# Aegis II Quick Start Guide



| 1 | 2 | | 3 | 4 |
|---|---|---|---|---|
| Future | Wi-Fi (WLAN) | | Fieldbus (LAN) | Ethernet (LAN) |

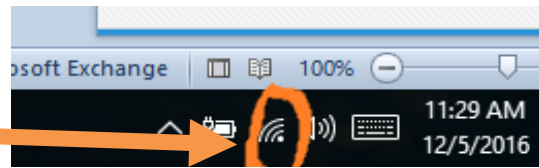**Front Panel Communication Status LEDs**

**The best way to use the Aegis II controller is through a browser window using a PC, tablet or smartphone.**

## Using a PC or Tablet:

Click on the **WiFi** icon on your desktop.
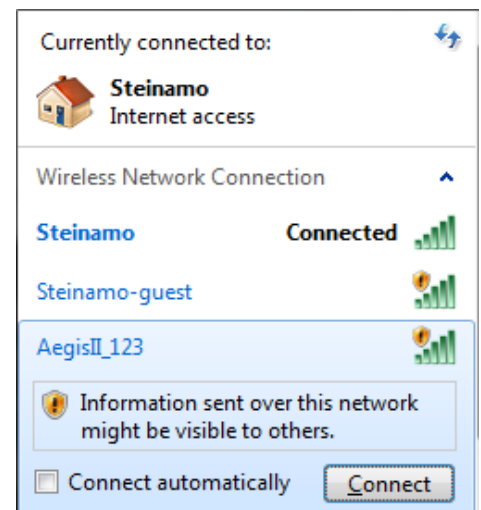


Click on the AegisII_123 choice and press the Connect button. (In this example, 123 will be the last 3 digits of the controller serial number)

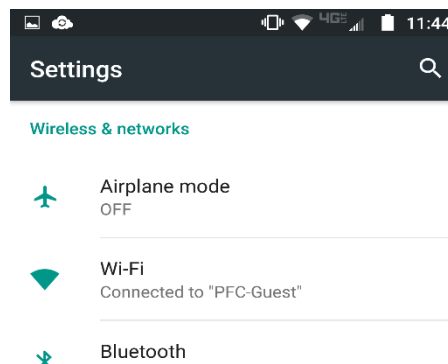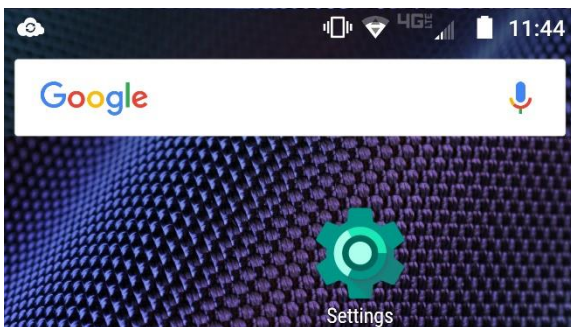Edit the WiFi name in the System pages to differentiate controllers.

You are now on the Aegis II **WiFi** network.

Continue below with **Opening the Browser page using WiFi**
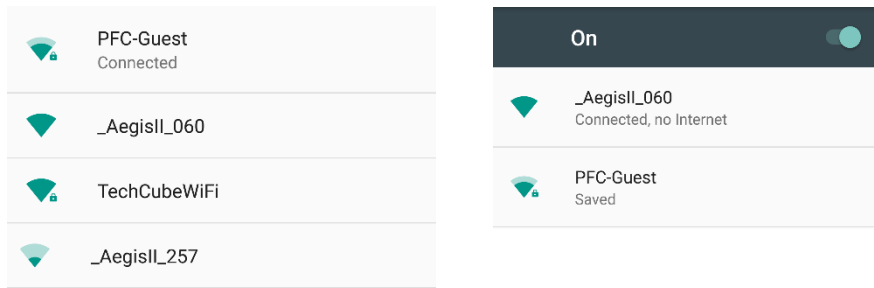


### Setting up WiFi using an Android phone
From your home page, press the settings button then choose Wi-Fi.



There may be more than one controller nearby. Choose your controller by comparing the serial numbers last 3 digits with the options on the phone. Select your controller. The status should change for that choice. See example picture below; AegisII_060 is 'Connected, no Internet'.

