Browser Manual
ProMinent® ProMtrac
Cooling Tower
Water Treatment Controller

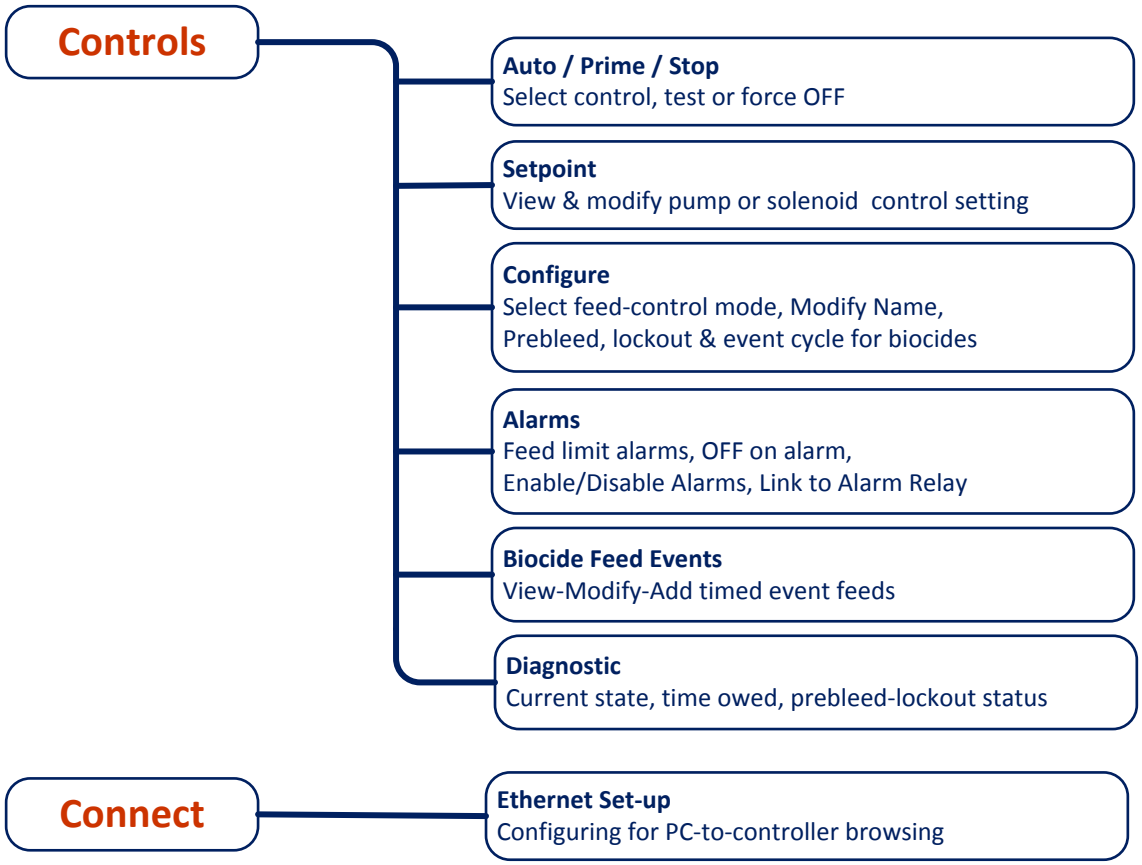
ProMtrac_Browser_Manual.docx (5/23/13) rev1: – pn. 7501088

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

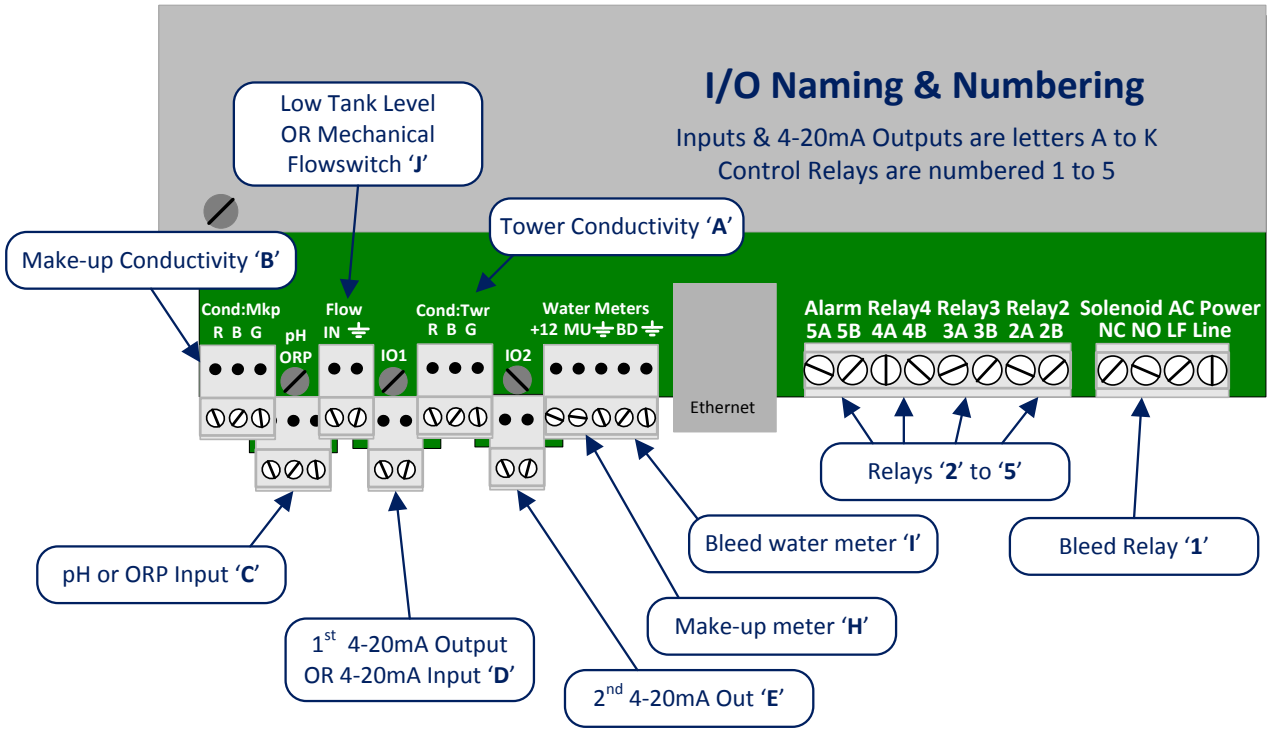
ProMinent Fluid Controls, Inc. (USA) 136 Industry Drive, Pittsburgh, PA 15275

Contents 1 of 2

Contents 2 of 2



I/O Space Wiring Navigation



Manual Input '**G**'

Input 'G' may be used for the result of a chemical test, hardness, ppm... it's logged and alarmed like any other sensor value

Water Temperature '**F**'

Thermal Flowswitch '**K**'

Inputs '**F**' & '**K**' are part of the data stream from the digital tower conductivity sensor connected to input '**A**'. They are individually logged & alarmed.

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

ProMtrac Browser
Login Browser Navigation 1 of 3

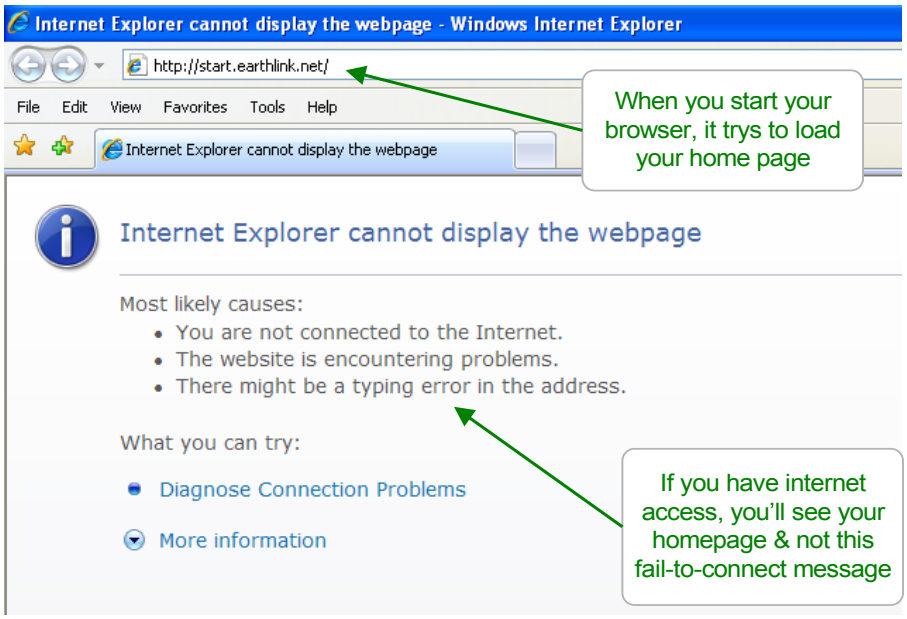
On-Site using a Notebook PC to a ProMtrac not on the Site LAN

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

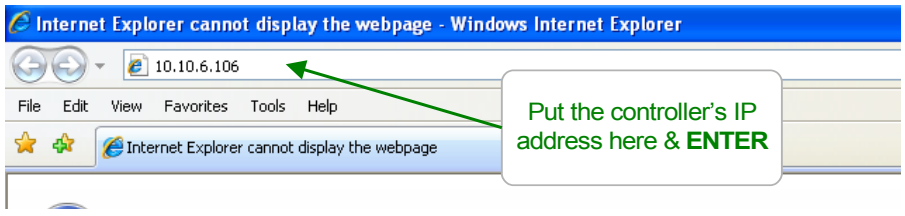
Open the controller enclosure door, remove the lower access panel and jack into the controller Ethernet jack located @ the bottom center of the controller circuit board.

Start **Internet Explorer** or **Mozilla's Firefox**.

