**ESP-LXIVM Controller Specifications**

* + - * 1. The Rain BirdTM ESP-LXIVM Irrigation controller features and specifications include but are not limited to:

The controller shall be of a hybrid type that is microelectronic circuitry capable of fully automatic or manual operation.

The controller shall be housed in a wall-mountable, weather resistant plastic cabinet with a key-locking cabinet door suitable for indoor or outdoor installation.

The controller shall be a two-wire path field device based control system with integrated 2-wire device for valve operation (without separate decoder and solenoid devices)

The controller shall have incorporated a base station capacity of 60 stations (LX-IVM) or 240 stations (LX-IVM Pro).

LX-IVM can be upgraded to LX-IVM Pro with a LX-IVM Pro Panel.

All stations shall have the capability of independently obeying or ignoring a weather sensor as well as using or not using the master valve.

The weather sensor options shall include but are not limited to the Rain BirdTM WR2 Rain/Freeze Sensor, the Rain BirdTM RSD Rain Sensor, and the Rain BirdTM Anemometer with Rain BirdTM PT3002 pulse monitor.

The controller shall have 10 (LX-IVM) or 40 (LX-IVM Pro) separate and independent programs which can have different start times, start day cycles and station run times.

Each program shall have up to 8 start times per day for a total of 32 possible start times per day.

The programs shall be allowed to overlap operations based on user-defined settings which control the number of simultaneous stations per program and total for the controller.

The controller shall come standard with SimulStationsTM, a feature that allows the user to define up to 8 (LX-IVM) or 16 (LX-IVM Pro) Stations and any associated Master Valves to operate simultaneously.

The controller shall have a Cycle+SoakTM water management feature which is capable of operating each station for a maximum cycle time, and a minimum soak time to reduce water run-off.

The controller shall have a FloManagerTM feature that provides efficient irrigation and reduced water windows with real-time flow and station management.

The controller shall have FloWatchTM feature that learns the normal flow rate of each station and provides high and low flow detection.

The controller shall be compatible with the IQ v4.0 Central Control System utilizing IQ-NCC Network Communication Cartridges.

Shall include a 3-year trade warranty.

Shall be manufactured by Rain Bird® Corporation.

* + - * 1. Use Rain BirdTM LXMM lockable powder-coated steel case suitable for wall mounting or free standing pedestal mounting.
        2. Use Rain BirdTM LXMMPED powder-coated steel pedestal for pedestal mounting in conjunction with the Rain BirdTM LXMM case.
        3. IVM accompanying field device specifications include, but are not limited to:

Shall have four different field device options to allow the user to choose the precise amount of landscape irrigation control needed.

Rain BirdTM LXIVMSOL interfacing signal line and Rain BirdTM valve.

Rain BirdTM LXIVMOUT interfacing signal line and Third Party Valve with compatible DC latching solenoid

Rain BirdTM LXIVMSEN interfacing signal line and compatible flow or weather sensor

Rain BirdTM LXIVMSD for surge protection. (every 500 ft or 15 field devices. whichever is shorter)