "Odd" or "Even" day watering schedule and not worry about changing the date on leap years
- Four irrigation cycle modes for maximum flexibility and compliance to all major watering restrictions (Custom 7-day calendar, 1-31 day cycle and odd/even cycles)
- Non-volatile memory maintains the irrigation schedule indefinitely during a power outage
- Permanent day off feature prevents watering on any day of the week in any cycle mode
- Global Season Adjust (0-200%) allows the user to alter the run time of all the valves in every program with the push of a button

- Dedicated sensor terminals allow the user to easily connect a sensor to the controller for maximum water efficiency. A light (LED) and a message on the LCD indicates when a sensor is active
- Sensor bypass switch allows the user to override an active sensor
- Diagnostic self-setting circuit breaker identifies a valve or wire fault and continues to water operable stations
- Enhanced Diagnostic Feedback™ alerts the user to programming errors and other conditions that may render a schedule inoperable
- "Valve Test Terminal" allows the installer to test the valve wires during installation to determine the valve that each wire is connected to
- Master valve/pump start circuit programmable by station allows operation of connected pump as needed.
- Programmable Delay between station feature allows additional time between zones for water well recovery or slow closing valves
- Spacious heavy-duty cabinet with internal junction box provides lots of room for wiring and eliminates the need to purchase an external j-box for a clean and professional looking installation. Outdoor model comes with key-locking cabinet
- Remote ready connector enables the controller to be used with RM1 and RMX1 remote control systems where available.

Operating Specs

- Station timing: 0 to 6 hours for all stations
- Automatic Starts: 4 start times per program on the quarter hour for up to a total of 12 start times per day if using all three programs
- Independent programming schedules:
 - *Custom* (water by day of the week)
 - *Odd* (water on odd days of the month except 31st or 29th if leap year)
 - *Even* (water on even days of the month)
 - *Cyclic* (1-31 days: Water from every other day to once every 31 days)



Electrical Specifications

- Input required: 230VAC/240VAC ± 20%, 50Hz.
- Output: 25.5 VAC 1A
- Surge Protection: Primary input side has 2 built in MOVs (metal oxide varistors) to protect microcircuitry. Output side has 2 built in MOVs for each valve station.
- Power back-up: Lithium coin-cell battery maintains time and date while non volatile memory maintains the schedule
- Multi-valve station capacity: Up to two 24 VAC, 7VA solenoid valves per station plus a master valve

Dimensions

- Width: 27.2 cm
- Height: 19.5 cm
- Depth: 11.2 cm

Models

- ESP-4M: 4 station outdoor model*
 - ESP-SM3: 3-station module
- *Available in 230VAC and 240VAC models.