

## ESP-LX Basic Controller

### ESP-LX Series Controllers

The ESP-LX Basic joins Rain Bird's popular ESP-LX Series of commercial controllers. The ESP-LX Basic is a simple-to-use, entry level commercial controller, with only the features you need, including modular station capacity up to a maximum of 48 stations using 4-, 8- and 12-station modules.

### Applications

The ESP-LX Basic provides flexible features and modular options that make the controller ideal for a wide variety of applications including light-commercial, commercial, and industrial irrigation systems. Modular options include modular station capacity, metal case and pedestal. These options are field installed and can upgrade and enhance the ESP-LX Basic at any time in the future.

### Easy to Use

The ESP-LX Basic Controller utilizes the Rain Bird ESP Extra-Simple Programming user interface. The dial, switches, and buttons interface which Rain Bird first introduced in the early 1990's is easy to learn and use and has become a standard controller interface for the irrigation industry. The large LCD display incorporates softkey text labels for the button functions rather than dedicated buttons.

Dual language support allows the end-user or maintenance personnel to interface with the controller in English or Spanish. A simple turn of the dial changes the language: the right side being English and the left side Spanish. Date, time and unit formats are also configurable.

### Easy to Install

The ESP-LX Basic Controller has a spacious case and quick-connect terminals making installation fast and easy. Multiple size wiring knockouts are provided on the bottom and back side of the case to adapt to a wide variety of wiring applications. The door and front panel are removable so the case can be easily mounted to the wall.

### Controller Hardware

- Plastic, locking, UV resistant, wall-mount case
- Optional Metal Case & Pedestal
- 12-station base unit expandable to 48 stations with 4-, 8-, & 12-Station Modules

### Controller Features

- Large LCD display with easy to navigate softkey user interface
- Hot-swappable modules, no need to power down the controller to add/remove modules



- Dynamic station numbering eliminates station numbering gaps
- Weather Sensor input with override switch
- Master valve/pump start circuit
- English or Spanish language with a simple turn of the dial
- Non-Volatile (100-year) program memory
- Standard 10kV surge protection
- Front panel is removable and programmable under battery power
- Compatible with Rain Bird Landscape Irrigation and Maintenance Remote

### Water Management Features

- SimulStations™ are programmable to allow up to 2 stations to operate at the same time
- Water Windows by program
- Cycle+Soak™ by station
- Rain Delay
- Programmable Station Delay by program
- Normally Closed Master Valve programmable by station
- Weather Sensor programmable by station to prevent or pause watering
- Program Seasonal Adjust
- Global Monthly Seasonal Adjust

### Diagnostic Features

- Alarm light with external case lens
- Electronic diagnostic circuit breaker
- Program summary and review
- Variable test program
- RASTER™ station wiring test

### Operating Specifications

- Station timing: 0 min to 12 hrs
- Seasonal Adjust: 0% to 300% (16 hrs maximum station run time)
- 4 independent programs (ABCD)
- ABCD programs can overlap

- 8 start times per program
- Program Day Cycles include Custom days of the week, Odd, Odd31, Even, & Cyclical dates
- Manual station, program, test program

### Electrical Specifications

- Input required: 120 VAC  $\pm$  10%, 60Hz
- Output: 26.5 VAC 1.9A
- Power back-up: Lithium coin-cell battery maintains time and date while nonvolatile memory maintains the programming
- Multi-valve capacity: Maximum five 24 VAC, 7VA solenoid valves simultaneous operation including the master valve, maximum two solenoid valves per station

### Certifications

- UL, CUL, CE, CSA, C-Tick, FCC Part 15

### Dimensions

- Width: 14.32 in. (36.4 cm)
- Height: 12.69 in. (32.2 cm)
- Depth: 5.50 in. (14.0 cm)

### How To Specify

#### ESP-12LXBASIC

Base Controller  
ESP-12LXBASIC:  
12 station base

#### ESPLXMSM4

Station Modules  
ESPLXMSM4:  
4-Station Module  
ESPLXMSM8:  
8-Station Module  
ESPLXMSM12:  
12-Station Module