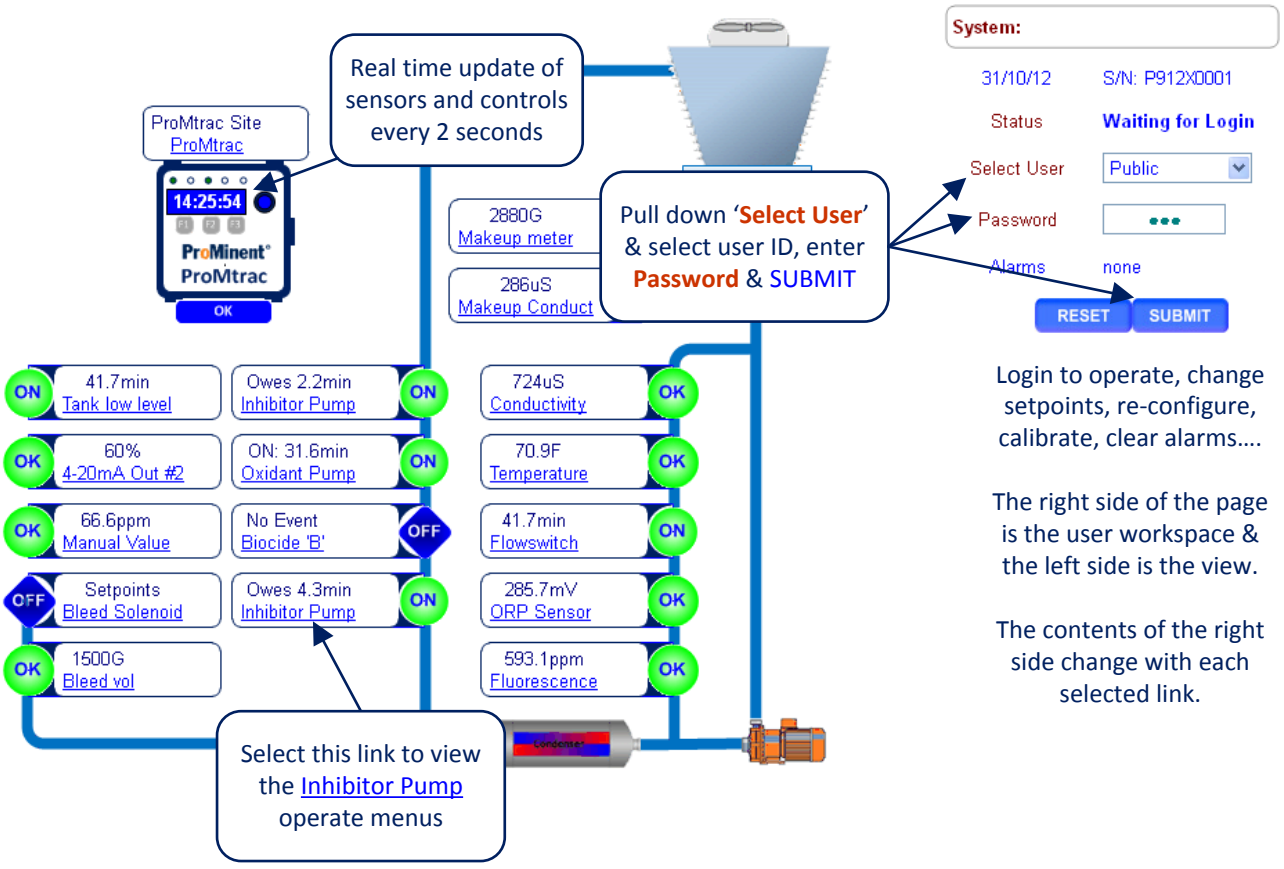


Notebook PC & Over the Site LAN

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.



ProMtrac Browser
Login Browser Navigation 2 of 3



Login to operate, change setpoints, re-configure, calibrate, clear alarms….

The right side of the page is the user workspace & the left side is the view.

The contents of the right side change with each selected link.

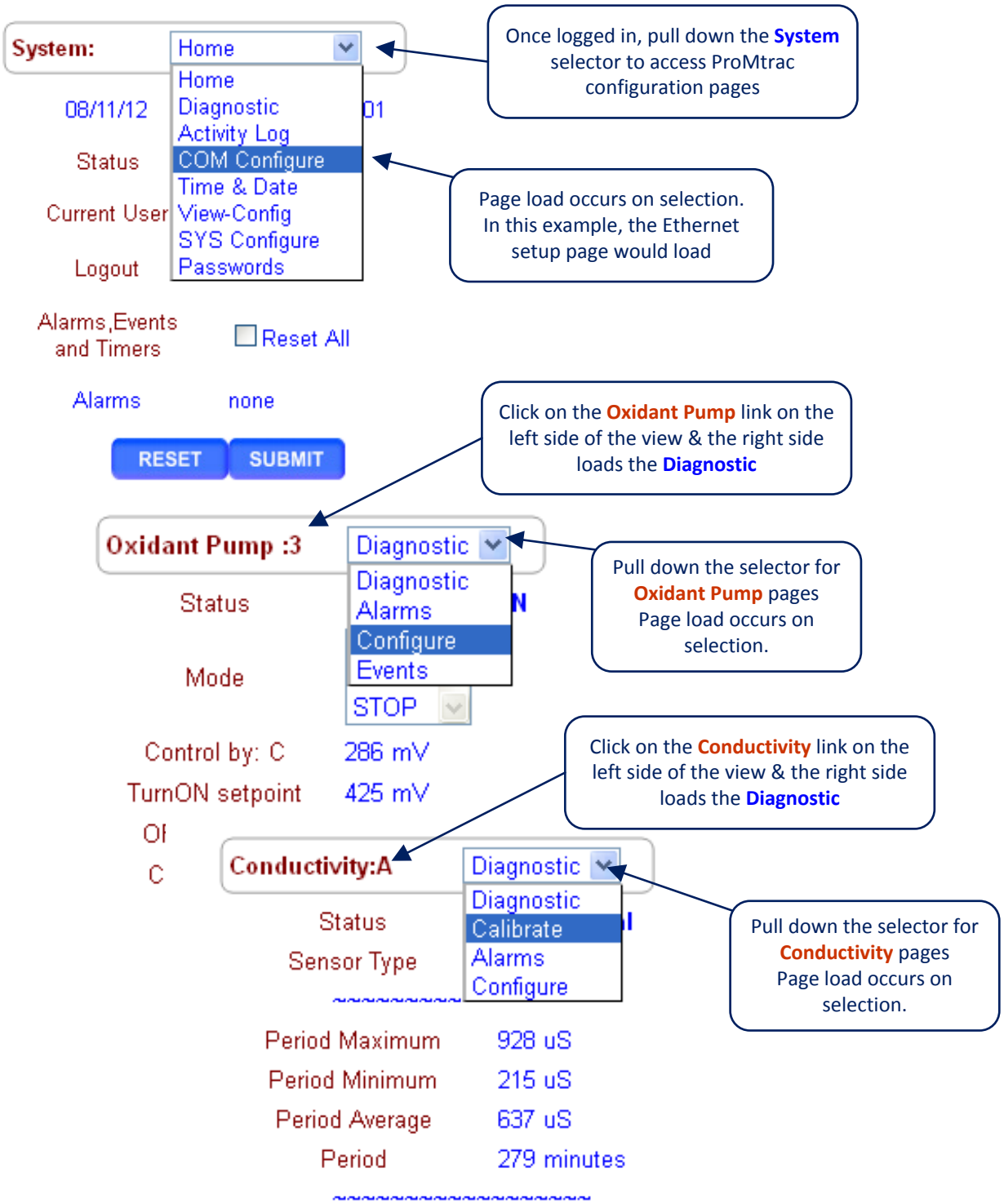
Note: Views are optimized for limited resolution displays, notebook & netbook PCs at 1024 x 768 pixels.

Default Passwords:
The factory default userids & passwords are:
Operator1 = **1** Operator2 = **2** Operator3 = **3** Operator4 = **4**.
Configure5 = **5** Configure6 = **6** Configure7 = **7** Administrator = **AAAA**
There are 3 password levels, Operator, Configure and Administrator.
The User IDs are used in the controller's keypress log.

WARNING: 5 incorrect passwords, blocks logon until 7:00AM or until a power OFF/ON.

