AEGIS II Controller

The most innovative and flexible water treatment controller available

ALL NEW

ProMinent®

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.*
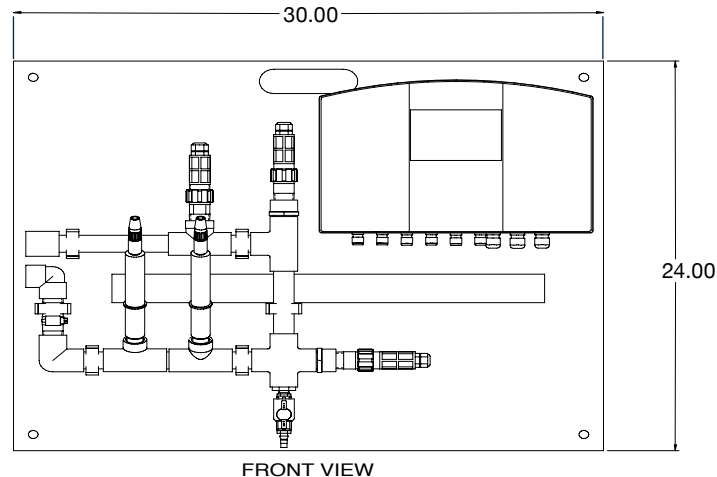
Features

- Built In Wireless Access Point, Bluetooth and Ethernet
- New Keypad design for easy menu navigation
- Enhanced responsive browser views for Smart Phones and Tablets
- Fluorometer connection via 4-20mA or (Future) direct MODBUS
- 8 digital inputs for multiple flow meters or status indicators
- 10 Status LED's
- Integral Data Logger
- (Future) 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, PAA, $CL0_2$, Fluorescence and more

AEGIS II Controller

Example Engineered Package

FRONT VIEW

Specifications

Specifications		
	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, Future 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)