The ProMtrac water treatment controller from Aquatrac provides the latest in water management technology. With available options, the ProMtrac controller is designed to provide the highest degree of control and flexibility with low cost metering pumps.

The ProMtrac is available as a stand-alone controller or complete packaged system suitable for use in any cooling system. It will control chemical & water costs by maximizing cooling tower cycles and accurately controlling feed pumps using pulse outputs instead of on/off control. Selectable options allow you to optimize the benefits of a low cost controller.

Features

- Combination conductivity & thermal flow sensor
- 4 relay outputs
  - 1 blowdown valve relay output
  - 3 digital pulse outputs for chemical pumps
- Selectable inhibitor feed
- Dual 28 day biocide timers
- Optional pH or ORP Control
  - In lieu of second biocide
- 5-key universal keypad
- 2 line, 16 character backlit display
- Built-in diagnostics
- NEMA 4X Enclosure
- Optional packaged backplane system
- System comes standard with ProMinent® ConceptPLUS metering pumps
  - Integral bleed valve prevents “loss of prime”
  - PVDF wet ends eliminate compatibility concerns

Communication Options

- Ethernet Networking using web browser*
- 4-20 mA conductivity output
- Dry contact alarm relay

NOTE: may only select one option
* no additional software necessary
## ProMtrac
### Cooling Tower Controller

#### Specifications

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<th>Rating—Detail</th>
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<td><strong>Analog—Digital I/O</strong></td>
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| Combo Conductivity Sensor with thermal flow switch | Auto ranging from 100uS to 10000uS
| Temperature | 35°F to 125°F (5°C to 53°C)
| pH Sensor (optional) | 0—14pH
| ORP Sensor (optional) | 0—500mV
| 4-20mA Output (optional) | Single DC Isolated Loop Powered
| Digital Inputs (2) | 1 Water Meter, 1 Flow Switch
| Relay Output | 1 SPST
| Digital Outputs | 3 variable frequency controls for 0 to 400 SPM pumps
| Alarm Relay (optional) Dry Contact set | 500mA, 24VDC

| **Communications User Interface** | |
| Keypad—LCD | 5 Key Tactile Feedback, Universal Characters
| 10Base T, TCP/IP Ethernet LAN (optional) | HTML micro web server with User defined static IP

| **Controls** | |
| Bleed | On conductivity, volume or time
| Inhibitor Feed | On PPM setpoints, bleed based or time
| Timed Biocides | User set volume for each event
| ORP | Proportional frequency control
| pH | Proportional frequency control
| Interlocking | Flowswitch OFF stops pumps & bleed
| Blocking | Optionally block inhibitor on biofeed

| **System** | |
| Electrical | 120 / 240VAC 50/60 Hz
| Fusing | 5 Amps @ 120VAC
| Surge Suppression | Relay snubbed @ 0.1uF, 150ohm
| Accessory Power | 15-22VDC Unregulated, thermally fused @ 50mA
| Enclosure | Non-Metallic NEMA 4X, IP67

| **Certifications** | |
| CSA: Pending | CSA tested to comply with UL

**PRT-CTF-IN-TB-TB** Conductivity Control, Selectable Inhibitor Feed & Dual Biocide Timer *
**PRT-CTF-IN-OX-TB** Conductivity Control, Selectable Inhibitor Feed, ORP Control & Single Biocide Timer *
**PRT-CTF-IN-PH-TB** Conductivity Control, Selectable Inhibitor Feed, pH Control & Single Biocide Timer *

CL  4-20mA Output on Conductivity, pH or ORP ** (Fully isolated output, Loop Powered)
LB  Ethernet Networking **
AR  Alarm Contact **

* Conductivity Sensor includes a 3/4" NPT SCH80 PVC 'T' and Thermal Dispersion Flow Sensor.
** Select only one communication option, LB, CL or AR. Communications options cannot be combined.