



## Rain Bird® ESP-LX Series Controllers



Exactly what you want. Only what you need.



# Rain Bird® ESP-LX Series Controllers make saving time and water simple.

Design and build the irrigation control system you want using only the components you need. Demonstrating once again our commitment to The Intelligent Use of Water™, ESP-LX Series Controllers combine modularity with advanced water management and Extra Simple Programming. As an irrigation contractor, distributor, specifier or water manager, you'll save precious time, money and water. Choose from the traditionally wired ESP-LXME or the two-wire, decoder-based ESP-LXD. Both controllers are compatible with IQ™ v2.0 Central Control System.

## Intuitive operation.

The ESP-LXD and ESP-LXME each feature Extra Simple Programming. From the large LCD display to the simple-to-use dial to easy-to-follow prompts, both controllers are designed to help cut installation expenses and troubleshooting time. Thanks to a shared user interface, if you know how to program the ESP-LXD or ESP-LXME, you already know how to program its counterpart.

## Unprecedented flexibility.

Modular designs make the ESP-LXD and ESP-LXME perfect for a range of small to large commercial projects—from the straightforward to the most complex. Choose from a variety of station counts, accessories and optional features, only paying for what you need now—with the option of adding more in the future. Many of the same optional components can be used to upgrade both controllers, so you can also stock fewer parts.

## Powerful features.

In addition to time- and water-saving standard features like Cycle+Soak™ and Contractor Default Program™, the ESP-LXD and ESP-LXME offer an easy upgrade path to advanced features. Adding an ETC-LX ET Manager™ Cartridge converts an ESP-LX Series Controller into a Smart Controller. To add Central Control, just insert the IQ™ NCC Communications Cartridge. Or, to add Flow Sensing to the ESP-LXME, snap the Flow Smart Module into place. With the ESP-LX Series, it's just that simple.



Rain Bird's ESP-LXME and ESP-LXD controllers have been certified by Smart Approved Watermark™. This excellent designation is Australia's outdoor water-saving labeling program for products and services that help reduce water use.





# The ESP-LXD Decoder Controller

Save water, save wire.

## Where to use 2-Wire Decoder Control:

- Large commercial sites
- Multi-phase construction and other applications requiring easy expansion
- Sites where efficient system troubleshooting is critical
- Median strips, malls, corporate and college campuses, residential developments

The new Rain Bird® ESP-LXD builds on The Intelligent Use of Water™ legacy, combining the efficiency of two-wire control with trusted Extra Simple Programming.

### 200-station capacity.

The ESP-LXD offers the ability to expand from 50 stations to up to 200 stations. So you can handle sites large or small, while stocking fewer controllers and components.

### Built-in flow capability.

Flo-Manager® ensures you don't overtax your water supply, while Flo-Watch™ quickly identifies and isolates high or low flow situations, such as mainline breaks.

### Backwards compatibility.

Already have a Rain Bird® MDC Two-Wire Decoder? You won't need to dig up your field decoders. Upgrading to the ESP-LXD is as simple as changing out your MDC Controller.







## ESP-LXD Optional Accessories



### ESP-LXD-SM75 Station Module

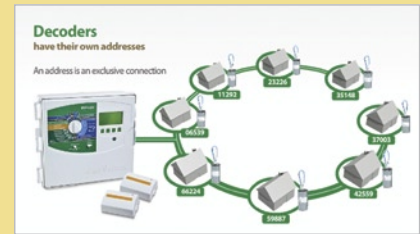
Expand the ESP-LXD Decoder Controller station count from 50 to up to 200 stations in 75-station increments.



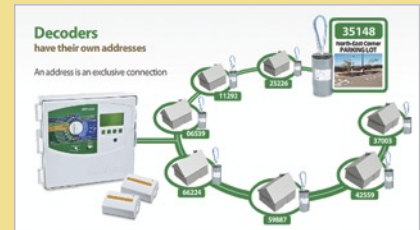
### ESP-LXD-PBC Programming Backup Cartridge

Backup and restore programming and configuration for up to 8 ESP-LXD Controllers. Add the optional Bar Code Scanner Pen for decoder address and station entry.

