TECH SPECS

ESP Series Controller

Primary Application

Callbacks become a thing of the past when controllers are as easy to use as Rain Bird's ESP Series. Programming steps are clear and logical. An alphanumeric liquid display guides the way with helpful word prompts, visible even in bright sunlight.

Plus, the ESP is loaded with water-saving features simply not found on competitively priced units. Flexible scheduling options, dual programming, and water budgeting help all ESP owners manage water use-with ease.

The ESP Series—easy on the budget, easy on the mind.

Features

- ESP: Extra-Simple Programming
- Two independent programs
- System water budgeting from 0% to 200% of programmed time
- Large word-prompting alphanumeric liquid crystal display (LCD)
- Durable, weather-resistant outdoor cabinet with internal transformer
- Conventional 12-hour AM/PM clock
- Swing-open face panel for easy access to terminal strip
- Manual start and station advance
- Monitor capability: Display indicates active station and counts down time remaining to operate.
- Master valve/remote pump start circuit
- Battery recharging circuit
- UL, cUL listed, CE and C-Tick approved.
- Diagnostic self-setting circuit breaker identifies a station with valve or wire fault and continues to water operable stations without a fuse.
- Raster™ test enables the controller to diagnose and troubleshoot field wiring, solenoid, and controller problems quickly and easy.

Operating Specifications

- Station timing: 0-99 minutes (in 1-minute increments)
- Automatic starts: On any quarter hour, up to 3 per day for each program; up to 6 per day using dual program capability.
- Programming schedule: 2-, 3- and 5-day fixed cycle or 7-day variable programming cycle selection.

Electrical Specifications

- Input required: 120 VAC ± 10%, 60 Hz or 220 V ± 10%, 50 Hz
- Output: 24-26.5 VAC 1A
- 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.
- Power failure backup: 9-volt NiCad rechargeable battery maintains program up to three days and keeps time within 2% accuracy range in case of power outage (battery included).
- Multi-valve station capacity: Up to two 24 VAC, 7VA solenoid valves per station, plus a master valve.
- Default program: After prolonged power interruption, each station waters 10 minutes per day 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.
- Manual operation advance button for semi-automatic start

Dimensions

- Width: 7 ½" (19,1 cm)
- Height: 8 ⅝" (22 cm)
- Depth: 4 ½" (11,4 cm)

Models

- ESP-4*: 4 Stations
- ESP-6*: 6 Stations
- ESP-8*: 8 Stations

*Available in 50 Hz model

How to Specify/Order:

ESP-4

Model
ESP

Number of Stations
4: 4 Stations
6: 6 Stations
8: 8 Stations

ESP Series Controllers
ESP-4, ESP-6, ESP-8
Specifications

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, weather-resistant, plastic cabinet suitable for either indoor or outdoor installation.

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 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 timing and, in the Custom schedule, different 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 0% to 200% of actual time set on the stations in 10% increments. Using water budget, the maximum station run time shall be 3 hours and 18 minutes and the minimum run time shall be no less than one (1) minute.

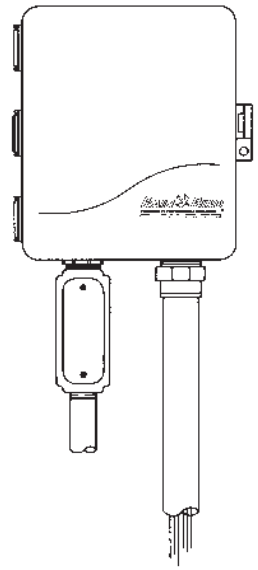
The controller shall have a 12 hour AM/PM clock with a midnight day change over. The controller shall have a recharging circuit for a 9-volt Nickel Cadmium (NiCad) battery to maintain program memory up to 3 days and shall keep time within a 2% accuracy range in case of power outage. The NiCad battery 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 one of the 2-, 3- or 5-day schedule, depending upon which of the respective "FIXED" day positions the "SCHEDULE" switch is set.

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 by Rain Bird Corporation, Glendora, California.

ESP



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