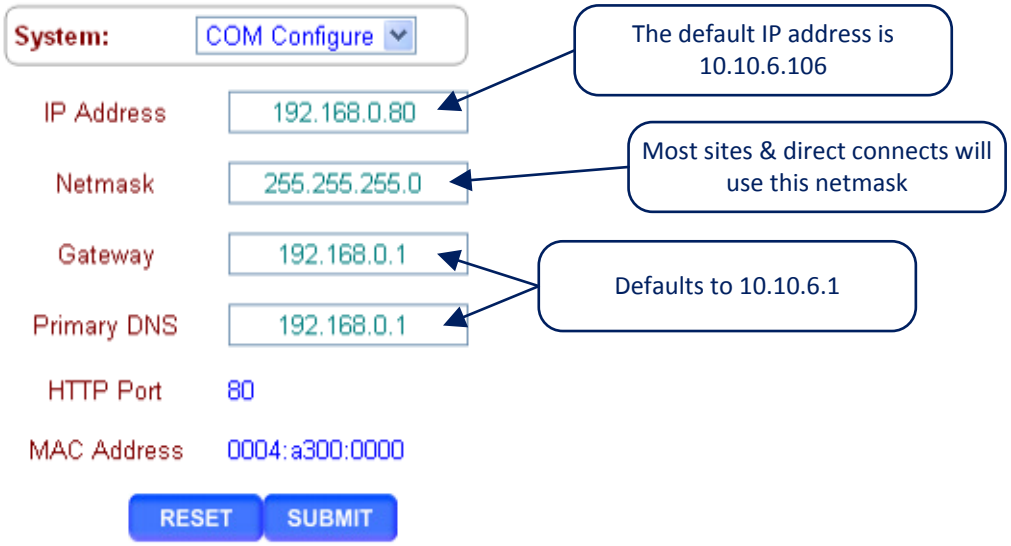
Login Browser Navigation 2 of 3

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

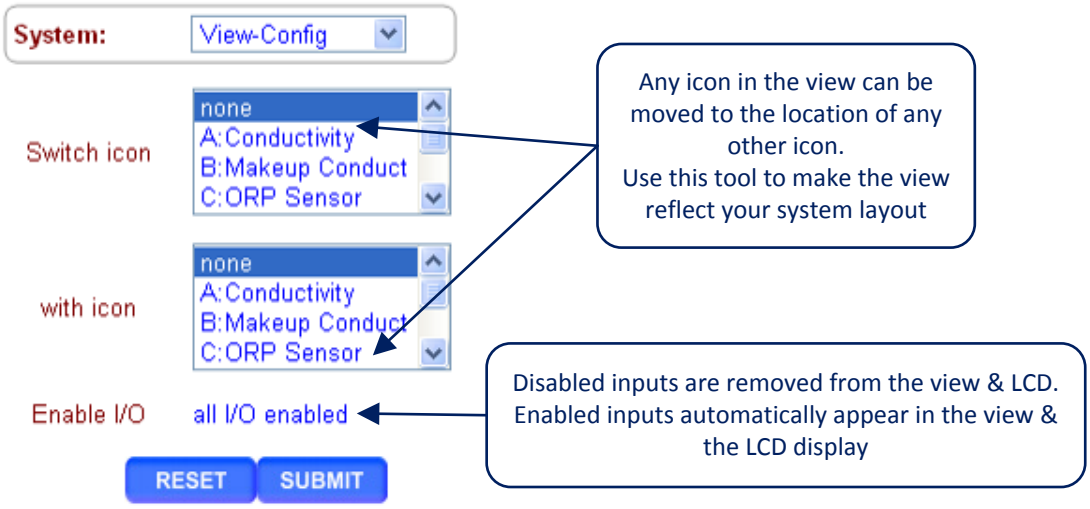


ProMtrac Browser
System Configure - Diagnostic

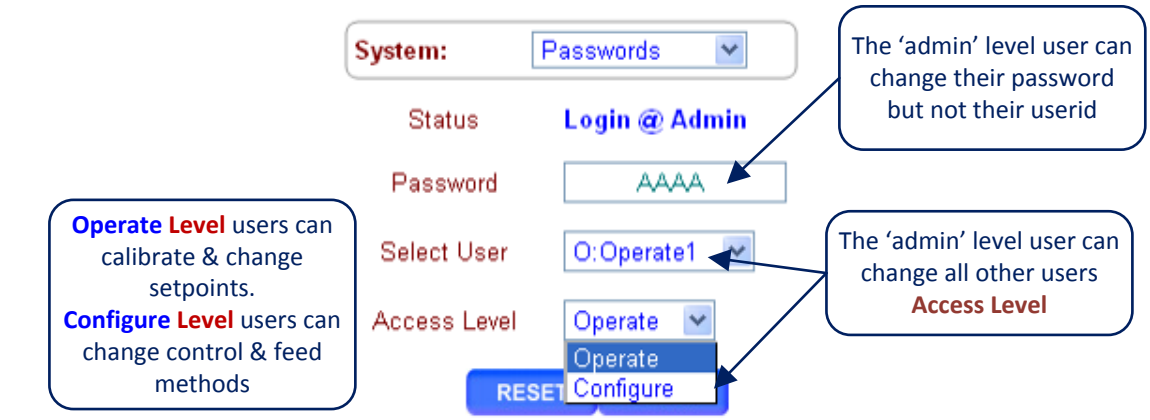
System Ethernet

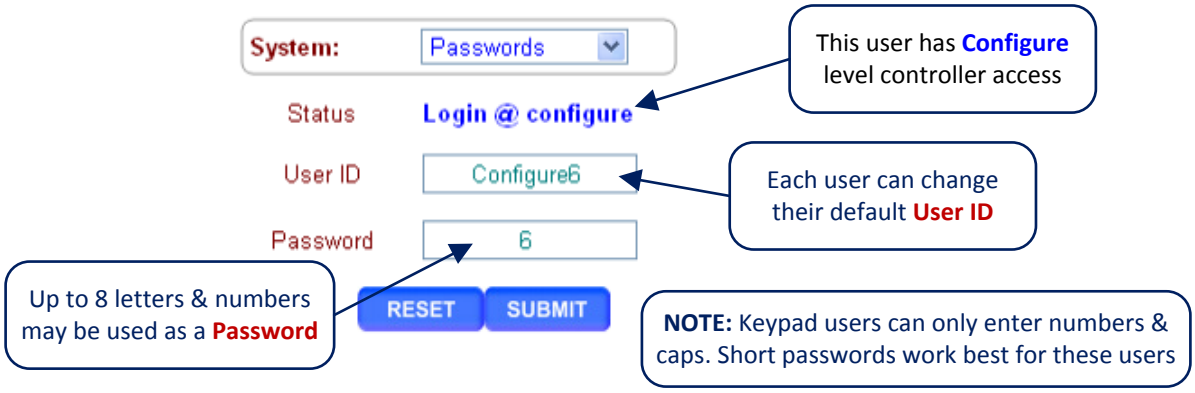


System View Icons

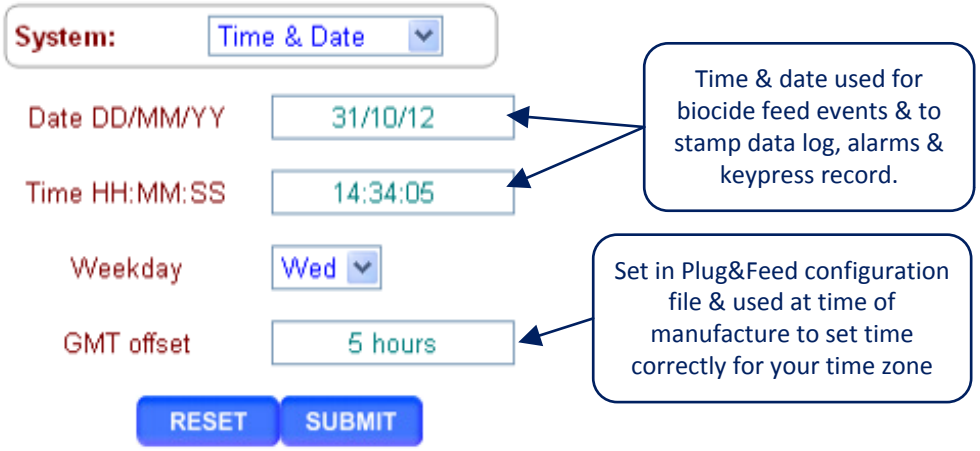


System Passwords

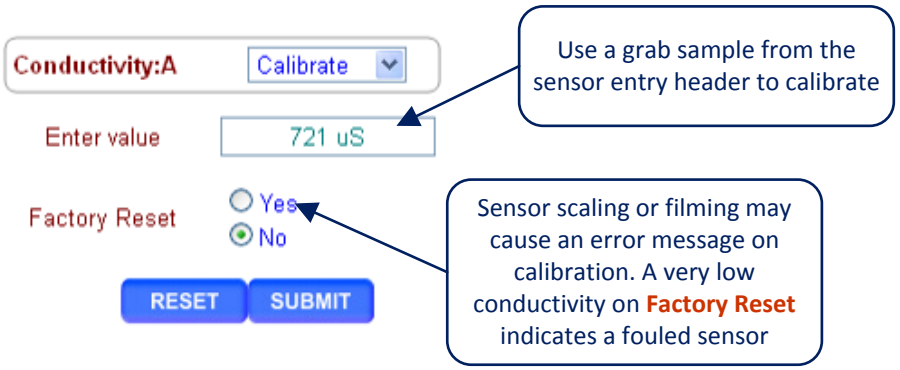


