

## ESP-9V Series

### Battery-Operated Controllers

The ESP-9V line of battery-operated controllers allows the use of reliable automatic irrigation in the absence of AC power.

#### Installs Anywhere

The ESP-9V can be installed virtually anywhere. The waterproof case ensures long life even when installed in a valve box.

#### Easier to Program

Common programming features are easily accessed on one screen, making programming quick and easy.

#### Longer Lasting

Operates for approximately one full year using one 9-volt alkaline battery, or two years with two 9-volt alkaline batteries.

#### Controller Features

- At-a-glance programming eliminates confusion by showing the run-time, start-times and watering days for each zone.
- Large LCD display with easy to navigate user interface.
- Sensor input with bypass override.
- Master valve/pump-start circuit (multi-zone units only).
- Non-volatile (100-year) program memory.
- IP68 certified for protection against dust and water intrusion.
- The plastic controller case has outstanding resistance to weather, yellowing and aging.

#### Scheduling Features

- Dedicated manual watering button for easy operation.
- Automatic zone-stacking ensures that only one valve irrigates at a time. If zones are scheduled to water at the same time and date, the ESP-9V will automatically irrigate the lower number zone first.
- Contractor Rapid Programming™ automatically copies the start times and watering days from zone 1 to all remaining zones at initial setup.
- Run times, start times and watering days are customizable by zone.
- 6 independent start times per zone.
- 4 watering day options per zone: Custom days of week, Cyclic (every 1 to 30 days) and ODD calendar days and EVEN calendar days.
- Delay watering (1 to 9 days).

#### Advanced Features

- Contractor Default™ save/restore.
- Rain Sensor bypass for all zones.
- Manually water ALL zones or SINGLE zone on demand.
- One-touch manual start.

#### Certifications

- cULus, FCC, IC, CE, RCM (AMCA), IP68, RoHS

#### Controller Dimensions

Width: 5.35" (13,59 cm)  
Height: 4.04" (10,26 cm)  
Depth: 2.42" (6,15 cm)  
Weight: 2 lbs (907 g)

#### LCD Screen Size

Width: 2.25" (5,72 cm)  
Height: 1.25" (3,18 cm)

#### Optional Wall Mount Dimensions

Width: 4.25" (10,76 cm)  
Height: 6.930" (17,60 cm)  
Depth: 1.965" (4,99 cm)  
Weight: 3.6 oz (107 g)



With optional Wall Mount

### How to specify your model:

#### ESP-9V

#### 9V Battery-Operated Controller

ESP9V1	1-Zone ESP-9V Controller
ESP9V2	2-Zone ESP-9V Controller
ESP9V4	4-Zone ESP-9V Controller
ESP9V6	6-Zone ESP-9V Controller
ESP9V1SOL	1-Zone + 9V Solenoid
ESP9VDVKIT	1-Zone + 1" DV Valve (SLIP)
9VMOUNT	Wall-mount kit



## Specifications

The controller shall be the type which may be installed in a valve box underground. The controller shall function normally if submerged in water.

The irrigation controller shall be housed in an ASA plastic enclosure. The battery compartment shall be dual-sealed to prevent water from entering the compartment. The controller shall have two mounting slots for screws allowing the controller to be securely mounted inside a valve box.

The controller shall be designed to operate for one full year in normal conditions using one 9-volt alkaline battery or two years with two 9-volt batteries.

The controller shall operate (depending on model) 1, 2, 4 or 6 zones.

2, 4 and 6 station models shall support a master valve.

4 and 6 station models shall include a second common wire to aid during installation.

All valves shall use the Master Valve.

One sensor input shall be present on the controller and shall accommodate a dry contact rain sensor.

The controller shall allow the user to obey/ignore the rain sensor inputs for all zones.

The controller shall have station run time capability from 1 to 240 minutes in one minute increments, a 365-day calendar with leap year and up to six start times per zone.

Each zone shall be capable of being set to any of the following day schedules: custom, cyclic (every 1 to 30 days), odd-31 calendar days, and even calendar days.

The controller shall have a global seasonal adjust feature, adjustable from 10% to 200% in 10% increments. (The maximum resulting run time per zone will be 399 minutes.)

A Delay Watering feature shall allow the user to suspend irrigation from 1 to 9 days.

The controller shall have a dedicated manual watering button to initiate watering for all zones or specific zones for the programmed duration.

The controller shall be capable of manually starting/stopping single valve or all valves for a specified time.

The controller shall be capable of manually starting/stopping single valve or all valves for the programmed run times.

The controller can be mounted on a wall using the optional wall-mount kit.

The controller shall include a rubber cover to protect LCD screen and programming panel.

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