

ESP-LX Plus and LXi Plus Series

6, 8, 12, 16, 20, 24 Stations

Indoor (I) or Outdoor for Residential and Light Commercial Use

- ESP: Extra-Simple Programming with self-prompting large alphanumeric LCD display makes this controller easy to program, read, and understand.
- Multiple levels of surge protection make the controller reliable and robust under extreme field conditions.
- Rapid Station Test Routine (RASTER™) enables the controller to diagnose and troubleshoot field wiring and solenoid problems quickly and easily.

Features

- Four independent programs (A-, B-, C-, and D-drip), with six start times each, allow mixed irrigation applications in a single controller
- 365-day calendar with leap year intelligence for one-time date and time setting
- Non-volatile program memory maintains user's program during a power outage independent of the battery backup.
- Removable, battery-programmable panel for the convenience of both programming instruction and programming prior to installation
- Four cycle modes (CUSTOM, CYCLICAL, ODD, or EVEN) selectable for each program for maximum flexibility
- Event-Day-Off option to set any day of the month as a non-watering day for all programs accommodates special occasions and special watering ordinances (with permanent off option for 31st day of the month)
- Programmable Delay-Between-Stations (0 seconds to 9 hours) provides time for water well recovery or time for slow-closing valves to turn off completely.
- Start time stacking prevents hydraulic overload
- Variable test program for system operational testing
- Water budgeting by program from 0 to 300% in 1% increments makes seasonal adjustments quick and easy
- Programmable rain delay enables system to stay off for specified period with an auto-restart
- Sensor inputs and override switch with LED indicate when irrigation is suspended
- Master valve/pump start circuit, programmable by station, for optimal irrigation control
- D-drip program can run simultaneously with program A, B or C to maximize hydraulic capacity and minimize watering time



● ESP-16LX Plus



- Diagnostic circuit breaker and LED fault indicator identify electrical shorts, skip shorted stations, and continue irrigation cycle
- Battery recharging circuit maintains fully charged Ni-Cad backup battery (included) to keep current time and date during a power outage
- Heavy-duty 1.25A external, plug-in style transformer on the ESP-LXi Plus indoor version provides convenient installation
- Includes easy-to-mount, heavy-duty plastic cabinet with key-lockable door and swing-out, quick release face panel, as well as all internal wiring (no junction box needed), for clean-looking, professional installation
- UL and cUL listed; CE, and C-Tick approved
- Special Fuse Circuitry detects and displays when a fuse has blown
- Interactive programming guide shipping with every unit on a CD makes this controller easy to program and understand

Operating Specifications

- Station timing: 0 to 12 hours for all stations (0 to 16 hours with water budgeting); 0 to 120 minutes selectable in 1-minute increments; above 120 minutes selectable in 10-minute increments
- Automatic starts: 6 starts per day for each program, available on the quarter hour (total of 24 start times)
- Independent program schedule options:
 - ODD day watering (per program)
 - EVEN day watering (per program)
 - CYCLICAL (1 to 31 days, variable per program)
 - CUSTOM (weekly schedule variable per program)

Electrical Specifications

- Input required: 117VAC \pm 10%, 60Hz (International models 230VAC \pm 10%, 50/60Hz)
- Output: 26.5VAC, 1.5A
- Diagnostic circuit breaker skips and indicates stations with overloaded circuits and continues to run operable stations
- Overload, backup fuse: 1.5A SLO-BLO
- Battery backup: 9V Ni-Cad rechargeable battery (included) for programming under battery power and maintaining current time and date during power outages
- Station Capacity: Up to two 24VAC, 7VA solenoid valves per station plus a master valve or pump start relay
- Terminal strips for up to #12UF wire
- Electrical surge protection: Primary input side has built-in MOV (metal oxide varistor) to protect microcircuitry; output side has two built-in MOVs and one inductor for each valve station

Dimensions

- Width: 9½" (24,1 cm)
- Height: 10¼" (26 cm)
- Depth: 4¾" (11,1 cm)

Models

- ESP-6LX Plus: 6 stations, indoor/outdoor*
- ESP-8LX Plus: 8 stations, indoor/outdoor*
- ESP-12LX Plus: 12 stations, indoor/outdoor*
- ESP-16LX Plus: 16 stations, indoor/outdoor*
- ESP-20LX Plus: 20 stations, indoor/outdoor*
- ESP-24LX Plus: 24 stations, indoor/outdoor*
- ESP-8LXi Plus: 8 stations, indoor
- ESP-12LXi Plus: 12 stations, indoor
- ESP-16LXi Plus: 16 stations, indoor

* Also available in 230VAC

