

ESP-MC Series

8, 12, 16, 24, 28, 32, 36, 40 Stations

Outdoor controller for commercial use.

- ESP: Extra-Simple Programming with self-prompting large alphanumeric LCD display makes this controller easy to program, read, and understand.
- Surge protection and contamination-resistant design 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.



● ESP-MC



● ESP-MC-SS

Features

- 12-hour watering duration for any or all stations to aid in drip compatibility
- Four independent programs, with eight start times each, allow mixed irrigation applications in a single controller
- Two master valve/pump start terminals, one programmable by station, to provide better irrigation control
- All programs can overlap to maximize hydraulic efficiency and minimize watering time
- 365-day calendar with leap year intelligence for one-time date and time setting
- Event-Day-Off option to set any day of the month as a non-watering day for all programs
- Programmable rain delay enables system to stay off for up to 99 days with auto-restart
- Upgradeable to Maxicom® and SiteControl satellite
- Independent day cycle by program
- Water budget by program provides adjustments from 0 to 300% in 1% increments (up to a maximum run time of 16 hours)
- Rain Bird's exclusive Cycle+Soak™ by station allows the total station run time to be split into usable cycles, minimizing puddling and runoff
- Programmable Delay-Between-Stations provides time for water well recovery, or time for slow-closing valves to turn off completely
- Manual watering by station or program
- Sensor inputs and override switch with LED to indicate when irrigation is suspended by the sensor
- Non-volatile memory maintains the irrigation schedule for up to 100 years during a power outage
- Lithium battery maintains the time and date for over 10 years during a power outage
- Diagnostic circuit breaker identifies electrical shorts, provides a "FAULT" message on the LCD screen, skips shorted stations, and continues irrigation cycle



- Mounting plate and mounting bracket provide fast, secure, vandal-resistant installation
- Quick-connect terminal strip for fast installation
- Universal remote ready: includes pre-installed connectors for addition of remote products
- Heavy-duty transformer for simultaneous operation of up to nine 24VAC, 7VA solenoids
- Removable, battery-programmable front panel for the convenience of both programming instruction and programming prior to installation
- Available in 2 enclosures:
 - Powder coated wall-mount metal cabinet
 - Stainless Steel Pedestal

Operating Specifications

- Station timing: A, B, C, D - 0 to 2 hours in 1-minute increments; - 2 to 12 hours in 10-minute increments
- Automatic starts: 32 starts total, eight per program per day
- Programming schedule:
 - ODD day watering (per program)
 - EVEN day watering (per program)
 - CYCLICAL (1 to 99 days, variable per program)
 - CUSTOM (day-of-the-week by program)
- Test program: Variable 1 to 99 minutes
- Rain Delay: Programmable 1 to 99 days

Electrical Specifications

- Input required: 117VAC \pm 10%, 60Hz
(International models: 230VAC \pm 10%, 50Hz)
- Output: 26.5VAC, 2.5A
- Station load capacity: Up to two 24VAC, 7VA solenoid valves per station plus a master valve or pump start relay
- Diagnostic circuit breaker skips and indicates stations with overloaded circuits
- Power supply overload, backup fuse: 3.0 Amp SLO-BLO
- Battery backup: 9VDC, Ni-Cad rechargeable for programming under battery power and for maintaining active program-in-progress during a power outage
- Heavy-duty electrical surge protection for both input power and field outputs
- UL Listed; CSA, CE, C-Tick approved

Dimensions

Steel Wall-mount

- Width: 11 $\frac{5}{16}$ " (28,7 cm)
- Height: 11 $\frac{1}{2}$ " (29,2 cm)
- Depth: 6 $\frac{1}{2}$ " (16,5 cm)

Stainless Steel Pedestal

- Width: 11 $\frac{1}{2}$ " (29,2 cm)
- Height: 30" (75 cm)
- Depth: 11 $\frac{1}{2}$ " (29,2 cm)

Optional Features

- Pedestal Mount (PED-DD16)

Models

- ESP-8MC: 8 stations
- ESP-12MC: 12 stations
- ESP-16MC: 16 stations
- ESP-24MC: 24 stations
- ESP-28MC: 28 stations
- ESP-32MC: 32 stations
- ESP-36MC: 36 stations
- ESP-40MC: 40 stations

Note: All models also available in 50Hz

Note: All models also available in a stainless steel (-SS) pedestal, except for international 230 VAC models



● ESP-MC Quick Connect Terminal Strip