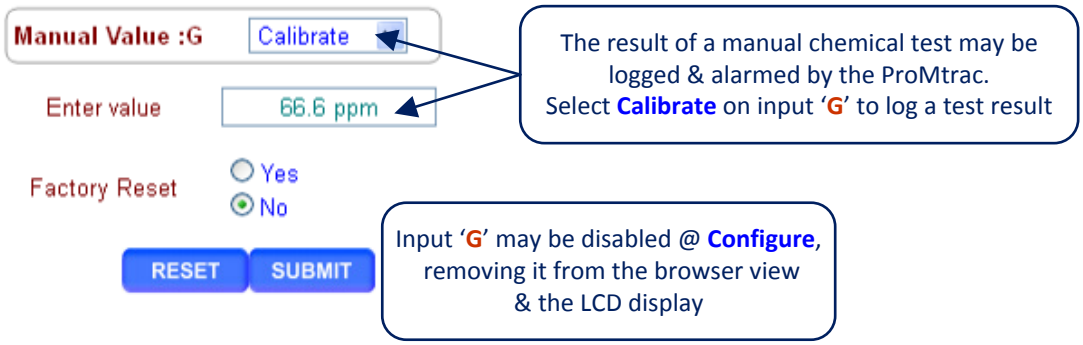


System Time & Date

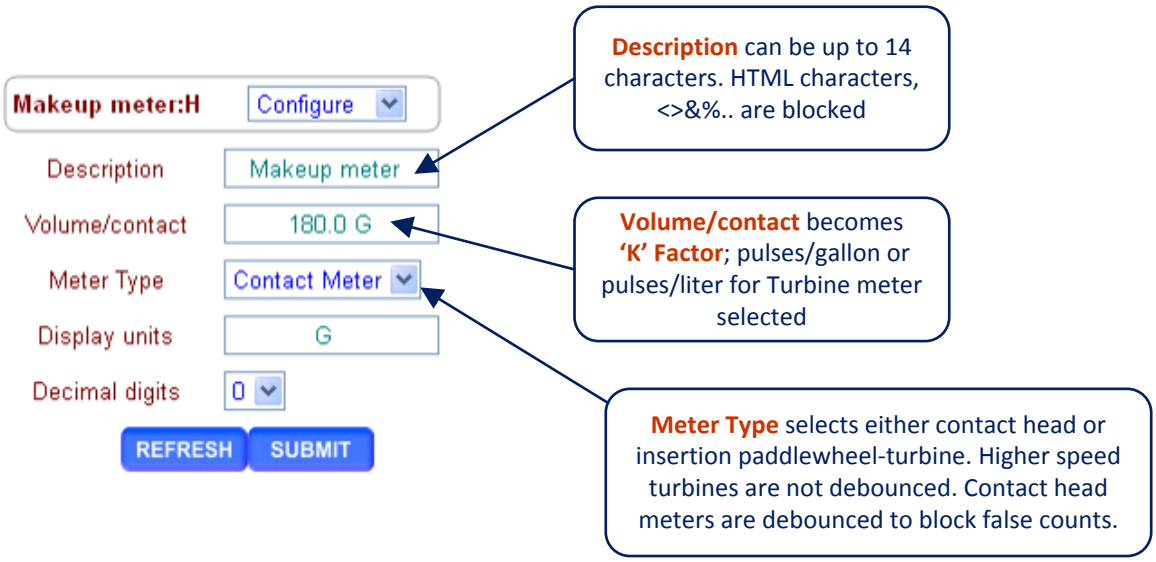


Sensors Calibrate

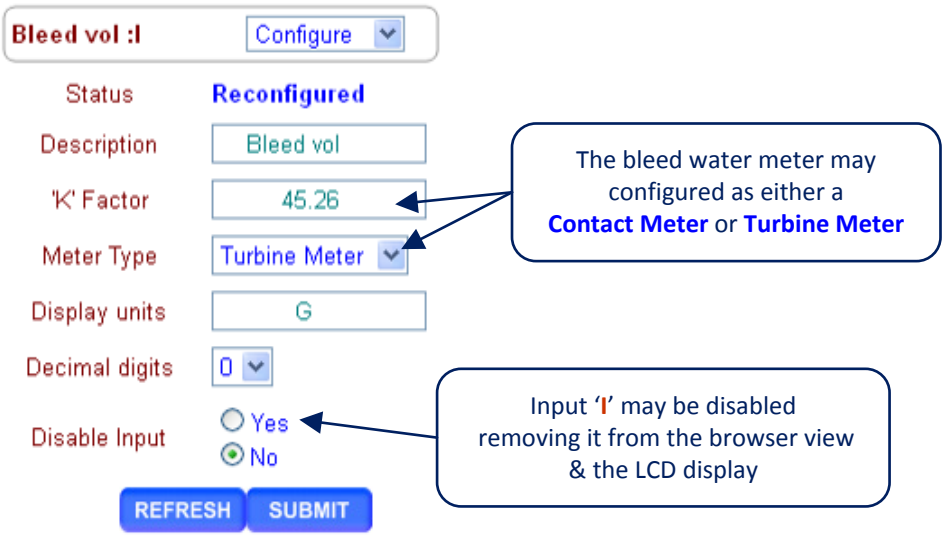




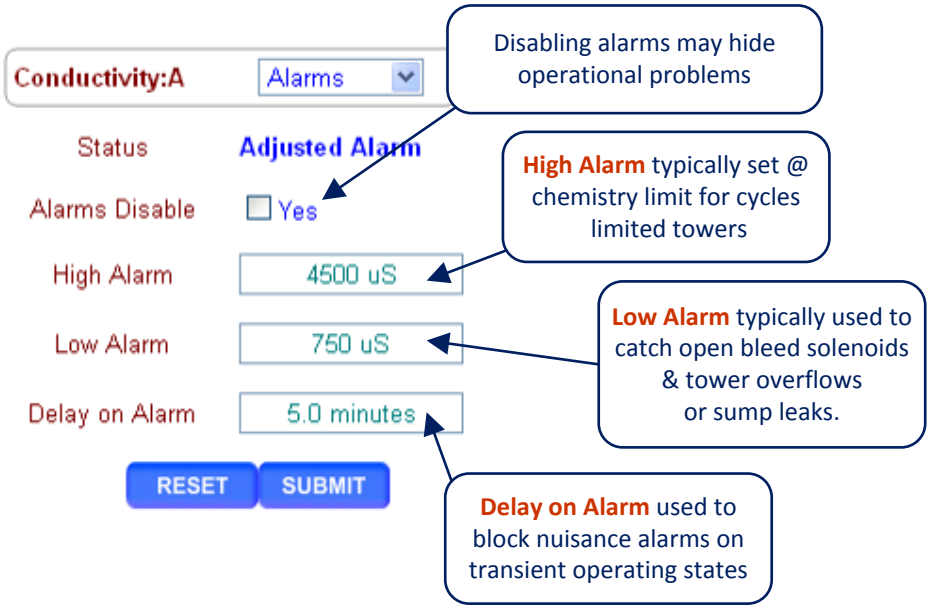
Sensors Configure 1 of 2



Sensors Configure 2 of 2

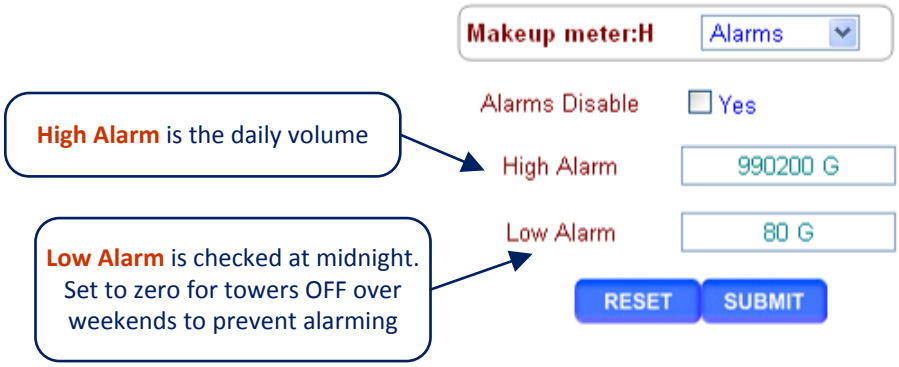


Sensors Alarms 1 of 2

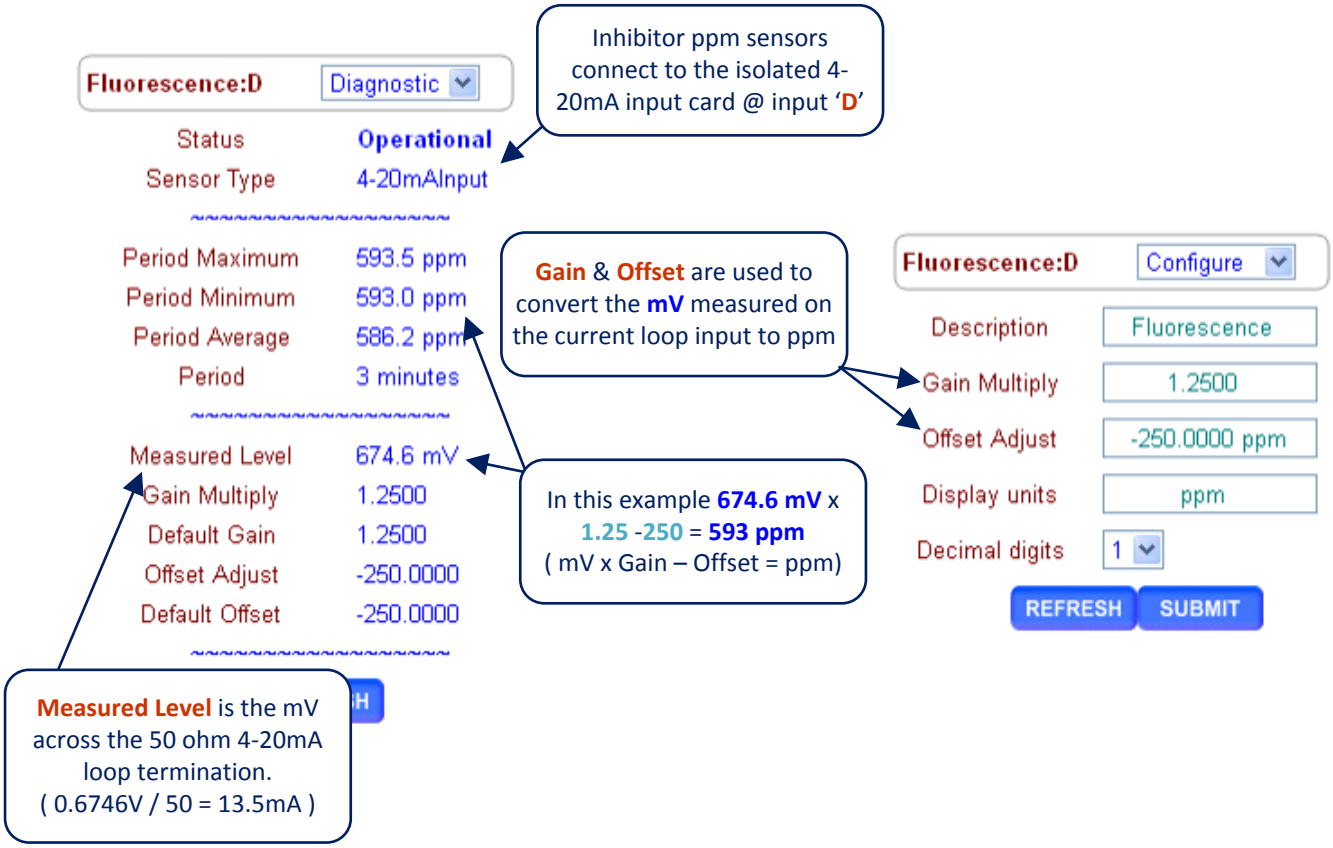


ProMtrac Browser

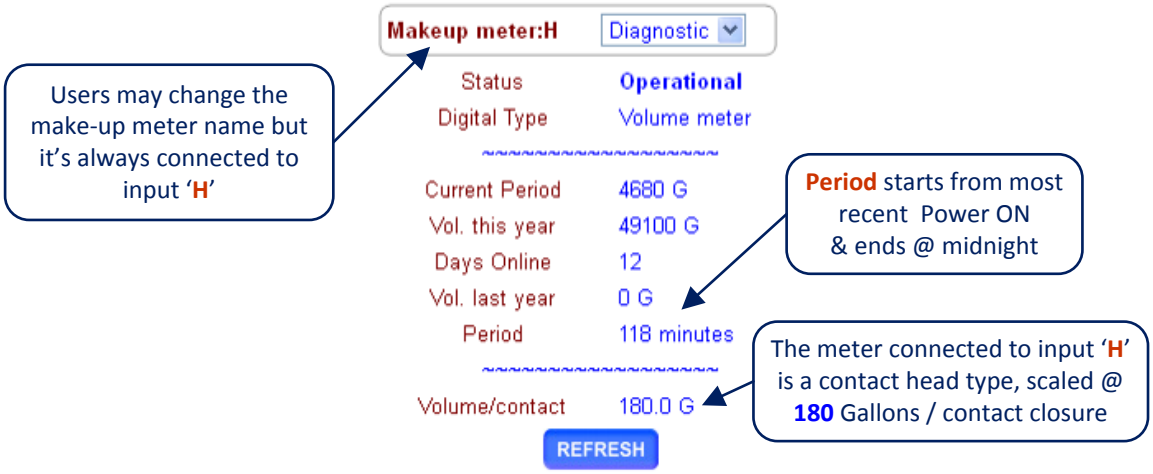
Sensors Alarms 2 of 2