1

# Aegis II Quick Start Guide



Continue below with **Opening the Browser page using WiFi**

## Setting up WiFi using an iPhone
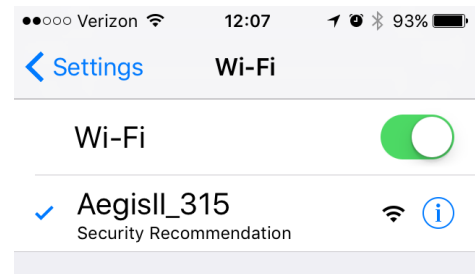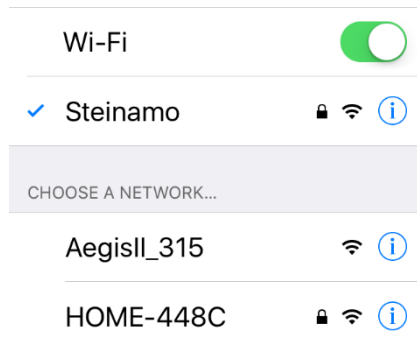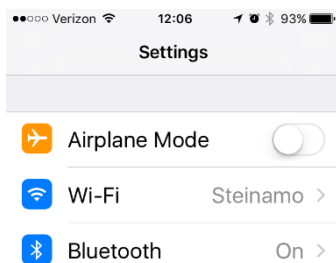To connect your iPhone to an AegisII controller, make a **WiFi** connection;

Select the Settings button from your desktop.

Select the **WiFi** button.          Choose your controller.                    Note the connection status.



If you have more than one Aegis choice, the number on the screen represents the last 3 digits of the AegisII controller serial number.

## Opening the Browser page using WiFi
Open any browser and enter the controller's **WiFi** IP address. (Not the LAN IP).

The default address is 192.168.1.1 and press the return key.
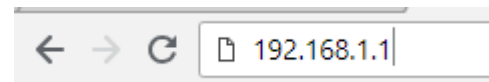


## From the home page, logon:

**Usernames with Default Passwords:**

Operator1 = **1**   Operator2 = **2**   Operator3 = **3**   Operator4 = **4**.

Configure5 = **5**  Configure6 = **6**  Configure7 = **7**   Administrator = **AAAA**

**Login Page:**  Operators can view all controller pages. No access to most System pages.

Configure users can edit the program.  No access to most System pages.

