PAR+ES Controller
Durable Construction. Easy to Use. Superior Quality.
Expanded Number of Stations!

Features and Benefits

Easy to Use – Large buttons with clear, descriptive icons make programming easy.

Upgradeable – Plug in Output Station Modules (OSM) to expand station capacity to 72 stations, in 8-station increments.

Cost Savings – More stations means reduced cost per station.

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

Multiple Schedule Operation – No schedule limit when operated with Rain Bird® Central Control Systems. Six (6) automatic (with 12 start times each) and two (2) manual schedules available for stand-alone operation.

Irrigation Control – Variable or weekday programming, for weekday cycle or for irrigation every other day, every three days or up to every nine days.

Central Control Ready – Controllers available with Maxi Interface Boards for two-wire or LINK two-way communication with any Rain Bird Central Control System.

Quick Programming – Copy and paste buttons make programming quick and easy.

Simplified Installation – One transformer accommodates various power inputs.

Front Panel Lighting – LEDs and backlit Liquid Crystal Display (LCD) make programming easy even in poor lighting.

Standard Station Lights – OSM lights provide easy identification of active stations.

Standard Station Switches – Turn stations on or off quickly for easy operation and troubleshooting.

Standard Surge Protection – Standard surge protection included in all models.

Sensor Response – Sensor activation cancels irrigation at controller.

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

Easy Programming – Large, raised control buttons with clear, descriptive icons and a high-contrast Liquid Crystal Display (LCD) panel make programming easy – even for the novice. Lights indicate active schedules and central control status, while 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 valves at 60 Hz and 12 valves at 50 Hz, and features four (4) control modes – giving you ample programming and operating control.

Mix and Match – Mix and match with any other Rain Bird Controller and with any Rain Bird Central Control System.

Modular Configuration Allows Easy Expansion – The PAR+ES base configuration of 16 stations 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 24, 32, 40, 48, 56, 64 or 72 stations. Upgrading the PAR+ES costs less and reduces the need for additional controllers.

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.

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

• PAR+ES stand-alone 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 weatherproof 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.

How to Specify/Order:

PAR+ES - XX- X - X

Model
PAR+ES

Station Count
16, 24, 32, 40, 48, 56, 64, 72

Configuration
Blank = Stand Alone
2 = Two-Wire
L = Link

OSM Type
S = OSMs with Station Switches

PAR+ES DECODER CONTROLLER

The PAR+ES Decoder Controller combines the features and benefits of a controller system with those of a decoder system. Benefits for the user include:

- Easy Installation.
- Reduced Installation Costs.
- Easy Expansion.

The idea is simple:

1) Install the controller.
2) Connect a decoder to the nearest wire path.

- Uses up to 90% fewer wire than conventional hardwire systems.
- Built-in diagnostic tools.

