

Cooling Tower Control ProMtrac— from ProMinent

Experts in Chem-Feed and Water Treatment

ProMinent's ProMtrac water treatment controller provides the latest in water management technology. With available options the ProMtrac controller is designed to provide the high degree of control and flexibility with low cost pulse pumps.

Features

- Combo Conductivity Sensor & Flow Switch
- Digital Inputs for Water Meter & Flow Switch
- One Relay Output for Bleed Valve
- Three pulse outputs control up to 3 pumps
- 5-Key Universal Keypad
- 2 Line, 16 Character Backlit Display
- Built-in Diagnostics

Available Options

- Web Browser
 - Wall mount backplane package
 - LAN Accessible, Static IP or DHCP
 - pH Control
 - ORP Control
 - Dry Contact Alarm Relay
 - Single 4-20mA Output
- (Options Limited by Controller Configuration)

Compact Design

- NEMA4X Enclosure
- 120VAC, 60Hz
- Bleed Valve Plug connection
- CSA / CE / UL Certifications Pending



ProMtrac

options and identcode



ProMinent Fluid Controls, Inc. (US)

136 Industry Drive
Pittsburgh, PA 15275-1014
Phone: (412) 787-2484
Fax: (412) 787-0704
eMail: sales@prominent.us
Internet: www.prominent.us

ProMinent Fluid Controls Ltd. (CAN)

490 Southgate Drive, Guelph, Ontario, Canada N1G 4P5
Toll Free: 1-888-709-9933
Phone: (519) 836-5692
Fax: (519) 836-5226
eMail: sales@prominent.ca
Internet: www.prominent.ca

	Rating—Detail	Notes
Analog—Digital I/O		
Combo Conductivity Sensor with thermal flow switch	Auto ranging from 100uS to 10000uS	Single point calibration Temperature Compensated
Temperature	32°F to 125°F (0°C to 53°C)	Displayed as F or C
pH Sensor (optional)	0—14pH	
ORP Sensor (optional)	0—500mV	
4-20mA Outputs (optional)	Single DC Isolated Loop Powered	User definable span
Digital Inputs	2, 1 Water Meter, 1 Flow Switch	User configurable as water meters or contact sets
Relay Output	4 SPST	1 Fused relays, 3 Dry contact
Digital Outputs	3 photorelays	Pump pulse control
Alarm Relay (optional) Dry Contact set	un-fused	Normally Closed Contact, open on alarm
Communications User Interface		
Keypad—LCD	5 Key Tactile Feedback, Universal Characters	Scan rate 100 mS nominal
	2 Line x 16 Character, Backlit	User adjustable contrast
10Base T, TCP/IP Ethernet LAN (optional)	HTML, Telnet Micro Web Server with User definable IP address & port	Browser shows controller in real time
Controls		
Relay Pulse	Pulse controlled pumps	Any relay can be configured for any control
Volumetric	User set, PPM, measure volume & pump on time	Sequential control, measures make-up volume then bleeds for user set volume
Interlocking	1 to 4 contact set inputs, AND & OR support	Relay OFF when contact set opens
Blocking	1 to 4 outputs may block any other output	Support for common Oxidant-Inhibitor feed
Alarms—Feed Limit Timers	Minutes per Actuation & Day	User defined on Feed Limit
Variable pulse	3, for pumps up to 400 spm	Common ProMinent pumps selectable
System		
Electrical	120 / 240VAC 50/60 Hz	Switch Selectable
Fusing	5 Amps @ 120VAC	Relay Fused @ 5A.
Surge Suppression	Relays 1-4 N.O. Contacts snubbed @ 0.1uF	Controller Isolated from AC Line
Accessory Power	15-22VDC Unregulated, thermally fused @ 200mA	
Enclosure	Non-Metallic NEMA4X, IP67	6.75" x 6.5" x 3.5" (171mm x 165mm x 89mm) H-W-D
Certifications		
CSA: Pending (Pending)	CSA tested to comply with CE (Pending)	CSA tested to comply with UL

PRT-CTF-IN-TB-TB

Conductivity Control, Selectable Inhibitor Feed & Dual Biocide Timer

Conductivity Sensor includes an 3/4" SCH80 PVC Slip 'T' and Thermal Dispersion Flow Sensor, Dual 28 Day Biocide timers, Make-up and Bleed water meter inputs

PRT-CTF-IN-OX-TB

Conductivity Control, Selectable Inhibitor Feed, ORP Control & Single Biocide Timer

Conductivity Sensor includes an 3/4" SCH80 PVC Slip 'T' and Thermal Dispersion Flow Sensor, ORP Control with Feed Limit Timer, Single 28 Day Biocide timer, Make-up and Bleed water meter inputs

PRT-CTF-IN-PH-TB

Conductivity Control, Selectable Inhibitor Feed, pH Control & Single Biocide Timer

Conductivity Sensor includes an 3/4" SCH80 PVC Slip 'T' and Thermal Dispersion Flow Sensor, pH Control with Feed Limit Timer, Single 28 Day Biocide timer, Make-up and Bleed water meter inputs

CL 4-20mA Output on Conductivity *Fully isolated output, Loop Powered.

LB Ethernet Networking *

AR Alarm Contact *

* Select only one communication option, LB, CL or AR. Communications options can not be combined.

ProMtrac COOLING TOWER CONTROLLER

 **More information**

ProMinent Fluid Controls, Inc. (US)

136 Industry Drive
Pittsburgh, PA 15275-1014
Phone: **(412) 787-2484**
Fax: **(412) 787-0704**
eMail: **sales@prominent.us**
Internet: **www.prominent.us**

ProMinent Fluid Controls Ltd. (CAN)

490 Southgate Drive,
Guelph, Ontario, Canada N1G 4P5
Toll Free: **1-888-709-9933**
Phone: **(519) 836-5692**
Fax: **(519) 836-5226**
eMail: **sales@prominent.ca**
Internet: **www.prominent.ca**