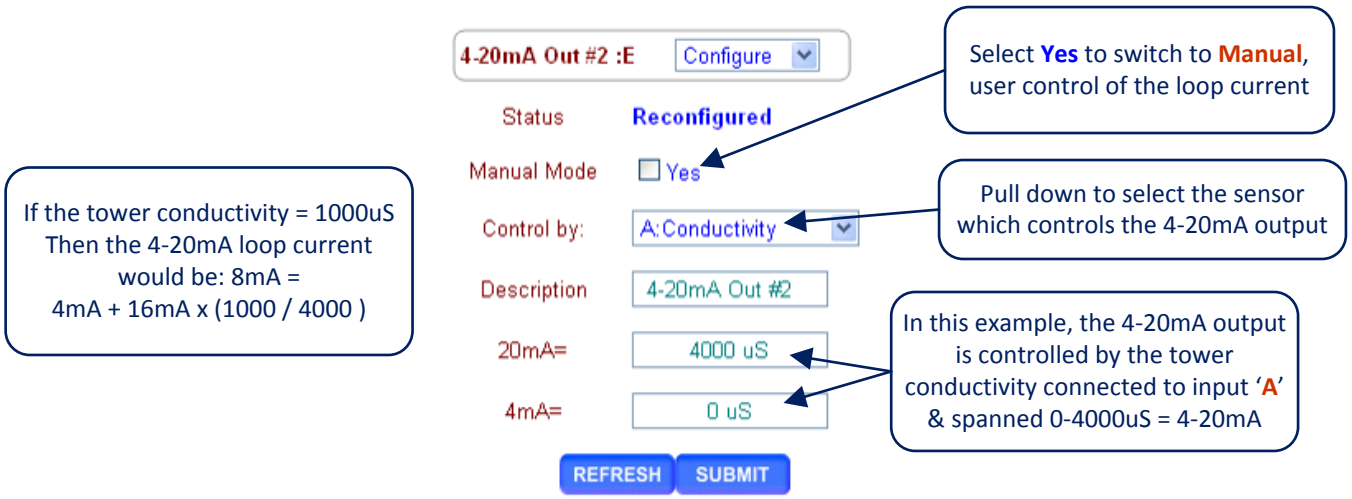
Sensors Diagnostic 1 of 2

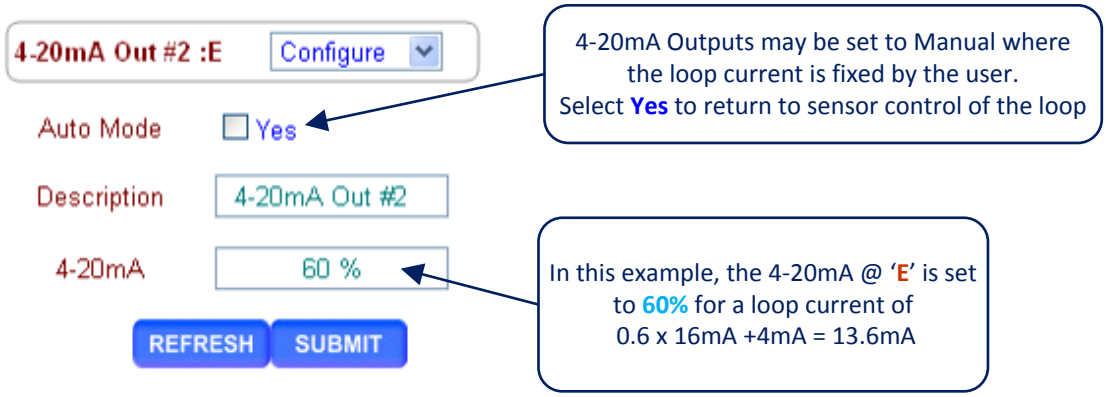


Sensors Diagnostic 2 of 2

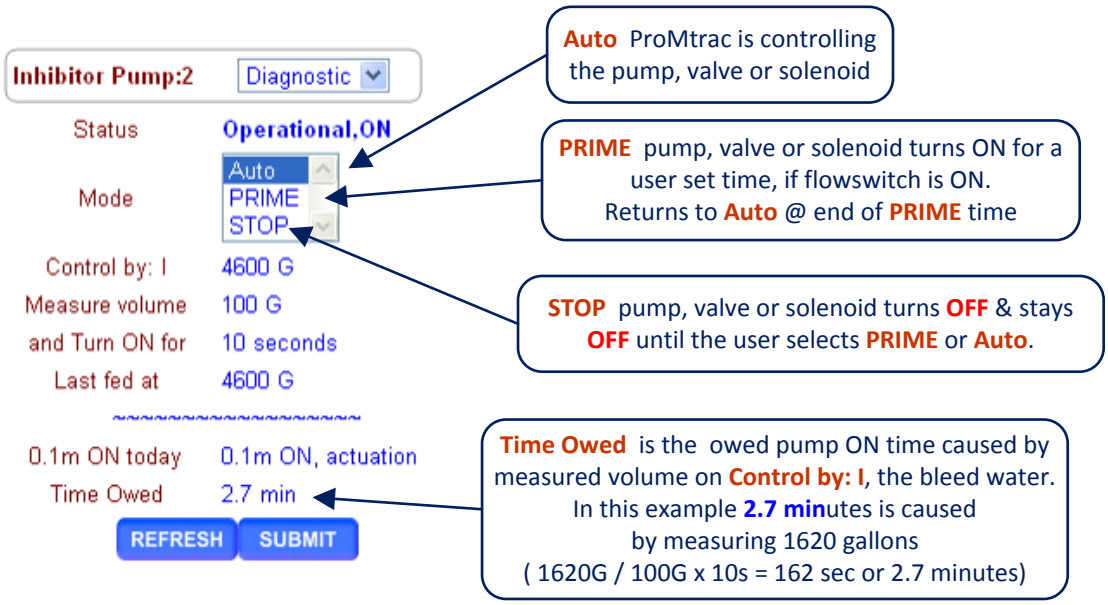


Sensors 4-20mA Outputs

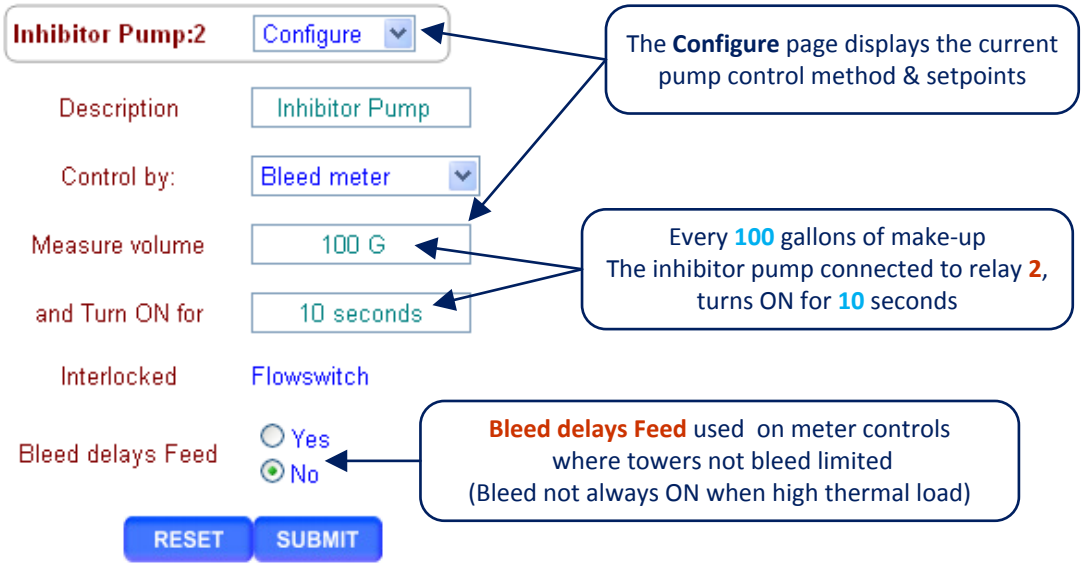




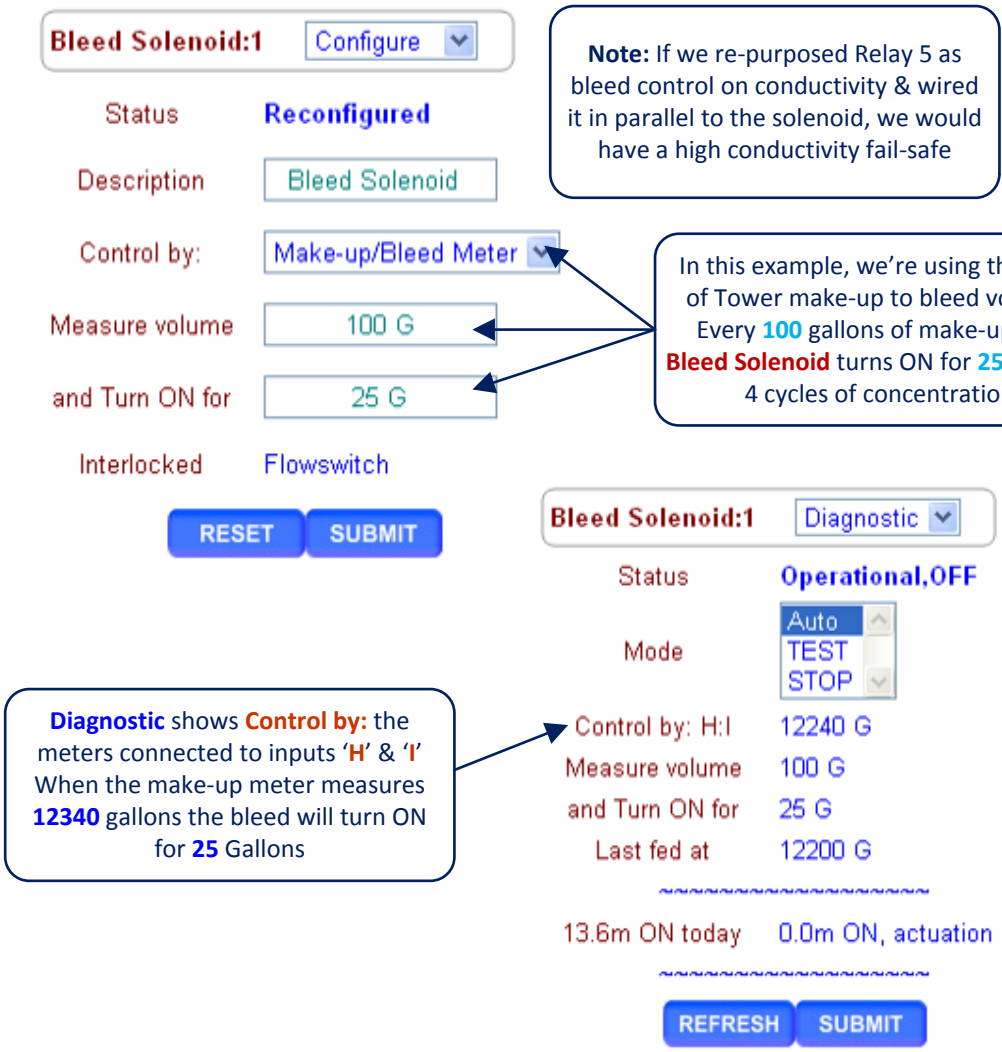
Controls Auto / Prime / Stop



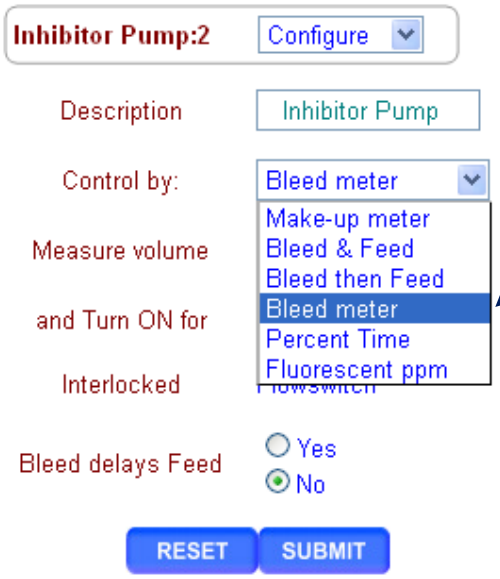
Controls Setpoint 1 of 2



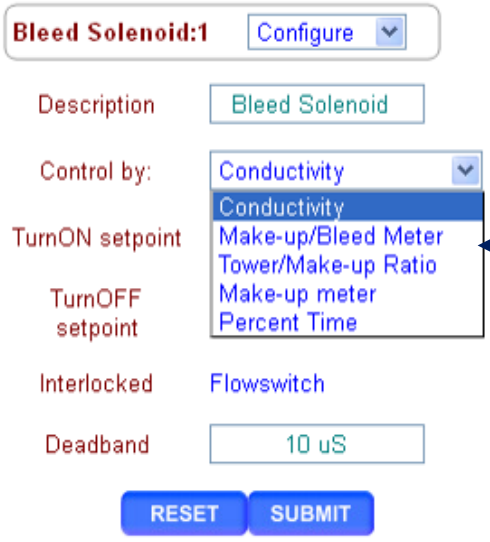
ProMtrac Browser
Controls Setpoint 2 of 2