# Aegis II Quick Start Guide

## The Home Page.

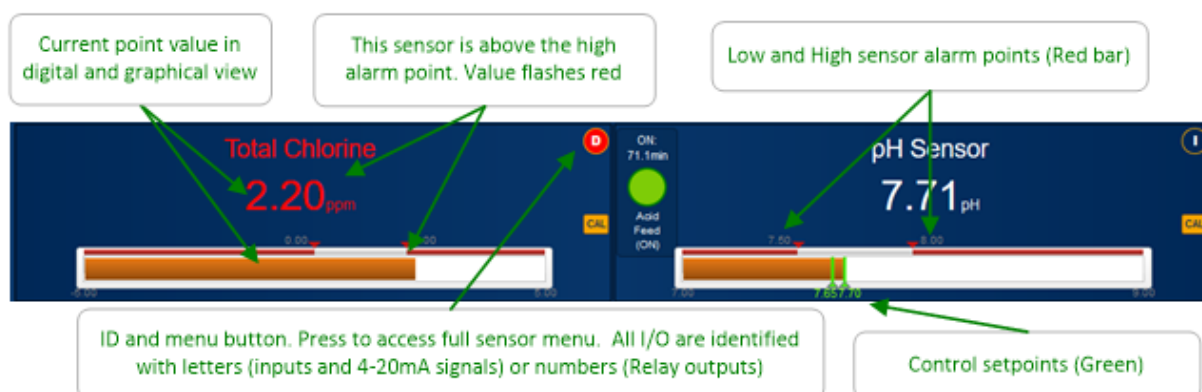Detailed explanation of the home page can be found in the Aegis II Browser manual. The 'See section …' references below refer to that manual. This picture gives you an overview of the Home page. Click on any letter or number to see a menu for that I/O point. Example: click on the letter A to see the menu for the conductivity sensor. Look at the next picture at the bottom of this page for an example of two analog inputs; a chlorine sensor and a pH sensor.
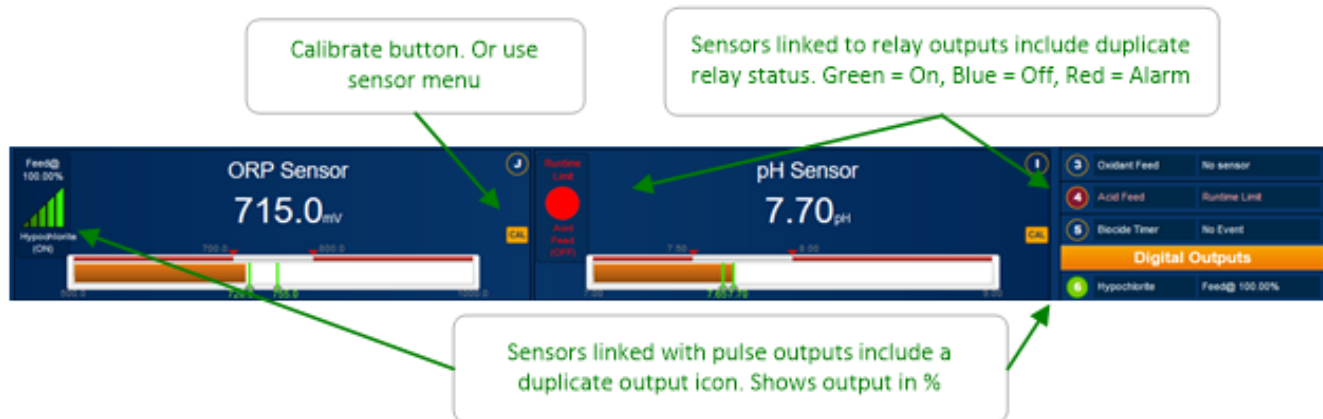


Home Page System icons. See section 1.2.3

DIGITAL IN: 8 On/Off and pulse inputs from flow switches, watermeters and other dry contact signals. (No sinusoidal)

Name the Home page. See section 10.7 System Setup

User Logon and Status. See section 1.2.1

ANALOG: Sensor inputs including Potentiometric (mV from conductivity, temperature, pH and ORP), Amperometric (All 4-20mA inputs from Prominent PPM sensors and any other 4-20mA device)

OUTPUTS: ANALOG and DIGITAL - Analog 4-20mA output signals to pumps, PLCs, chart recorders, etc. Digital relays 1 to 5 Power outputs for pump, MOV and solenoid on/off control. Digital Relays 6 to 9 - Pulse or On/Off low voltage pump speed outputs

View from PC or Tablet

Explanation of the analog sensor display.



Current point value in digital and graphical view

This sensor is above the high alarm point. Value flashes red

Low and High sensor alarm points (Red bar)

ID and menu button. Press to access full sensor menu. All I/O are identified with letters (inputs and 4-20mA signals) or numbers (Relay outputs)

Control setpoints (Green)

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Continued: Analog sensor examples.

Calibrate button. Or use sensor menu

Sensors linked to relay outputs include duplicate relay status. Green = On, Blue = Off, Red = Alarm

| ORP Sensor | pH Sensor |
|---|---|
| 715.0mv | 7.70pH |

Feed@ 100.00%
Hypochlorite (ON)

| 3 | Oxidant Feed | No sensor |
|---|---|---|
| 4 | Acid Feed | Runtime Limit |
| 5 | Biocide Timer | No Event |

**Digital Outputs**

| 6 | Hypochlorite | Feed@ 100.00% |

Sensors linked with pulse outputs include a duplicate output icon. Shows output in %

Digital inputs for watermeters and status switches. (Flow switch, tank level, system status, etc. Any On/Off dry contact device).

