

## PAR+ES Sat Decoder Controller

The PAR+ES Sat Decoder combines the features and benefits of a satellite controller with those of a decoder system. The advantages include:

- Easy Installation
- Reduced Installation Costs
- Easy Expansion

### The Idea is Simple:

- Install the controller.
- Install a single two-wire path to control all the sprinklers.
- Install decoder between wire path and each sprinkler head.
  - Uses up to 80 percent fewer wires than conventional controllers
  - Built-in diagnostic tools
  - Compatible with all Rain Bird Golf Decoders (FD-101, FD-102, FD-202, FD-401 and FD-601)
  - Simply attach new decoder to the wire path
  - Operates as a standalone controller or add a Rain Bird® Central Control system for greater control
  - Operates up to 72 decoder addresses
- Program controller with decoder address.

### SPECIFICATIONS

**Station Capacity:** 72 decoder addresses, up to 16 solenoids operating simultaneously (60 Hz)

**Configurations:** Standalone, two-wire and LINK

**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 two (2) 24 VAC, seven (7) VA solenoids per station depending on decoder type

#### Plastic Pedestal Dimensions:

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

**Height:** 34¾" (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 – 200% in 10% increments

**Station Runtimes:** One (1) – 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

#### Maximum Wire Length Between Controller and Decoder:

##### #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)

**Maximum Wire Length Between Decoder and Rotor:** 456 ft (#14 AWG)

**Maximum Wire Paths:** Four (4), plus multiple branches per wire path

### HOW TO SPECIFY

**PAR ES-DEC - X - 72**

MODEL	CONFIGURATION
PAR ES	Blank = Standalone
	2 = Two-wire
	L = LINK*

\*LINK Radios must be ordered separately from controller.