Controls Configure 1 of 4

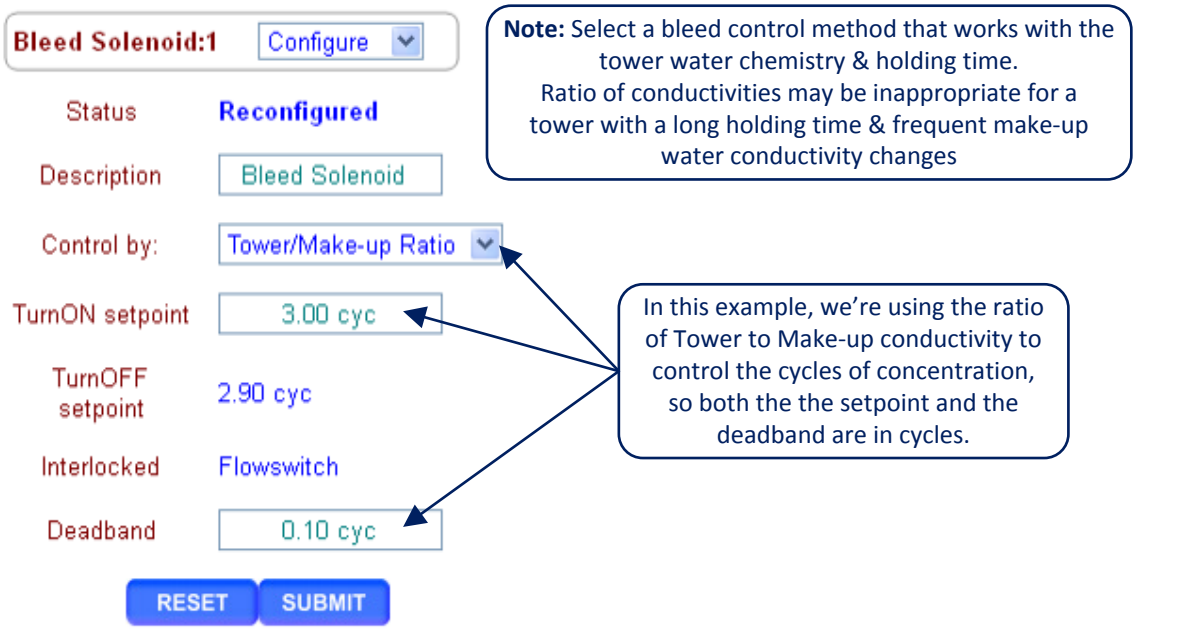


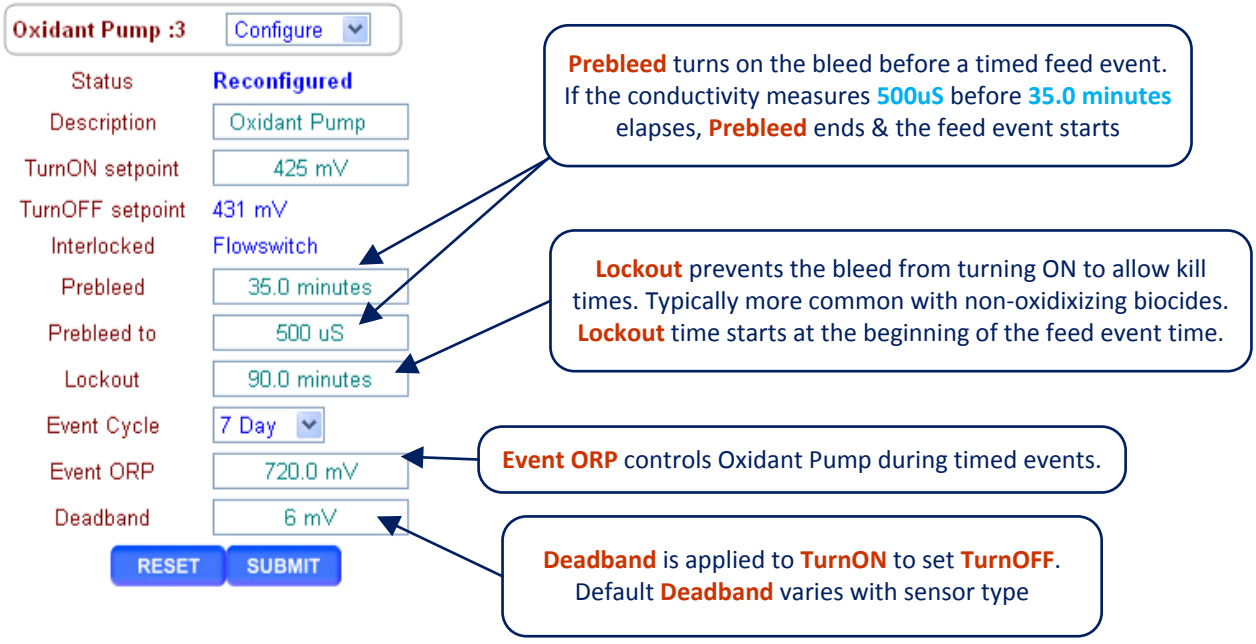
Make-up or **Bleed meter** provides reliable & accurate feed controls.
Bleed & Feed and **Bleed then Feed** typically used on smaller towers.
Percent Time used to slug on start-up or to bridge maintenance or sensor problems.
Fluorescent offered if option card installed



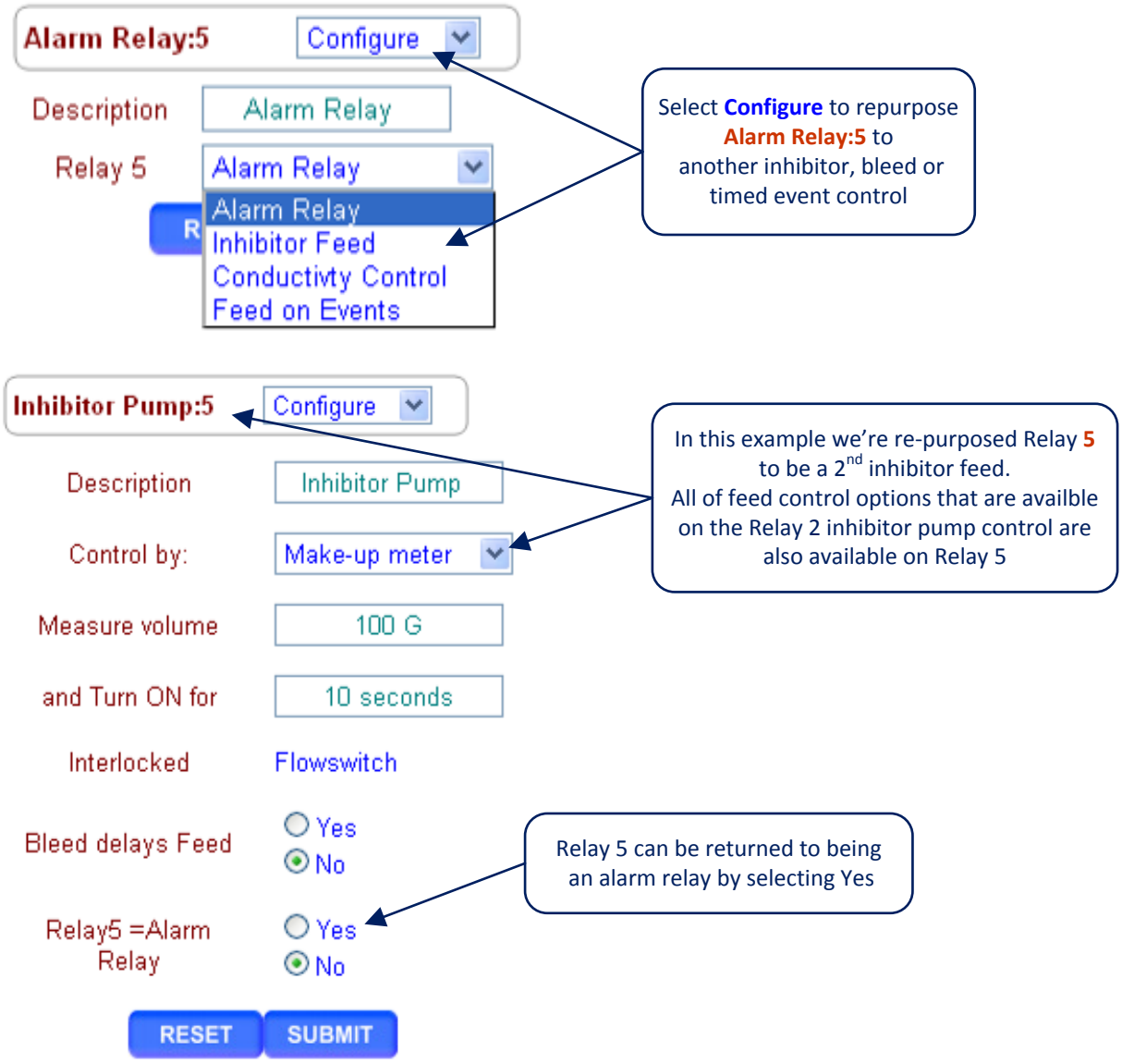
Most towers control the **Bleed** using **Conductivity**.
Sites with constant make-up chemistry may the use the ratio of volumes; **Make-up/Bleed Meter**, measured by water meters for cycle control
If a make-up water conductvity sensor is installed, the **Tower/Make-up Ratio** control option is available.
Make-up meter bleed control would typically be limited to sites with constant make-up water chemistry
Percent Time used to slug on start-up or to bridge maintenance or sensor problems.

