

Aqua System Controller

The *Aqua System Controller* is a versatile and powerful microprocessor control system designed to operate rainwater harvesting, wastewater recycling, and stormwater management systems. Standard features include:

- 10" color touch-screen PLC
- 8 analog inputs (4-20ma) for pressure, level, or chemical sensors
- 8 digital inputs for flow sensors, rainfall sensors, float switches, or alarm contacts
- 8 long-life transistor outputs to operate control relays
- 8 isolated control relays with both normally-open and normally-closed functionality
- built-in Modbus and ethernet
- web interface for remote access to all functions
- optional BacNet and GSM
- 120vac input power with cord and plug
- 90 watt 24 vdc current limited Class 2 power supply
- 100 va 24vac current limited super-efficient Class 2 power transformer
- 15 amp 120vac circuit-breaker controlled power output
- 32 GB removable data storage card
- Gasketed plastic hinge-cover enclosure with lockable latches
- compact - only 16" tall x 14" wide x 7" deep
- UL-listed NEMA 4X control system

Each of the control relays can either serve as a dry contact or can be flexibly configured to deliver 24vdc, 24vac, or 120vac. This allows the controller to directly operate solenoid valves, three-port valves, small air compressors or water pumps, and other low-power devices without the need for external power supplies or control relays. For more complex systems additional inputs and outputs can be added within the same compact enclosure.

