

# MAIN MENU / HOME SCREEN OVERVIEW

## INPUTS

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
Ccond (S11)		Temp (S12)				
1000 μS/cm		50.5 °F				
Cond (S21)		Temp (S22)				
1000 μS/cm		50.5 °F				
Unassigned D1		Unassigned D2				
Unassigned D3		Unassigned D4				

### List of Possible Inputs

- |                          |                                |
|--------------------------|--------------------------------|
| Contacting Conductivity  | DI State                       |
| Electroless Conductivity | Flow Meter, Contactor type     |
| Temperature              | Flow Meter, Paddlewheel type   |
| pH                       | Feed Monitor                   |
| ORP                      | Counter                        |
| Disinfection             | DI Counter                     |
| Generic                  | Calculation Virtual Input      |
| Transmitter/AI Monitor   | Redundant Sensor Virtual Input |
| Fluorometer              | Raw Value Virtual Input        |
| Flowmeter, Analog Type   |                                |

## OUTPUTS

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
On/Off (R1)		Flow Timer (R2)				
On		Off				
Bio Timer (R3)		Time Prop (R4)				
Off		Off				
Boolean Logic (R5)		Probe Wash (R6)				
Off		Off				

### List of Possible Outputs

- |                                 |  |
|---------------------------------|--|
| On/Off control mode             | Probe Wash control mode                  |
| Flow Timer control mode         | Spike control mode                       |
| Bleed & Feed control mode       | Lag Output control mode                  |
| Percent Timer control mode      | Flow Meter Ratio control mode            |
| Biocide Timer control mode      | Counter Timer                            |
| Alarm Output mode               | Dual Switch                              |
| Time Proportional control mode  | Analog Output, Retransmit mode           |
| Pulse Proportional control mode | Analog Output, Proportional control mode |
| Intermittent Sampling mode      | Analog Output, Manual mode               |
| Manual control mode             |  |
| PID control mode                |  |
| Dual Setpoint mode              |  |
| Timer control mode              |  |

## ALARMS (List of Active Alarms)

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
<b>Temp (S12) Sensor Fault</b>						

## HOME SCREEN (example)

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
Ccond (S11)		On/Off (R1) On ●				
1000 μS/cm		Flow Timer (R2) Off ○				
Temp (S12)		Bio Timer (R3) Off ○				
50.5 °F		Time Prop (R4) Off ○				
pH (S21)		Alarm (R5) Off ○				
8.95		Probe Wash (R6) Off ○				
Temp (S22)		Retrans (A1) 0.0 %				
80.1 °F		Manual (A2) 0.0 %				

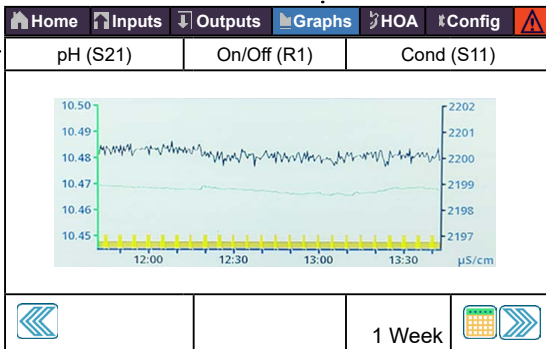
## CONFIG

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
Global Settings		Security Settings				
Ethernet Settings		Ethernet Details				
Remote Communications		Email Report Settings				
Display Settings		File Utilities				
Controller Details						

## HOA

Home	Inputs	Outputs	Graphs	HOA	Config	Alert
On/Off (R1)	Hand	Off	Auto			
Flow Timer (R2)	Hand	Off	Auto			
Bio Timer (R3)	Hand	Off	Auto			
Time Prop (R4)	Hand	Off	Auto			
Alarm (R5)	Hand	Off	Auto			
Probe Wash (R6)	Hand	Off	Auto			

## GRAPHS



### Graph Settings

- Left Sensor
- Low Axis Limit
- High Access Limit
- DI / Relay

- Additional Settings:**
- Right Sensor
  - Low Axis Limit
  - High Axis Limit
  - Time Range

### Graph Settings

#### Time Range

- 30 Minutes
- 1 Hour
- 2 Hours
- 3 Hours
- 6 Hours

#### Additional Settings:

- 12 Hours
- 1 Day
- 1/2 week
- 1 Week
- 2 Weeks
- 4 Weeks

# INPUTS

<span>Home</span> <span>Inputs</span> <span>Outputs</span> <span>Graphs</span> <span>HOA</span> <span>Config</span> <span>Warning</span>	
<b>Concd (S11)</b> 1000 $\mu\text{S/cm}$	<b>Temp (S12)</b> 50.5 $^{\circ}\text{F}$
<b>Cond (S21)</b> 1000 $\mu\text{S/cm}$	<b>Temp (S22)</b> 50.5 $^{\circ}\text{F}$
Unassigned D1	Unassigned D2
Unassigned D3	Unassigned D4

