

## PAR+ES Controller

The easy-to-program Rain Bird® PAR+ES Controller is compatible with any Rain Bird Central Control system and any other Rain Bird Controller. It features up to 72-Station capability, unlimited programs with central control, premium surge protection, extensive diagnostics and best-in-class pedestal enclosure.

### FEATURES AND BENEFITS

**Communication.** Standalone, two-wire and LINK™.

**Central Control Ready.** Works with any Rain Bird® Central Control system. End-users can access controller via The MI Series™ Mobile Controller\* or FREEDOM System™.

- Dynamic Flo-Manager®
- Smart Pump™
- Smart Sensor™
- Smart Weather™

**Easy to Use.** Large, raised control buttons with clear, descriptive icons and a high-contrast Liquid Crystal Display (LCD) panel make programming easy. Lights indicate active schedules and central control status, while unique copy/paste function speeds programming process. An angled keypad aids visibility as well as water drainage, and makes the PAR+ES controller extremely easy to use.

**Greater Water Precision.** The PAR+ES controller allows you to program six (6) automatic and two (2) manual schedules. It allows you to turn on a maximum of 16 solenoids at 60 Hz and 12 solenoids at 50 Hz, and features four (4) control modes — giving you ample programming and operating control.

**Modular Configuration Allows Easy Expansion.** The PAR+ES is available in any configuration and can be easily upgraded in 8-station increments. By simply plugging in an 8-station Output Station Module (OSM) you can expand your PAR+ES controller capabilities to accommodate any configuration.

**Multi Manual with Station and Program Stacking.** Perfect for syringing or putting down fertilizer, multi manual allows you to manually launch up to 16 stations at one time. Split second delayed start prevents water hammer and high inrush current.

**Multiple Schedule Operation.** No schedule limit when operated with Rain Bird Central Control systems.

**Universal Performance Simplifies Installation and Operation.** The intuitive PAR+ES Controller reduces installation and training hassles with its many universal features. For quick electrical hookups, the system automatically senses and adjusts for either a 50 or 60 Hz current; while one (1) transformer accommodates 100 V/120 V, 220 V or 230 V/240 V with the flip of a switch. The PAR+ES Controller also displays system activities and accepts user input in eight (8) different languages. The icon-driven controls and multilingual display eliminate confusion and translation problems.

**Mix and Match.** Mix and match with any other Rain Bird Controller and with any Rain Bird Central Control system.

**Enclosed Electronics.** Provides the best protection against the elements.

**16-Solenoid Simultaneous Operation.** Heavy-duty transformer permits simultaneous operation of up to 16 solenoids (12 at 50 Hz).

**Irrigation Control.** Variable or weekday programming, for weekday cycle or for irrigation every other day, every three (3) days or up to every nine (9) days.

**Water Budget.** Increase or decrease run times on a schedule in 10% increments from 0 to 200%.

**Simplified Installation.** Supplied templates make install easier.

**Front Panel Lighting.** Illumination LEDs and backlit faceplate buttons make programming easy even in poor lighting.

**Large Capacity Terminal Strip.** Accepts up to two (2) 14-gauge wires per station.

**Standard Station Lights and Switches.** OSM lights provide easy identification of active stations — turn stations on or off quickly for easy operation and troubleshooting.

**Premium Surge Protection.** Premium surge protection included in all models.

**Sensor Response.** Sensor activation cancels irrigation at controller.

**Master Valve Activation.** Activate master valve output with station activation.

**Available PAR+ES Retro Kit.** Extends the useful life of older satellites by converting to PAR+ES water-saving technology (see page 37).

**The flexible PAR+ES can be ordered in the following configurations:**

- PAR+ES standalone controller in a plastic pedestal.
- PAR+ES satellite with two-wire module in a plastic pedestal.
- PAR+ES satellite with LINK (wireless) module in a plastic pedestal.

All configurations are offered with a weather-proof and impact-resistant plastic pedestal.

Buy only the control you need today, and increase your operating capabilities or change your communication method at any time.

\*Software required

HOW TO SPECIFY			
<b>PAR ES</b>	<b>- XX</b>	<b>- X</b>	<b>S</b>
MODEL PAR ES	STATION COUNT 16 <sup>‡</sup> 24 32 <sup>‡</sup> 40 48 56 <sup>‡</sup> 64 72	CONFIGURATION Blank = Standalone 2 = Two-wire L = LINK**	OSM TYPE S = OSMs with Station Switches

**NOTE:** Expandable up to 72-Station count by adding OSMs.  
\*\*LINK Radios must be ordered separately from controller.  
‡ Only options available in standalone configuration.



## SPECIFICATIONS

**Station Capacity:** 72 stations, up to 16 solenoids operating simultaneously (60 Hz) (12 @ 50 Hz)

**Electrical Input:** (50/60 Hz); 117 VAC Nominal 98 to 132 VAC; 220 VAC Nominal 208 to 232 VAC; 240 VAC Nominal 225 to 255 VAC

**Electrical Output:** 26.5 VAC, 5.25 AMP

**Station Load Capacity:** Up to four (4) 24 VAC, seven (7) VA solenoids per station

### Plastic Pedestal Dimensions:

**Width:** 17" (43.2 cm)

**Height:** 34 3/4" (88 cm)

**Depth:** 21" (53.4 cm)

**Programs:** As many programs as possible with Rain Bird Central Control Systems or six (6) automatic (12 start times each) and two (2) manual in standalone mode

**Water Budget:** 0 to 200% in 10% increments



**Station Runtimes:** One (1) to 120 minutes, in one (1) minute increments

**Languages:** English, French, German, Italian, Japanese, Portuguese, Spanish and Dutch

**Grounding Requirements:** Less than 10 ohms

**Compliance:** UL & C-UL Listed, CE approved, C-Tick Compliant and FCC

## PAR+ES Retro Kit

The PAR+ES Retro Kit is the perfect controller upgrade for low budget retrofit to extend the life of your irrigation system.

### FEATURES

**Installation:** Installs in any existing Rain Bird small plastic or stainless steel pedestal.

**Versatile Configurations:** Available as standalone, hardwired<sup>1</sup> or wireless<sup>2</sup>. Hardwired and wireless configurations have real-time two-way communication with central control. In wireless mode, up to four controllers can share a single radio.

**Expandable:** 16-station configuration up to 48-station using plug-in 8-station output station modules with switches and station LED.

### SPECIFICATIONS

**Water Budget:** 0 to 200% in 10% increments

**Station Runtimes:** One (1) to 120 minutes, in one (1) minute increments

**Configurations:** Standalone, hardwired and wireless

**Programs:** No limit with Rain Bird Central Control systems. Six (6) automatic (12 start times each) and two (2) manual programs

**Schedule:** Variable day watering (up to nine (9) days), custom day-of-the-week by program

**Electrical Input:** 117 VAC ±10% (60 Hz); 220 VAC (50 Hz)

**Electrical Output:** 26.5 VAC, 3 AMP

**Station Load Capacity:** Up to four (4) 24 VAC, seven (7) VA solenoids per station

**Languages:** English, French, German, Italian, Japanese, Portuguese, Spanish and Dutch

<sup>1</sup>Requires interface module not included.

<sup>2</sup>Requires additional transformer.