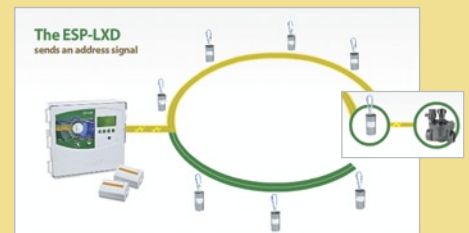
## How Two-Wire Control Works



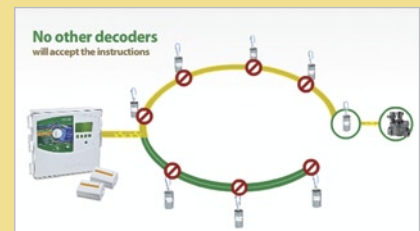
Your ESP-LXD controller is linked to decoders in the field by a two-wire path. This path carries voltage and information.



To allow watering, the ESP-LXD sends out a unique signal to one of the decoders on the two-wire path.



The signal instructs that decoder to open the valve.




Because the signal only applies to the decoder and valve at that specific address, no other decoder accepts the instructions.





## The ESP-LXME Modular Controller

Tradition meets innovation.



### Where to use Traditionally Wired Control:

- Small to large commercial sites requiring up to 48 stations
- Sites unlikely to expand significantly over time
- Locations where easy installation and low controller hardware costs are top concerns
- Parks, homeowner's associations, business complexes

Inspired by The Intelligent Use of Water™, the ESP-LXME takes traditionally wired control to the next level. Enjoy water-saving features, a time-saving user interface and the ability to add more stations than ever before.

### 48-station capacity.

Go from eight to 48 stations with four module slots compatible with four-station, eight-station or 12-station modules. The expandability of the ESP-LXME makes it perfect for a broad range of small to large commercial jobs.

### Easy installation.

The user-friendliness of Extra Simple Programming cuts programming time, while the spacious cabinet and quick-connect terminals make installation a snap. From top to bottom, the ESP-LXME is engineered to help you move on to the next job sooner.

### Optional flow sensing.

Rest easy, monitor and automatically react to pipe breaks. By adding flow sensing to the ESP-LXME, you can take advantage of flow learning, high-flow and low-flow detection and reaction, as well as flow logging. *Requires optional Flow Smart Module.*







Traditionally Wired Control

## ESP-LXME Optional Accessories



### Station Modules

Expand the ESP-LXME from eight to 48 stations in four-station increments using SM4, SM8 and SM12 station modules.



### Flow Smart Module

Standard with the ESP-LXMEF and available as an upgrade to the ESP-LXME, the Flow Smart Module provides flow learning, logging and problem reaction.

## Optional Accessories for Both ESP-LXD and EXP-LXME



### ET Manager™ Cartridge

Upgrade the ESP-LXD or ESP-LXME to a weather-based, Smart Controller. This water-saving cartridge makes real-time adjustments to the irrigation schedule based on hourly weather data.



### IQ™ NCC Network Communications Cartridge

Convert the ESP-LXME or ESP-LXD Controller to an IQ™ v2.0 Direct Satellite, Server Satellite or Client Satellite. Choose from a variety of communication options, including direct connect cable, phone, GPRS/Cellular, Ethernet, Wi-Fi, Radio and hardwire. *Requires IQ v2.0 and compatible central computer.*





What I like best about the ESP-LXD controller is the fact it's very user-friendly...a very simple interface with the dial and very minimal button usage. It gives you every bit of information you want in just a few turns.

—Mark Lung, Senior Project Manager, Weigelt Enterprises



“Rain Bird has designed the user interface of their ESP-LXME controller to be logical and it's easy to find key features such as flow management parameters and zone flow rates and it is easy to write a program and monitor flow.

—Chris Le Conte, President Smart Watering Systems, Inc.





## The Intelligent Use of Water.™

LEADERSHIP • EDUCATION • PARTNERSHIPS • PRODUCTS

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At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit [www.rainbird.com](http://www.rainbird.com) for more information about The Intelligent Use of Water.™



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