## Contacts

| S | Flowswitch | ON :7.76hr |
|---|---|---|

## Meters

### Makeup Meter
0000000 G

### Bleed Meter
0000000 G

Max of 8 Digital inputs: Can be any combination of dry contact switches or digital watermeter signals from contact head or paddle wheel models.

## mA Outputs

| E | Chlorine out | 9.75 mA |
|---|---|---|
| CAL | 35.94% | |

See section 9 for 4-20mA Output configuration

## Power Relays

| 1 | Inhibitor Feed | Setpoint |
|---|---|---|
| 2 | Bleed Valve | ON: 8.1min |
| 3 | Oxidant Feed | No sensor |
| 4 | Acid Feed | Runtime Limit |
| 5 | Biocide Timer | No Event |

Max of 5 Digital Output Relays to power pumps, solenoids and MOV valves

Digital output configuration covered in sections 2, 3 and 4.

## Digital Outputs

| 6 | Hypochlorite | Feed@ 100.00% |
|---|---|---|

Max of 4 Pulse frequency or On/Off relays

# Aegis II Quick Start Guide

## Home Page System Icons

The home page has a variety of services unrelated to the program. These services are accessed via the icons in the upper left corner of the page.

The User Manuals icon **?** gives you access to the two Aegis manuals; Operating and Browser (this manual). The Operating manual explains the keypad usage, wiring and specifications. The Browser manual shows you how to connect to and program an Aegis II controller.

The System Settings icon has the following menus:

These menus are explained in sections **10 System Settings.**

The change display icon allows users with dual systems to select how I/O points are displayed. See section **10.7 System Setup**

The report icon opens the report page. See section **1.2.4 Create a Report**

Finally, the alarm icon displays current alarms. Clear them from this menu page.

**System:**

| Home |
| --- |
| Home |
| Diagnostic |
| Activity Log |
| Communications |
| E-mail Setup |
| Time & Date |
| Enable I/O |
| System Setup |
| Passwords |

## Create a Report

**Recent**

No recent reports

Create a report by following the steps below

Used Storage Space
1%

**New**

1. Choose a date range

Today

2. Choose up to four I/O's

🔔 Sensors

Meters

Contacts

Outputs

3. Download and view

Download data and create report

To create a report, select the report icon from the main screen. Follow the three steps as shown.

**?** Access the controller manuals

🏠 Exit from the report menu back to the Live view

▣ Show/hide the report menu

🗄 Manage the report database

↗ Show/hide the controller header

🔔 Show/acknowledge current alarms

# Aegis II Quick Start Guide

## The Keypad

The keypad offers a quick view of the status of up to 6 I/O points and a calibration key for immediate access to the sensor calibration page. Press the Menu button and scroll through the following sub-menu choices.

The Chapter reference are in sync with the Aegis II User Installation and Operation manual.

| Name of menu item | Jump to chapter |
|---|---|
| [Home] | ↳ Return to the default display (See below) |
| [Adjust Set-points] | ↳ Chapter 10.6.2 Feed Based on a Sensor |
| [Prime, Force ON] | ↳ Chapter 10.14 Prime, Force On a Relay |
| [Water Meter Setup] | ↳ Chapter 9.9.1 Configure a Digital Input as a Water Meter |
| [Adjust Alarms] | ↳ Chapter 9.8.1 Analog Alarm Configuration |
| [Biotiming, Events] | ↳ Chapter 10.7 Configuring an Event-Other relay |
| [Set Feed Mode] | ↳ Chapter 10.6 Configuring a Feed Relay |
| [Set Blowdown Mode] | ↳ Chapter 10.5 Configure a Blowdown Relay |
| [I/O Setup] | ↳ Chapter 9.1 Analog and Digital Inputs |
| [I/O Status] | ↳ Chapter 10 Programming the Control Outputs Use this menu choice to monitor the I/O |
| [System] | ↳ Chapter 11 System Menu |