



TECH SPECS

ESP-Si Series Controllers

Extra-Simple Programming and Easy Installation

Incorporating all the proven features of the ESP Series, the ESP-Si family of hybrid controllers is a prime example of making a good thing better. With their slim line cabinets, ESP-Si controllers are as attractive to look at as they are simple to use.

And, they boast a number of water-saving features simply not found on competitively priced units. Dual programming eliminates over watering one area in order to maintain another. Watering time flexibility is further enhanced by two-, three- and five-day fixed watering cycles or a seven-day variable cycle. Best of all, water budgeting can alter all watering times from 10 to 200 percent-with just a single touch.

The ESP-Si Series from Rain Bird®. Simplicity at its finest.

Features

- ESP Extra-Simple Programming
- Two independent programs (A and B)
- "Flip Strip" terminal strip permits valve wire hookup without screws
- Wiring skirt for clean looking, professional installation
- System water budgeting makes seasonal adjustments quick and easy
- Precise station timing in 1-minute increments
- Programmable day-of-week watering schedule
- Independent dual programming
- Easy-to-understand AM/PM clock
- Self-prompting alphanumeric liquid crystal display (LCD)
- 1A external plug-in style transformer
- Slim, indoor cabinet
- Manual start/advance capability for semiautomatic operation
- Mounting screws provided
- Large, high contrast LCD
- Remote ready connector (station sequencing operation) compatible with Rain Bird's remoter receiver.

Operating Specifications

- Station timing: 0-99 minutes (in 1-minute increments); 0-198 minutes with water budgeting
- Automatic starts: 3 per day for each program (6 per day when using dual program capability)
- Programming schedule: 2-, 3- or 5-day fixed cycle or 7-day variable cycle
- Water budgeting: 10-200% in 10% increments

Electrical Specifications

- Input required: 117 VAC @ 1A, 60 Hz
- Output 24 VAC, 1A
- Overload fuse: 1A (spare fuse provided in access cover)
- Surge protection: Primary input side has built-in MOV (metal oxide varistor) to protect microcircuitry. Output side has 1 built-in MOV for each valve station. A grounding wire for output surge protection system is provided
- Battery backup: A 3V lithium coin cell battery maintains program memory up to several months and keeps timing accuracy during a power outage (battery included with controller)
- Default program: After prolonged power interruption, each station waters 10 minutes beginning 8 hours after power resumes—once per day for the 7-day custom cycle or on the first day of the 2-, 3- or 5-day fixed cycle
- Multi-valve station capacity: Up to two 24 VAC, 7VA solenoid valves per station, plus a master valve

Dimensions

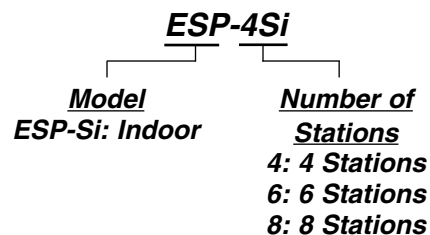
- Width: 7" (17,8 cm)
- Height: 8 ¼" (21 cm)
- Depth: 2 ¼" (5,7 cm)



Models

- ESP-4Si: 4 stations
- ESP-6Si: 6 stations
- ESP-8Si: 8 stations

How to Specify/Order:





The controller shall be of a hybrid type that combines electro-mechanical and micro-electronic circuitry capable of fully automatic or manual operation. The controller shall be housed in a wall-mountable, plastic cabinet suitable for indoor installation and shall be supplied with a plug-in style transformer. A wiring cover shall be factory-supplied with the controller and shall provide a pipe strap for a 3/4" (20/27) PVC wiring conduit. All mounting screws (5) shall be provided with the controller.

The controller shall have _____ stations, with each station capable of an operating time of 0 to 99 minutes in 1 minute increments. The controller shall feature a range of repeating, operating day cycles of 2-, 3- or 5-day fixed, or a 7-day variable (week day) Custom schedule.

The controller shall have two separate programs (A & B) which can have different start times, station assignments and station timing. In the 7-day variable schedule, programs A and B shall be capable of separate or concurrent watering days. Each program shall have up to 3 start times available per day. The controller shall be capable of operating two 24 VAC solenoid valves per station plus a master valve or remote pump start relay.

The controller shall have a water budget feature adjustable from 10% to 200% of actual time set on the stations in 10% increments. Using water budget, the maximum station run time shall be 3 hours, 18 minutes and the minimum run time shall be no less than one (1) minute.

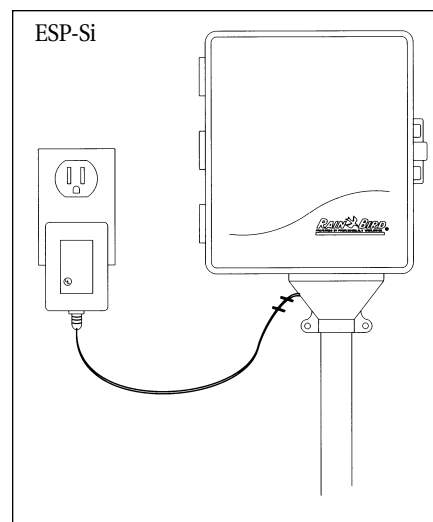
The controller shall have a 12 hour AM/PM clock with a midnight day changeover. The controller shall have a 3V lithium coin cell battery that maintains program memory up to several months and keeps timing accuracy during a power outage. The 3V lithium coin cell battery shall be provided with the controller.

The controller shall have a factory preset default program that shall activate if a power interruption outlasts the battery back up. In the default program mode, each station shall water, once per day if the "SCHEDULE" switch is set at "CUSTOM" or on day 1 of the 2-, 3- or 5-day schedule, depending upon which of the respective "FIXED" day positions the "SCHEDULE" switch is set.

The controller shall have a connector to mate to the remote control receiver. The operator shall be able to remotely initialize and advance a manual test program that sequentially runs all stations that have time scheduled in any program for the default run time. The remote operation shall override the controller's rain sensor and off modes.

The default program shall begin irrigation eight (8) hours after A. C. power is restored and shall water each station, in sequence, for 10 minutes on one of the above schedules.

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



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