- Compatible with all Rain Bird Golf Decoders (i.e. FD-101, FD-201, FD-402 and FD-601).
- Simply attach new decoder to nearest decoder.
- Operates as a stand-alone controller or add a Rain Bird Central Control System for greater control.
- Operates up to 72 decoder addresses.
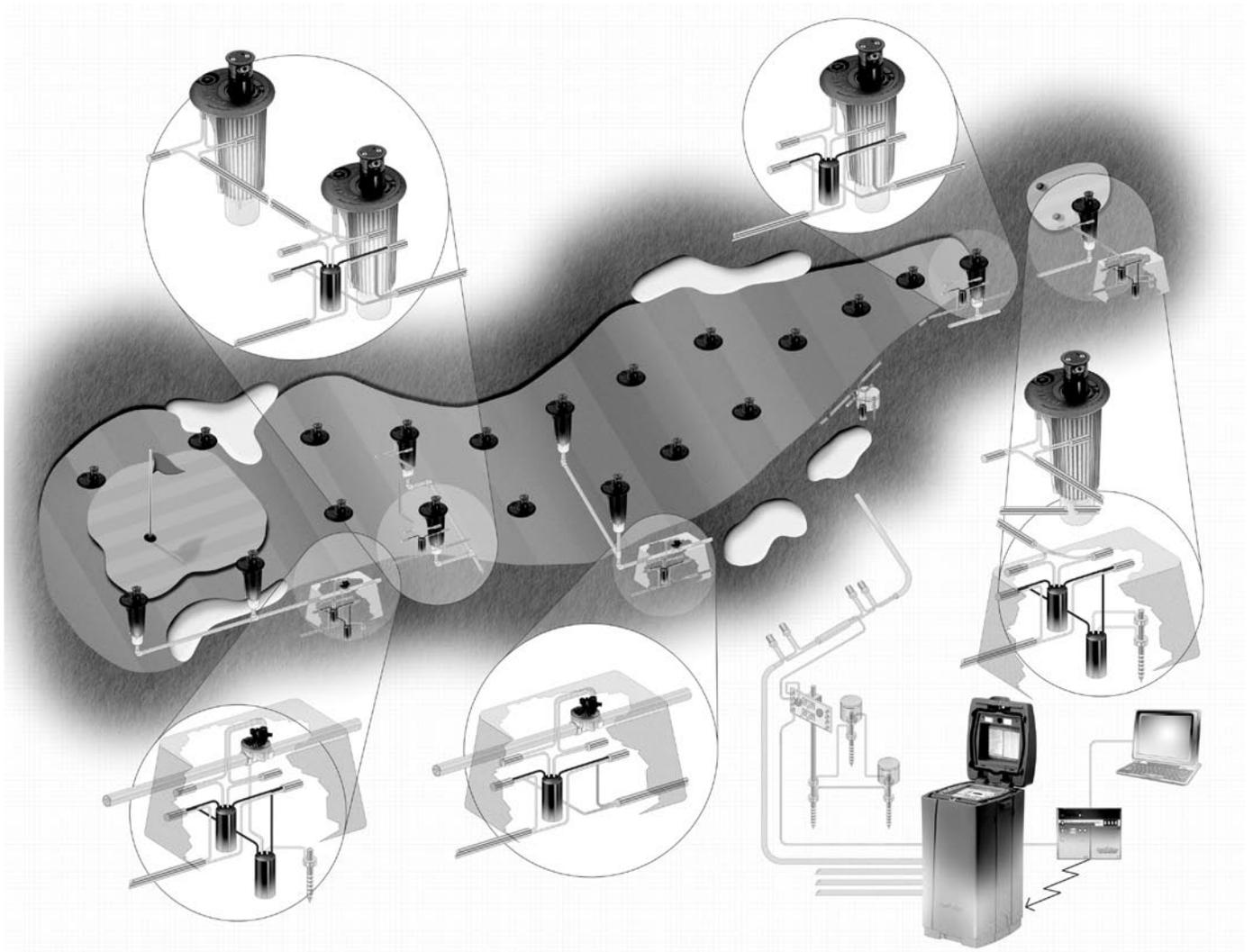
How to Specify/Order:

PAR+ES-DEC - X - 72

Model
PAR+ES

Configuration
Blank = Stand Alone
2 = Two-Wire
L = LINK

SPECIFICATIONS

	PAR+ES	PAR+ES Decoder Controller
Station Capacity	72 stations, up to 16 solenoids operating simultaneously (60 Hz)	72 decoder addresses, up to 16 solenoids operating simultaneously (60 Hz)
Configurations	Stand Alone, Two-Wire, LINK and LINK with Radio	
Electrical Input (50/60 Hz)	115 VAC Nominal 98-132 VAC 220 VAC Nominal 208-232 VAC 240 VAC Nominal 225-255 VAC	
Electrical Output	26.5 VAC, 5.25 AMP	
Station Load Capacity	Up to four (4) 24 VAC, 7 VA solenoids per station	Up to two (2) 24 VAC, 7 VA solenoids per station (depending on decoder type)
Plastic Pedestal Dimensions	Width: 17" (43,2 cm) Height: 34.75" (88 cm) Depth: 21" (53,4 cm)	
Programs	No limit with Rain Bird Central Control Systems Six (6) automatic (12 start times each) and two (2) manual in stand-alone mode	
Water Budget	0-200%, in 10% increments	
Station Runtimes	1-120 minutes, in 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 FCC	
Max Wire Length Between Controller and Decoder	N/A	#12 AWG Star Design 3.8 miles (6.1 km) Loop Design 15.2 miles (24.4 km) #14 AWG Star Design 2.4 miles (3.8 km) Loop Design 9.6 miles (15.2 km)
Max Wire Length Between Decoder and Rotor	N/A	456 ft (#14 AWG)
Max Wire Paths	N/A	Four, plus multiple branches per wire path

The Intelligent Use of Water™—Visit www.rainbird.com to learn more about our efforts.

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