AEGIS Controller

Process, Waste Water, Boiler and Cooling Tower Applications

The **ProMinent® AEGIS** controller is the perfect economical solution for process, cooling, boiler and waste water treatment applications that provides the latest in controller technology.

Features

- Inhibitor feed using PPM setpoints
- Volumetric timer controls
- Relay mirroring
- Optional ethernet communications
- MODBUS
- Industrial and Commerical sales
- Plug and Play Upgrades
- ProMinent® thermal flow switch

Benefits

- **Variable Frequency Pump Controls:** *Accurate and precise chemical feed using pulse outputs. Can also select On/Off control if desired.*
- **Data Logging:** *Data history provides sensor minimum, maximum and average. Also records pump run times, pump feed volume, calculated drum levels, water meter volume, tower run time.*
- **Exclusive Thermal Flow Switch:** *This exclusive design does not require user adjustment or calibration. Operates on 1GPM flow rate with no moving parts.*
- **Pump Integration:** *Select from popular ProMinent® pump models built into the AEGIS programming for accurate ppm feed, tank level and feed volume.*
- **Feed Inhibitor using ppm setpoints:** *Accurate and precise inhibitor feed by simply inputting desired ppm level based on inhibitor chemistry. Use with make-up water meter.*
- **Plug and Play Onsite Upgrades:** *The AEGIS features Plug and Play technology allowing the user to perform simple onsite upgrades and scalability.*
- **Program chemical feed based on drop tests:** *Program chemical feed by entering results of system testing using ppm, ml or drop tests. Enter the new value and desired alarm setpoints for worry-free chemical feed and control.*
- **Drum Level Alarms:** *Provides low level alarms without the use of level sensors. The AEGIS calculates volume fed and subtracts from tank inventory.*
- **Communications:** *Ethernet, cellular, land phone lines, Wireless EVDO. View our live demo at http://208.37.73.86:1008*

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Specifications

	Rating - Detail	Notes
Analog-Digital I/O		
Conductivity Sensor	Tower, Boiler, Condensate & Integral Flowswitch sensors	Default tower sensor includes 1GPM integral flowswitch
Fixed Temperature Sensor Input	Thermal compensation for both pH and Conductivity	Displayed as °F, °C or °K
Fixed 4-20mA Current Loop Input	Assignable to control any relay or variable frequency control	Single point calibration if 4mA=0
4 max. 4-20mA Current	DC isolated, Manual & Auto modes, Interlocking, Alarm	Each optional current output uses a dual sensor card slot
7 max. Manual-Inventory-Inputs	Track drop counts, inventory, tank level, ppm	Alarmed delay prevents premature system ppm alarms
Communications User Interface		
Keypad-LCD	5 Key tactile feedback, universal characters 2 line, backlit	Scan rate 100 mS nominal
10 Base T, TCP/IP Ethernet LAN (optional)	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 volume	Feed a fixed volume for every make-up controls	Meter only, fault tolerant feed
Blocking control	Any of 8 controls may block any other controls	Prevents incompatible concurrent
Interlocking	Up to 4 contact sets can be 'AND'ed or 'OR'ed	Relays & Frequency controls OFF when contact set opens
9 Biocide Event Controls	Each of 9 controls includes 28 timed events cycles	Each control selectable for 1, 7 & 28 day
System		
Power	120 or 230VAC, 50/60 Hz	Line voltage selectable
Fusing for 5 AC powered loads	5 Amps @ 120VAC or 2.5 Amps @ 230VAC	Alarm on open AC load fuse
Surge Suppression	Relay 2-5 N.O. contacts snubbed @ 0.1uF, 150 ohm	Varistor on AC line input
Accessory Power Fused @ 50mA	15-22VDC, Unregulated, Thermally	Auto-recovery on fault cleared
Enclosure	Non-metallic, NEMA 4X	7.5"W x 11.3"H x 5.5"D (190mm W x 287mm H x 140mm D)
Certifications		
CSA: Pending		CSA tested to comply with UL (Pending)