

WaterOptimizer Smart Controller



SYSTEM FEATURES

Base Controller

- Base controller can control up to 12 zones
- Modes of operation include standard runtime mode, sensor mode, or weather mode (ET)
- Can accommodate 12 moisture sensors
- Can accommodate other standard 4-20mA sensors/meters including flow meters, pressure indicators, etc.

Expandability

- Base controller can be expanded up to 48 zones
- Expandable up to 48 sensors
- Controller can power up to three (3) solenoids per zone

Programmability

- 6 modes of operation: Runtime mode, Sensor mode, and Weather (ET) mode, each with or without Pulse (cycle-soak)
- Large 4 line x 40 character display for easy-to-read programming and operation
- 12/24 hour real time clock and calendar
- 4 automatic programs with up to 4 start times per day
- User adjustable runtimes, 0-4 hours in 1-minute increments
- Test mode for easy system checking during installation
- Intuitive menus and screens makes programming easy for installers and users
- Remote over-the-air firmware/program upgrades

Professional Grade

- Compatible with any industry standard 24 VAC irrigation solenoid valves
- NEMA 3 enclosure designed for indoor or outdoor installations
- Electronic short circuit protection on all solenoids and moisture sensor connections
- Transient/surge and lightning protection on 24 VAC line
- Electrostatic Discharge (ESD) and surge protection on moisture sensors' analog-to-digital inputs
- Non-volatile (EEPROM) memory assures program and user configurations are maintained for up to five (5) years without battery power or during power outages
- Controls 1 Pump/1 Master Valve and 12 zone valve outputs
- Moisture sensors and zones solenoids can be wired 1000 feet away from the controller

WIRELESS NETWORKING AND SYSTEM-WIDE WEB BASED CONTROLS

- Designed for large network systems: Optional mesh network radio allows irrigation controller to be part of wireless network for complete system wide control of irrigation systems
- Web portal service for monitoring, control, and troubleshooting all WaterOptimizer irrigation controllers equipped with wireless radio

Controller Specifications	
Dimensions (L x W x D)	11.4" x 9.25" x 4.5"
Weight	7.5 lbs
Controller Power Input	110/120 VAC, 60Hz
Controller Power Output	24 VAC, 1.25 A, (30VA)
Station Output	24VAC, 0.45 amps per station
Maximum Output	24VAC, 0.9 amps (includes one Zone Valve, Master Valve and Pump)
Moisture Sensor Input	4-20 mA at 24 VDC

***Standard Grounding Measures are Recommended**