Controls Configure 2 of 4

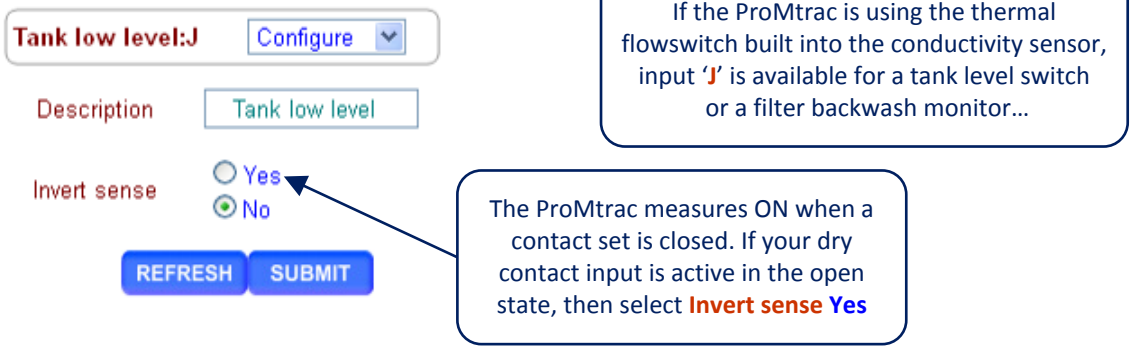




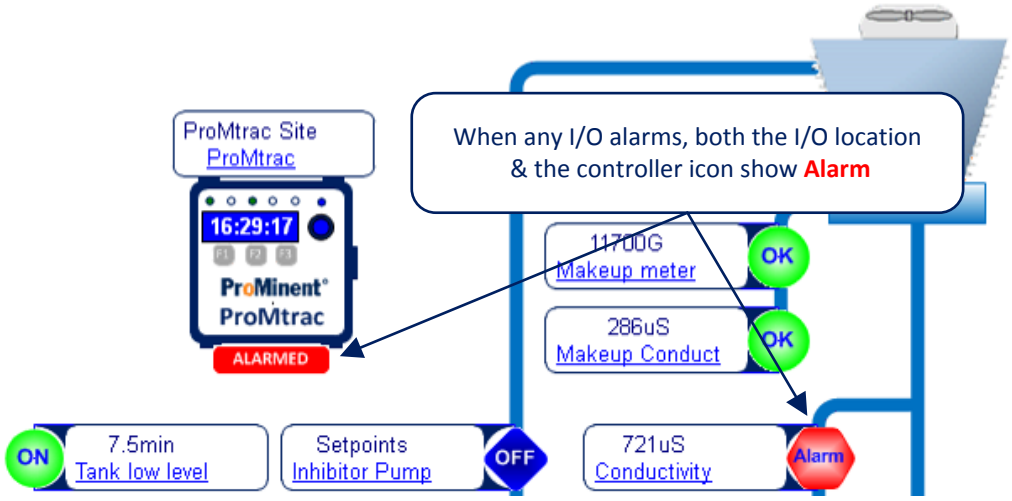
Controls Configure 3 of 4



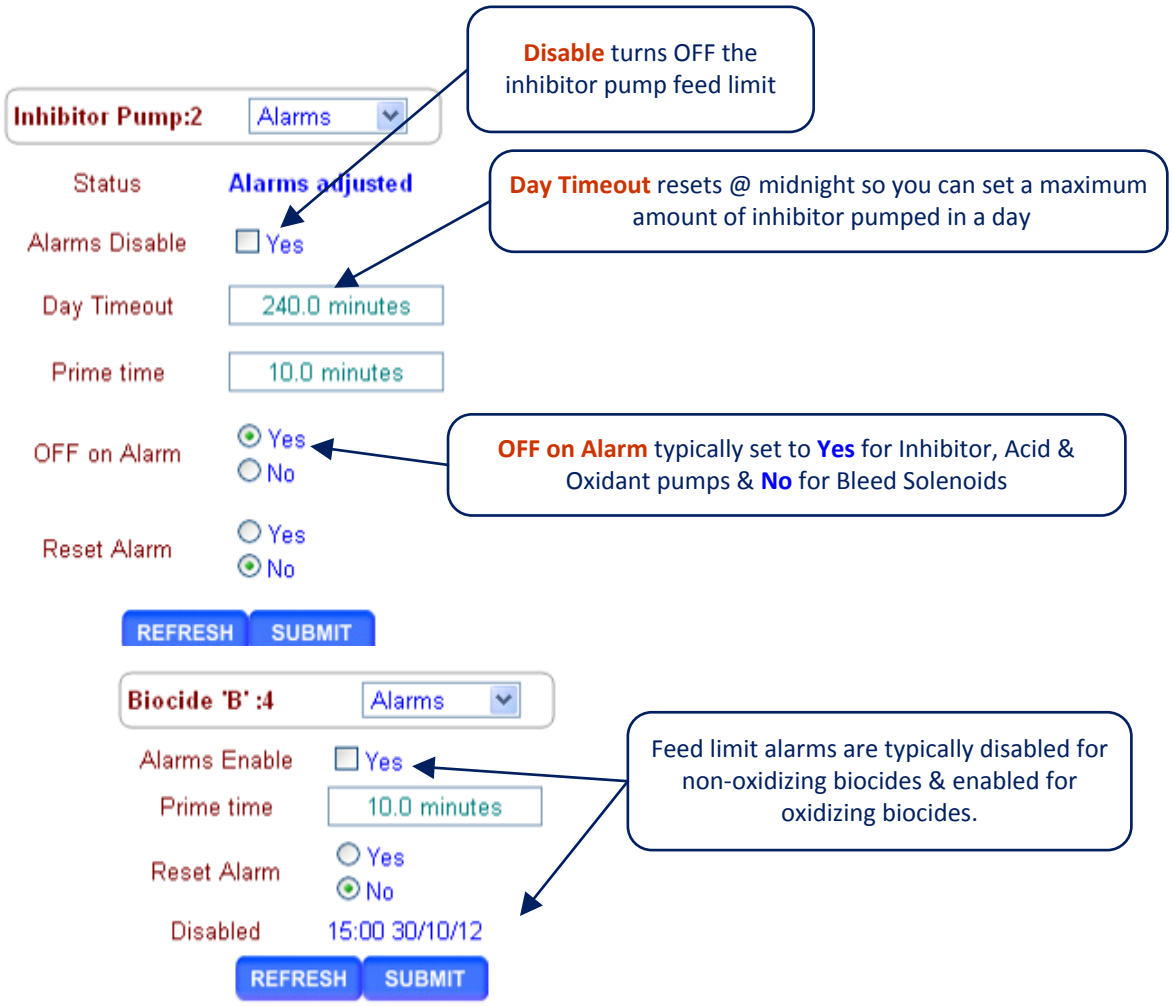
Controls Configure 4 of 4



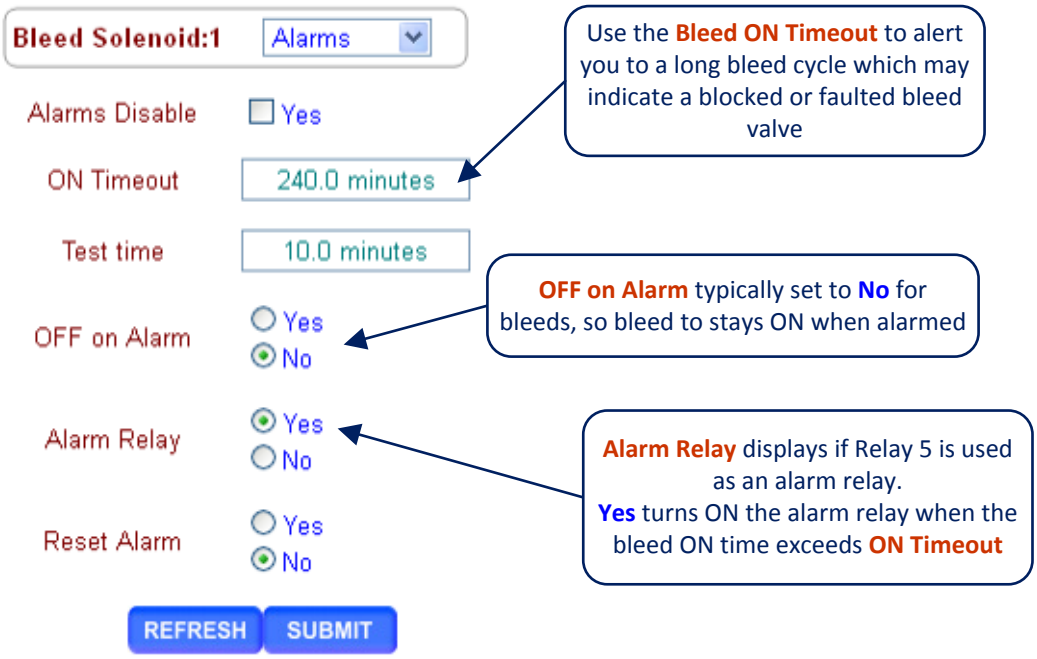
Controls Alarms 1 of 3

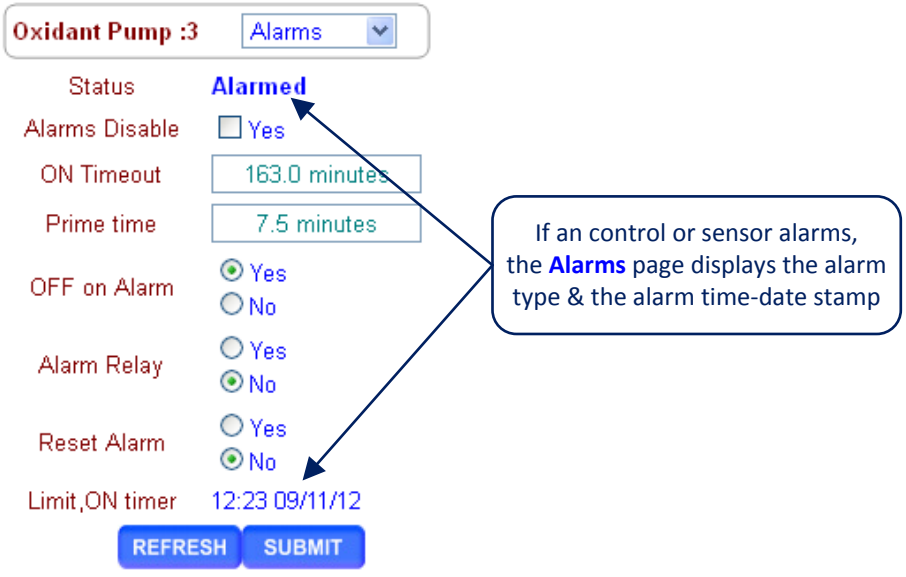


Controls Alarms 2 of 3

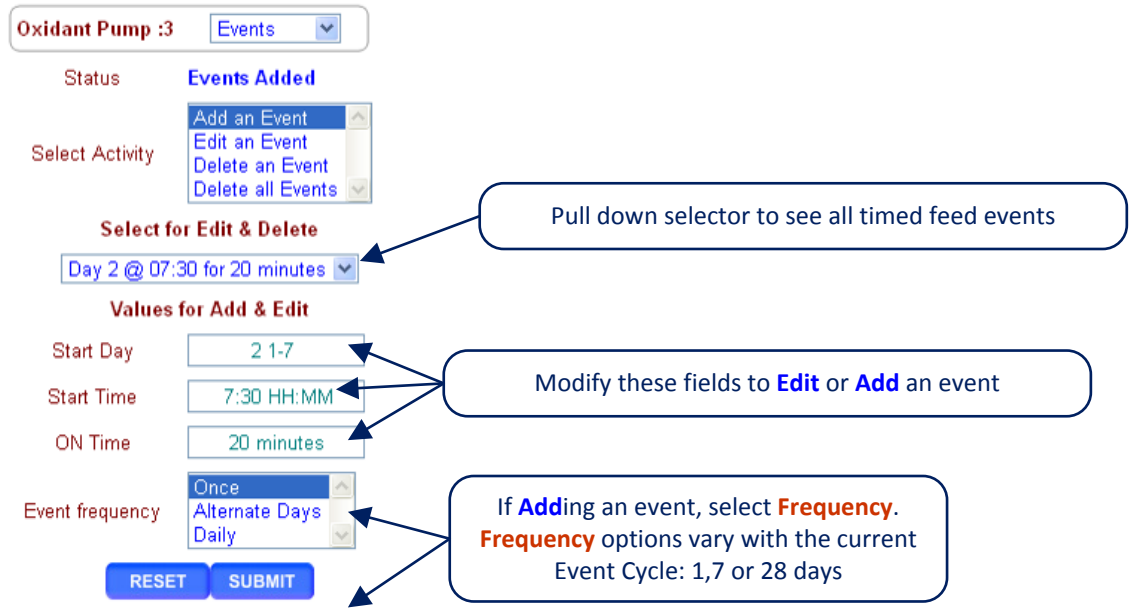


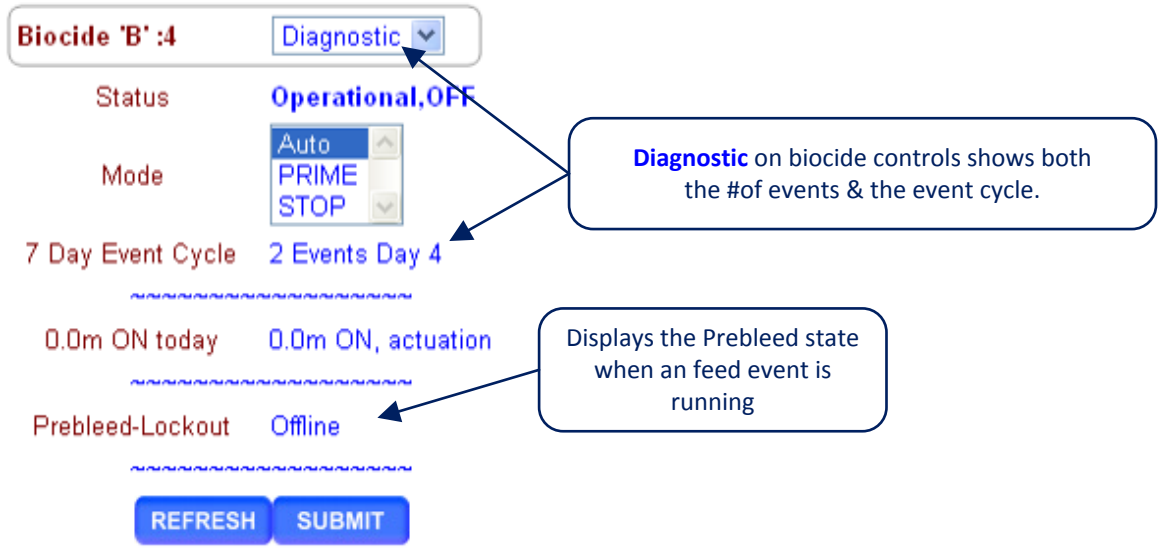
Controls Alarms 3 of 3

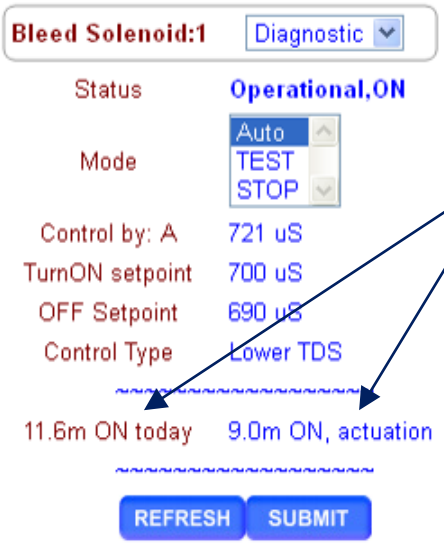




Controls Biocide Feed Events



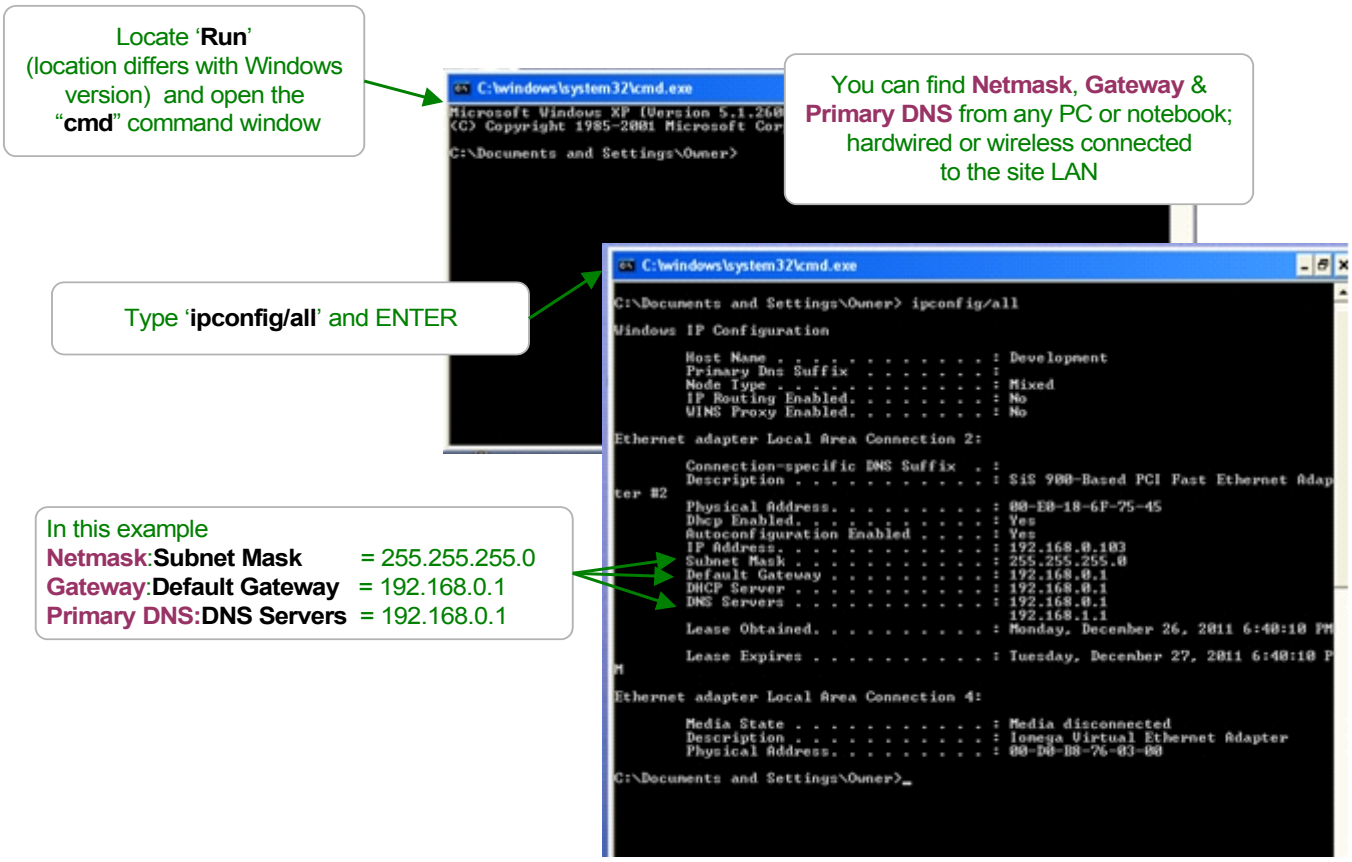




Use **Bleed** **Diagnostic** for **ON today** & **actuation** times.
Extended **ON** time may indicate a bleed limited tower, or a change in make-up water chemistry.
Long **actuation** time may indicate a too large deadband

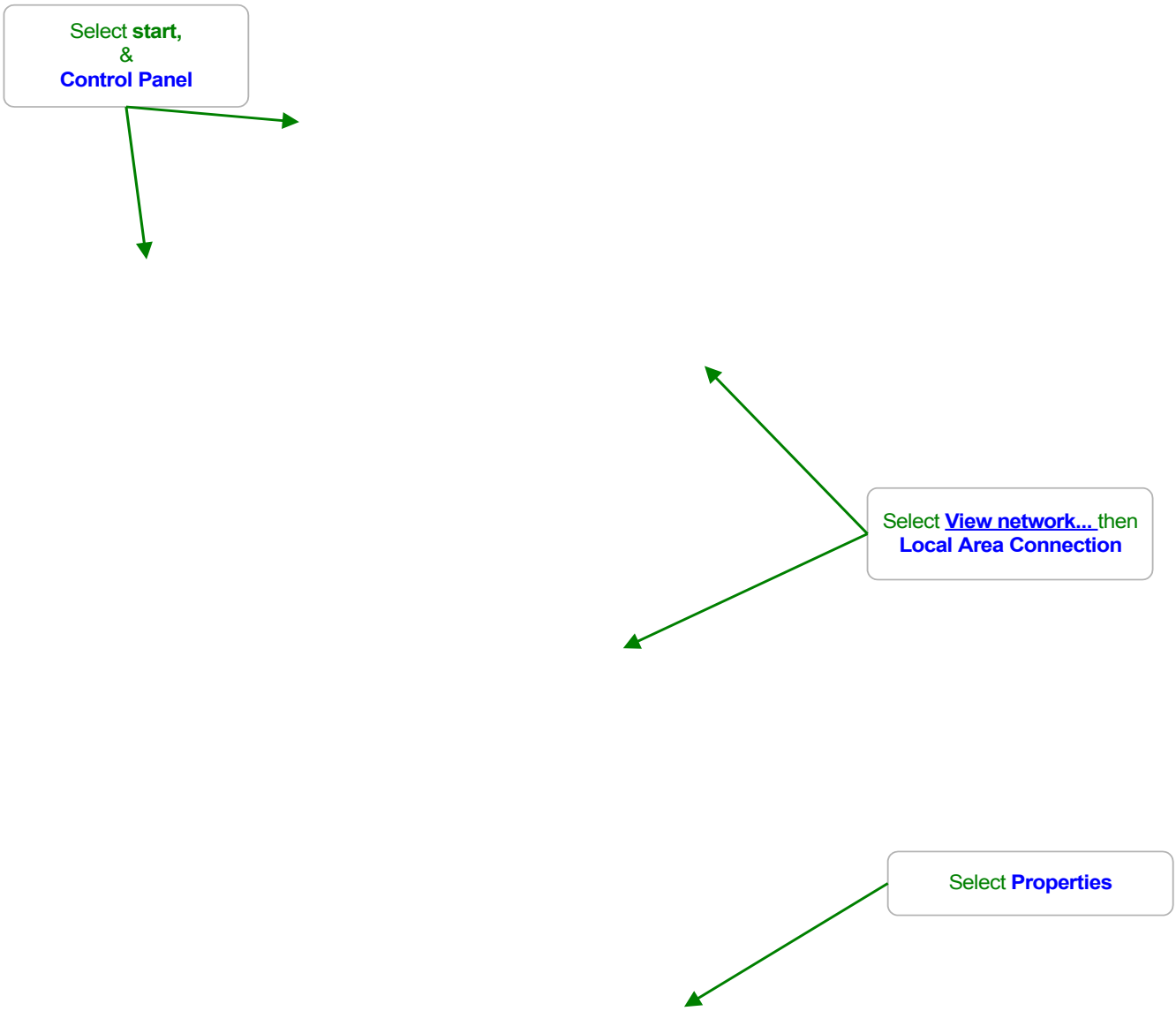