**List of Possible Inputs**

- Contacting Conductivity
- Electrodeless Conductivity
- Temperature
- pH
- ORP
- Disinfection
- Generic
- Transmitter/AI Monitor
- Fluorometer
- Flowmeter, Analog Type

- DI State
- Flow Meter, Contactor type
- Flow Meter, Paddlewheel type
- Feed Monitor
- Counter
- DI Counter
- Calculation Virtual Input
- Redundant Sensor Virtual Input
- Raw Value Virtual Input

**Contacting Conductivity (S11)**

1000  $\mu\text{S/cm}$

Alarms  
Status  
Raw Value  
Temperature

etc. Details Screen Content varies with sensor type

**Additional Input Details:**

- 24-Hour Minimum Maximum and Averages
- Calibration Gain and Offset
- Last Calibration
- Type
- Sensor Board

**Contacting Conductivity (S11)**

1000  $\mu\text{S/cm}$

One-Point Process Calibration  
One-Point Buffer Calibration  
Open Air Calibration (Conductivity inputs only)  
Zero Calibration (Disinfection inputs only)

**Additional Calibration Options:**

- Two-Point Buffer Calibration (pH/ORP inputs only)
- Three-Point Buffer Calibration (pH/ORP inputs only)
- One-Point Analog Calibration (4-20 mA inputs only)
- Two-Point Analog Calibration (4-20 mA inputs only)

**Contacting Cond (S11-23)**

1000  $\mu\text{S/cm}$

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Contacting Conductivity:**

- Temp Comp Factor
- Cell Constant
- Cable Length
- Gauge
- Units
- Name
- Type

**Disinfection (S11-23)**

2.0 ppm

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Disinfection Sensor:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Cable Length
- Gauge
- Name
- Sensor Type

**Electrodeless Cond (S11-23)**

1000  $\mu\text{S/cm}$

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Electrodeless Conductivity:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Default Temp
- Installation Factor
- Range
- Temp Compensation
- Temp Comp Factor
- Cell Constant
- Cable Length
- Gauge
- Units
- Name
- Type

**Generic (S11-S23)**

20.0 ppm

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Generic Sensor:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Sensor Slope
- Sensor Offset
- Low / High Range
- Cable Length
- Gauge
- Units
- Electrode (Linear or Ion Selective)
- Name
- Type

**Temperature (S11-23)**

20  $^{\circ}\text{C}$

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Name
- Element

**Transmitter / AI Monitor (S11-S23)**

100%

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Transmitter and AI Monitor:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Transmitter
- 4 mA Value
- 20 mA Value
- Units
- Name
- Type

**pH (S11-23)**

7.00

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for pH Sensor:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Buffers (pH only)
- Default Temp
- Cable Length
- Gauge
- Electrode
- Name
- Type

**Fluorometer (S11-S23)**

20 ppm

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Fluorometer:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Transmitter
- Max Sensor Range
- Dye / Product Ratio
- Name
- Type

**ORP (S11-23)**

500 mV

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for ORP Sensor:**

- Deadband
- Reset Calibration Values
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Cable Length
- Gauge
- Name
- Type

**Flowmeter (S11-S23)**

5 l/min

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm





**Additional Settings for Flowmeter:**

- Deadband
- Reset Flow Total
- Set Flow Total
- Scheduled Reset
- Reset Calibration Valves
- Cal Required Alarm
- Alarm & Datalog Suppression
- Smoothing Factor
- Transmitter
- Flow Units
- Rates Units
- Flowmeter Max
- Input Filter
- Name
- Type

# DIGITAL INPUTS

# VIRTUAL INPUTS

**DI State (D1-D6)**





No Flow    

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for DI State:**

Open Message	Total Time
Closed Message	Reset Time Total
Interlock	Name
Alarm	Type
Alarm & Datalog	
Suppression	

**Calculation (V1-V6)**

1000  $\mu\text{S/cm}$     





LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Calculation:**

Deadband	pression
Input	Low Range
Constant	High Range
Input 2	Smoothing Factor
Constant 2	Name
Calculation Mode	Type
Alarm & Datalog Sup-	

