

## ESP-LXIVM and LXIVM Pro 2-Wire Controllers (cont.)

### Field Devices

ESP-LXIVM 2-Wire Field Devices are installed along the 2-Wire path to interface with valves and other hardware.

### IVM-SOL

- Interfaces with LX-IVM to control station valves and master valves
- Interfaces with PEB, PESB, PGA, EFB-BP and BESP Valves
- Available pre-installed in a SmartValve configuration with PEB and PGA Valves
- Rain Bird WC20 connectors (included) to be used for all splices
- Current Draw: 0.67mA
- Model: LXIVMSOL

### IVM-OUT

- Interfaces with LX-IVM to manage 3rd party valves and external gear such as pump stations
- Rain Bird WC20 connectors (included) to be used for all splices
- Current Draw: 0.67mA
- Model: LXIVMOUT

### IVM-SEN

- Interfaces with LX-IVM to control weather sensors or flow sensors
- Rain Bird WC20 connectors (included) to be used for all splices
- Current Draw: 6mA
- Model: LXIVMSEN

### IVM-SD (Surge Protection)

- IVM-SD provides surge protection on the 2-Wire path
- One every 500ft or 15 field devices
- Rain Bird WC20 connectors to be used for all splices
- Model: LXIVMSD



IVM-SOL



IVM-OUT



IVM-SEN



IVM-SD

### Key Specifications

Feature	LX-IVM	LX-IVM Pro
Max Programs	10	40
Stations	60	240
Max Simulstations	8	16 (plus active MV's)
Master Valves	5	10
Flow sensors	5	10
Weather sensors	4	8 (including 1 Local)
Watering windows	1 per program	
Max run time	96 hrs	
Start Times/program	8	
Interstation delay	Up to 1 hour per program	
LCD	2.5"x5" at 127x256 pixels. Monochrome with backlight	
Front Panel Buttons	- All Buttons are back-lit - 5 Programming Button - Dedicated Language, Info and Back Buttons	
Transformer size	1.9 amp (50 VA)	
IVM current draw	720 uA (Standby)	
Sensor current draw	8.4mA (Standby)	
Max wire run	1.65 miles (2.66Km) 14 AWG in Star configuration 6.61 miles (10.63Km) Looped	
No. 2-Wire paths and terminal pairs	4	
Cabinet	Plastic	
FloWatch (flow sensing)	YES - Available Options: Diagnose & Eliminate, Shut Down & Alarm, Alarm Only	
FloManager (flow optimization)	Yes	
Flow Rate	0 to 9999.9 gallons/min. (0.1 gallons/min. resolution)	
Supported Flow Sensors	FS050P, FS075P, FS100P, FS150P, FS200P, FS300P, FS400P, FS100B, FS150B, FS200B, FS350B, FS350SS, Custom	
Surge	20 kV int. - 1 IVM-SD every 500 ft. (or 15 field devices)	
Valve type	DC Latching	
Diagnostics Short Finding	Automatically Detect and Turn Off Wire Path Ability to turn on constant current source for field trouble shooting	
Diagnostics Electrical History	- Daily Values (Last 30 Days) - Monthly Averages (Last 12 Mos.) - Values recorded 11:59 PM daily	
Diagnostics - Field Device Response	List Responding and List Not Responding	
Diagnostics Controller Output	Tracks Current Draw from 2-Wire Path 0.67 mA per IVM-SOL/IVM-OUT 6 mA per IVM-SEN	
Diagnostics Watering Test	Test All Stations 1 to 10 Mins. (per station)	
Central Control Capable	Yes	