

Ec Controller

The Compact Controller for New Residential Landscapes

Incorporating E Class technology for field proven reliability, the Ec controller is designed for new residential landscapes. With the preset watering schedule options, including one for the establishment of new lawn, programming is quick and simple. The sleek compact design installs fast and, with programmability under battery power, can even be setup months prior to AC hookup to the job site. And with three independent programs the Ec provides versatile irrigation control for lawn, shrub, and even drip irrigation.

Features

- Preset Schedules for quick and simple set-up of common watering schedules
- Programmable under battery power for programming prior to installation or AC hookup
- Easy to follow installation, programming and operation
- English and Spanish manual
- Test Program (1-10 min. all stations) for system operational testing
- Battery backup for memory and time protection, in case of power outage (battery included)
- Default program in case a power outage outlasts the memory protection (The default program automatically clears itself when the controller is reprogrammed.)
- Flashing LCD (in AUTO setting) to indicate operation under default program
- Electrical surge protection (input) for reliability
- Diagnostic circuit breaker without a fuse identifies a station with valve or wire fault and continues to water operable station
- Safety listings: UL, CUL, CSA, CE, FCC, C-Tick
- Year 2000 compliant
- Toll-free Technical Service
- Three year warranty.
- Three programs (A, B, and C), with independent cycles, allow mixed irrigation applications
- 365-day calendar for ODD or EVEN day watering or ODD-with-31st-of-the-month-off selection per program (adjusts for leap-year)

- Repeating day cycles, allow irrigation every 1, 2, 3, 4-days, etc. up through 7. (In the 7-day weekly cycle any day can be set ON or OFF as a watering day.)
- Global Water Budget for seasonal adjustments
- Manual "clear" function allows manual erasure of all programs
- Auto-sensing a.m./p.m. or 24-hour-format time display mode

Operating Specifications

- Programming schedule options: ODD day/date watering (per program), EVEN day/date watering (per program), 1 through 6-day repeating cycle (per program), 7-day weekly cycle with any day ON or OFF setting, and ODD less 31st day of the month watering.
- Station Timing: 0 to 240 minutes in 1-minute increments
- Automatic starts per water day: 12 start times (4 per program per day)
- Water Budgeting: 10%-200% in 10% increments

Electrical Specifications

- Input required: 117 VAC ± 10%, 60 Hz (230 VAC international models available)
- Output 24 VAC @ 0.65A
- Valve capacity: One 24 VAC solenoid valve per station plus a master valve
- Terminal strip capacity: accepts #20, #18, or #16 AWG (0,813 mm, 1,22 mm, or 1,63 mm) size valve wire

Dimensions

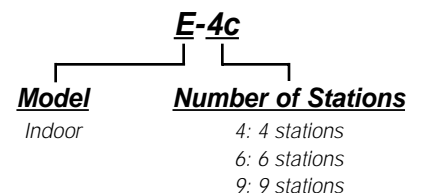
- Width: 6½" (16,5 cm)
- Height: 5⅝" (14,2 cm)
- Depth: 1⅞" (4,0 cm)

Models

- E-4c: 4 station, indoor
- E-6c: 6 station, indoor
- E-9c: 9 station, indoor



How to Specify





Specifications

The controller shall be of a hybrid type that combines electromechanical and micro-electronic circuitry capable of automatic, semi-automatic, and manual operation. The controller shall be housed in a wall-mountable, plastic cabinet for indoor installation.

The controller shall have _____ stations, each with an operating time range of 0 to 240 minutes in 1-minute increments. The controller shall have a range of repeating, watering day cycles of 1, 2, 3, 4, 5, and 6 days. The controller shall also have a 7-day (weekly) cycle with each day within the cycle adjustable to ON or OFF as a watering day. The controller shall also have a 365-day calendar to provide each program the option of watering only on ODD or EVEN numbered days. The controller shall have an optional ODD day schedule that allows the 31st of any month (and the 29th of February during a leap year) to be a non-water day.

The controller shall have three independent programs which shall be capable of differing watering days, start times, station assignments, and station operating time lengths. The stations shall be assignable to any combination of programs. Each program shall have four (4) start times available per water day. The controller shall be capable of operating one (1) 24 VAC solenoid valve per station plus a master valve or remote pump start relay.

The controller shall have a global water budget feature, adjustable in increments of 10% from 10% up to 200% of the actual time set on the program's stations.

The controller shall be Year 2000 compliant.

The controller shall have a Preset Schedules option for quick and simple set-up of common watering schedules.

The controller shall have a TEST program to provide an "all-stations" semi-automatic run adjustable from 1 to 10 minutes for the stations. The TEST program shall skip stations that have zero time settings in the automatic mode and shall not affect the automatic mode time length setting for any station.

The controller shall present the time/date in the AM/PM, 12-hour mode with the date in the month/day/year format when powered by a 60 Hz input, or in the 24-hour mode with the day/month/year format when powered by a 50 Hz input.

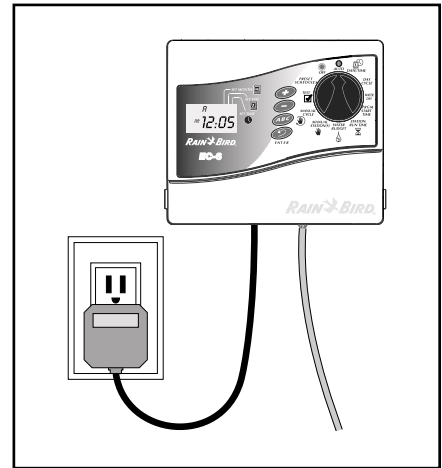
The controller shall have an automatic circuit breaker that shall detect a "short circuit" or an electrical overload on any station. The controller shall identify the first "shorted" station and skip it to continue the watering cycle. The controller shall alternately indicate the problem station in the display and the currently operating station.

The controller shall use an alkaline 9V battery (included) to maintain the current time, date and the user's program in the absence of AC power. The controller shall be programmable under battery power.

The controller shall have a default program as a backup for its memory retention system. The LCD shall flash (in the AUTO setting) to indicate operation under the default program.

The controller shall be listed with the following regulatory agencies: UL, CUL, CSA, CE, FCC and C-Tick.

The controller shall be as manufactured by Rain Bird Sprinkler Mfg. Corp., Glendora, California.



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