

AEGIS II Controller

The most innovative and flexible water treatment controller available!



The new AEGIS II provides reliable control and offers the most flexible communication options to optimize efficiency and profitability for all your cooling, boiler, and waste water or disinfection applications.

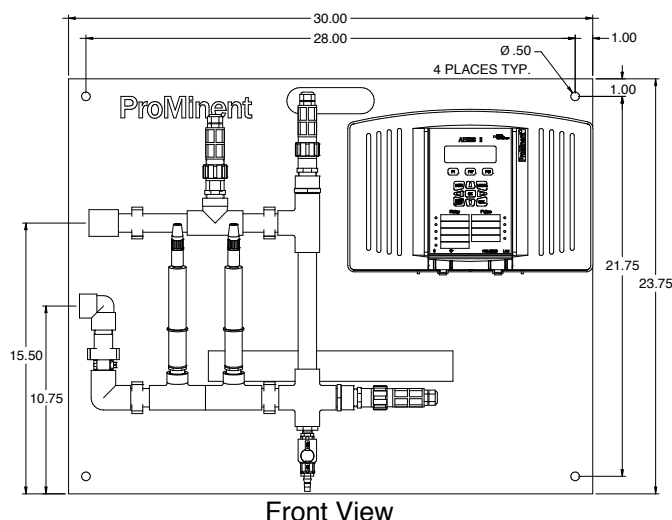
Features

- Built In Wireless Access Point and Ethernet
- New Keypad design for easy menu navigation
- Enhanced responsive browser views for Smart Phones and Tablets
- Fluorometer connection via 4-20mA or direct MODBUS
- 8 digital inputs for multiple flow meters or status indicators
- 10 Status LED's
- Integral Data Logger
- Optional MODBUS/BACnet communications
- 9 Flexible control outputs include: ON/OFF setpoint or time based control & Frequency (Pulse) Proportional or volumetric control
- Conductivity, pH, ORP, Corrosion, Chlorine, Bromine, Peracetic Acid, Chlorine Dioxide, Fluorescence and more



AEGIS II Controller

Example Engineered Package



Specifications

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	Rating - Detail	Notes
Analog-Digital I/O		
Conductivity Serial Sensor	Tower & Integral Flowswitch sensors	Default tower sensor includes 1 GPM integral flowswitch & temperature
Conductivity Sensor	Boiler & Condensate sensors	Standard sensor
Fixed Temperature Sensor Input	Thermal compensation for both pH and Conductivity	Displayed as °F, °C or °K
Fixed 4-20 mA Current Loop Input	Assignable to control any relay or variable frequency control	Single point calibration if 4 mA = 0
4-20 mA Current	DC isolated, Manual & Auto modes, Interlocking, Alarm	Each optional current output uses a dual sensor card slot
Manual-Inventory-Inputs	Track drop counts, inventory, tank level, ppm	Alarmed delay prevents premature system ppm alarms
Communications User Interface		
Keypad - OLED	9 Key tactile feedback, 3 Function keys, 4 line Backlit	
10/100 Mbps, TCP/IP Ethernet, WiFi, (Optional LAN, Modbus & Modbus RTU)	HTML micro web server with user definable IP address	Static IP Browser shows controller in real time
Controls for ON/OFF & Variable Frequency		
Sequential Volume Setpoints	Feed a fixed volume for every make-up volume	Meter only, fault tolerant feed controls
Blocking	Any of 9 controls may block any other control	Prevents incompatible concurrent controls
Interlocking	Up to 4 contact sets can be 'AND'ed or 'OR'ed	Relays & Frequency controls OFF when contact set opens
Biocide Event Controls	Each of 9 controls includes 28 timed events	Each control selectable for 1, 7 & 28 day cycles
System		
Electrical	100-240 VAC, 50/60 Hz, Single Phase	Universal power supply
Fusing for 2 AC powered loads	6.3 Amps @ 250VAC	Alarm on open AC load fuse
Surge Suppression	5 snubbed contacts	RC / Varistor on AC line input
Enclosure	Non-metallic, IP 65 / NEMA 4X	13.46" x 8.94" x 3.07" (342 x 227 x 78 mm) (WxHxD)

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