Connect Ethernet Set-up 1 of 3, Windows

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

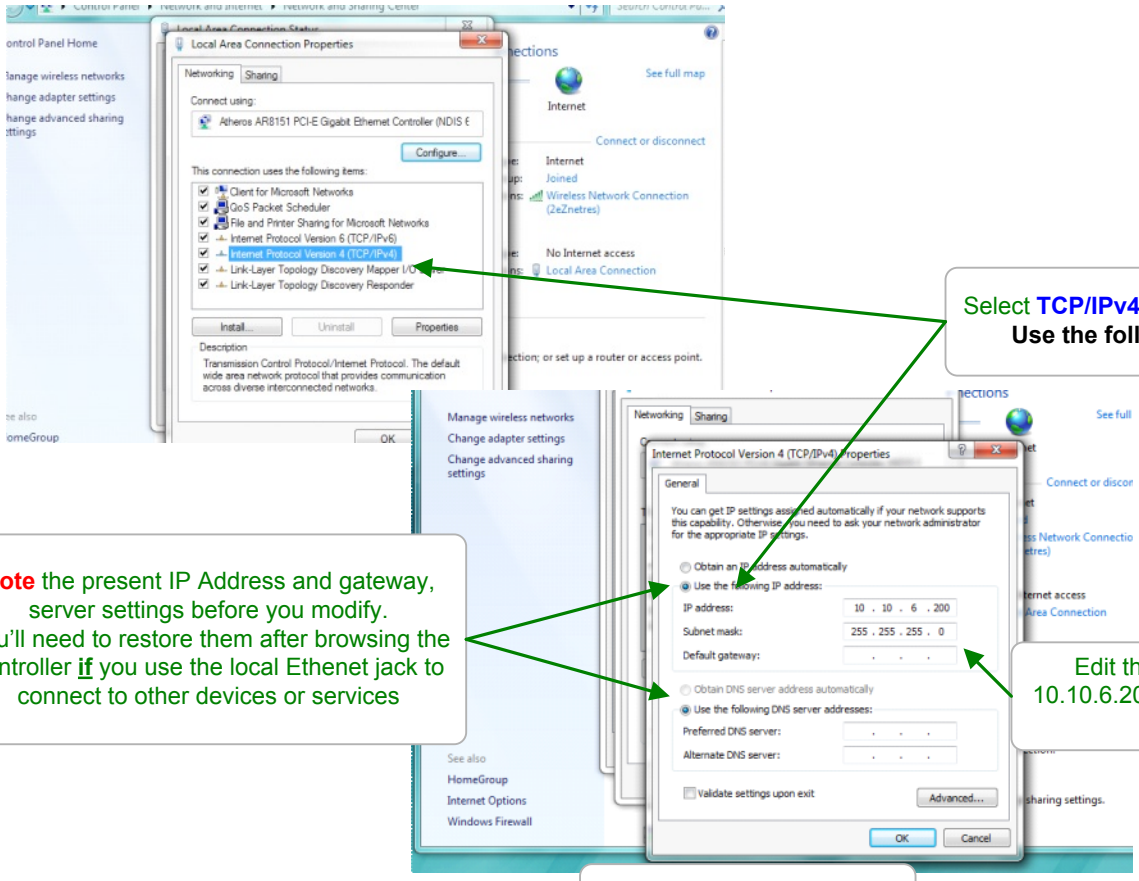


You can use either the Keypad-LCD interface or the browser to setup the controller's IP Address, Netmask, Gateway & Primary DNS.

Connect Ethernet Set-up 2 of 3, Windows 7



Connect Ethernet Set-up 3 of 3, Windows 7



Select **TCP/IPv4** then select **Use the follwing...**

Note the present IP Address and gateway, server settings before you modify. You'll need to restore them after browsing the controller **if** you use the local Ethenet jack to connect to other devices or services

Edit the IP address, 10.10.6.200 in this example & **OK**

We've put our notebook PC on the same LAN as the ProMtrac. Now we can connect using an Ethernet cross-over cable