

Browser Manual ProMinent[®] ProMtrac Cooling Tower Water Treatment Controller

ProMtrac_Browser_Manual.docx (5/23/13): - pn.



Please completely read through these operating instructions first! Do not discard! The warranty shall be invalidated by damage caused by operating errors!

ProMinent Fluid Controls, Inc. (USA) 136 Industry Drive, Pittsburgh, PA 15275

Contents 1 of 2



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I/O Space Wiring Navigation



Sidebar:

The physical connection points for inputs & outputs are designated by letters (A-K) for inputs & 4-20mA outputs & numbers (1-5) for control relays

Using letters & numbers provides a way to refer to wiring points and I/O locations while allowing users to change the names of these location to fit their site.

For Example: The bromine feed may be user labeled 'Feeder 123' but the wiring location is always Relay No.3 & a '**3**' tags the browser pages & the LCD displays

Login Browser Navigation 1 of 3

On-Site using a Notebook PC to a ProMtrac not on the Site LAN

- A. You'll need an Ethernet patch cable & a crossover adapter available from office supply & electronics stores; Example: Office Depot #942378,.
- B. You'll need to set up a new connection in your notebook or PC. Refer to **Connect** @ end of manual

Open the controller enclosure door, remove the lower access panel and jack into the controller Ethernet jack located @ the bottom center of the controller circuit board.

Start Internet Explorer or Mozilla's Firefox.



Notebook PC & Over the Site LAN

Key the controller IP address into the PC's browser address.

You can find the controller's IP address using the controller keypad (default = **10.10.6.106**). Refer to **Connect** @ end of manual.

🖉 Internet Explorer cannot display the webpage - Windows Internet Explorer			
File Edit View Favorites Tools Help	Put the controller's IP		
🚖 🛠 🏉 Internet Explorer cannot display the webpage	address here & ENTER		

Login Browser Navigation 2 of 3



Note: Views are optimized for limited resolution displays, notebook & netbook PCs at 1024 x 768 pixels.



Login Browser Navigation 2 of 3

The selector at the top, right side of the browser page navigates to both System & I/O pages.



ProMtrac Browser **System** Configure - Diagnostic



System Ethernet



System View Icons



ProMtrac Browser System Passwords



System Time & Date



Sensors Calibrate



Sensors Configure 1 of 2



Sensors Configure 2 of 2



Sensors Alarms 1 of 2



Sensors Alarms 2 of 2



Sensors Diagnostic 1 of 2



Sensors Diagnostic 2 of 2



Sensors 4-20mA Outputs





Controls Auto / Prime / Stop



Controls Setpoint 1 of 2



ProMtrac Browser Controls Setpoint 2 of 2



Controls Configure 1 of 4





Controls Configure 2 of 4

Bleed Sole	enoid:1 Configure	Note: Select a bleed control method that works with the	
Status	Reconfigured	Ratio of conductivities may be inappropriate for a tower with a long holding time & frequent make-up	
Descripti	on Bleed Solenc	aid water conductivity changes	
Control b	y: Tower/Make-u	p Ratio	
TurnON set	point 3.00 cyc	In this example, we're using the ratio of Tower to Make-up conductivity to	
TurnOFI setpoin	F 2.90 cyc	control the cycles of concentration, so both the the setpoint and the deadband are in cycles.	
Interlock	ed Flowswitch		
Deadbar	nd 0.10 cyc		
Oxidant Pump :3	Configure 💌		
Status	Reconfigured	Prebleed turns on the bleed before a timed feed event. If the conductivity measures 500uS before 35.0 minutes	
Description	Oxidant Pump	elapses, Prebleed ends & the feed event starts	
TurnON setpoint	425 m∨		
TurnOFF setpoint	431 m∨	//	
Interlocked	Flowswitch	Lockout prevents the bleed from turning ON to allow kill	
Prebleed	35.0 minutes	times. Typically more common with non-oxidixizing biocides.	
Prebleed to	500 US	Lockout time starts at the beginning of the feed event time.	
Lockout	90.0 minutes		
Event Cycle	7 Day	Event ORP controls Oxidant Pump during timed events	
	720.0 mV		
Deadband	6 mV		
RÉSET	SUBMIT	Default Deadband varies with sensor type	

Controls Configure 3 of 4



Controls Configure 4 of 4



Controls Alarms 1 of 3



Controls Alarms 2 of 3



Controls Alarms 3 of 3



Oxidant Pump :3	Alarms
Status	Alarmed
Alarms Disable	Ves Yes
ON Timeout	163.0 minutes
Prime time	7.5 minutes If an control or sensor alarms,
OFF on Alarm	• Yes • Yes • No • No • Yes • Ye
Alarm Relay	O Yes ⊙ No
Reset Alarm	O Yes ⊙ No
Limit,ON timer	12:23 09/11/12
REFRE	сн сивміт

Controls Biocide Feed Events



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Controls Diagnostic



Connect Ethernet Set-up 1 of 3, Windows

Windows operating systems have a simple way to find the Ethernet setup parameters:



You can use either the Keypad-LCD interface or the browser to setup the controller's IP Address, Netmask, Gateway & Primary DNS.

Connect Ethernet Set-up 2 of 3, Windows 7



Connect Ethernet Set-up 3 of 3, Windows 7