**Contactor Type**

**Flowmeter (D1-D6)**





100 gal    

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Contactor, Flowmeter:**

Totalizer Alarm	Volume/Contact
Reset Flow Total	Flow Units
Set Flow Total	Name
Scheduled Reset	Type
Alarm & Datalog	
Suppression	

**Redundant (V1-V6)**

1000  $\mu\text{S/cm}$     





LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Redundant:**

Deviation Alarm	Input
Deadband	Input 2
Alarm & Datalog Sup-	Name
pression	Type
Mode	

**Paddlewheel Type**

**Flowmeter (D1-D6)**





100 g/m    

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Paddlewheel, Flowmeter:**

Deadband	K Factor
Alarm & Datalog	Flow Units
Suppression	Rate Units
Set Flow Total	Smoothing Factor
Totalizer Alarm	Name
Reset Flow Total	Type

**Raw Value (V1-V6)**





1000  $\mu\text{S/cm}$     

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Raw Value:**

Deadband	Type
Alarm & Datalog Sup-	
pression	
Input	
Smoothing Factor	
Name	

**Feed Monitor (D1-D6)**

1.0 gal    





LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for Feed Monitor:**

Totalizer Alarm	Reprime Time
Reset Flow Total	Volume/Contact
Set Flow Total	Flow Units
Scheduled Reset	Rate Units
Total Alarm Mode	Smoothing Factor
Flow Alarm Mode	Output
Flow Alarm Delay	Name
Flow Alarm Clear	Type
Deadband	

**Only if HVAC mode is disabled**

**DI Counter (D1-D6)**

1000    

LoLo Alarm  
Low Alarm  
High Alarm  
HiHi Alarm

**Additional Settings for DI Counter:**

Deadband	Units
Alarm & Datalog	Rate Units
Suppression	Units per Pulse
Totalizer Alarm	Smoothing Factor
Reset Total	Name
Set Total	Type
Scheduled Reset	

# OUTPUTS

On/Off (R1)	Flow Timer (R2)
On	Off
Bio Timer (R3)	Time Prop (R4)
Off	Off
Alarm OutPUT (R5)	Probe Wash (R6)
Off	Off

## List of Possible Outputs

- On/Off control mode
- Flow Timer control mode
- Bleed & Feed control mode
- Percent Timer control mode
- Biocide Timer control mode
- Alarm Output mode
- Time Proportional control mode
- Pulse Proportional control mode
- Intermittent Sampling mode
- Manual control mode
- PID control mode
- Dual Setpoint mode
- Timer control mode
- Probe Wash control mode
- Spike control mode
- Lag Output control mode
- Flow Meter Ratio control mode
- Counter Timer
- Dual Switch
- Analog Output, Retransmit mode
- Analog Output, Proportional control mode
- Analog Output, Manual mode

**On/Off (R1)**

Off

Status

Time On

24 hour time

Total Time

etc. Details Screen Content varies with output type

### Additional Input Details:

- Alarms
- Input Value
- Mode
- Relay Type

# RELAY OUTPUTS & VIRTUAL (CONTROL) OUTPUTS

**On/Off (R1-R6, C1-C6)**

Off

HOA Setting

Setpoint

Deadband

Duty Cycle Period

### Additional settings for On/Off Mode:

- Duty Cycle
- On Delay Time
- Off Delay Time
- Daily Max Time
- Output Time Limit
- Reset Output Timeout
- Interlock Channels
- Activate with Channels
- Minimum Relay Cycle
- Hand Time Limit
- Reset Time Total
- Input
- Direction
- Name
- Mode

**Flow Timer (R1-R6, C1-C6)**

Off

HOA Setting

Feed Duration

Accumulated Volume

Reset Timer



### Additional Settings for Flow Timer Mode:

- Daily Max Time
- Output Time Limit
- Reset Output Timeout
- Interlock Channels
- Activate with Channels
- Minimum Relay Cycle
- Hand Time Limit
- Reset Time Total
- Flow Input
- Flow Input 2
- Name
- Mode

# RELAY OUTPUTS & VIRTUAL (CONTROL) OUTPUTS

Only if HVAC mode is enabled

**Bleed & Feed (R1-R6, C1-C16)**

Off  

HOA Setting  
Feed Time Limit  
Daily Max Time  
Reset Output Timeout

Swipe to additional settings for Bleed & Feed Mode:

Interlock Channels  
Activate with Channels  
Minimum Relay Cycle  
Hand Time Limit

Reset Time Total  
Bleed Name Mode

Not available for virtual outputs

**Lag Control (R1-R6)**

Off

HOA Setting  
Lead  
Wear Leveling\*  
Wear Cycle Time\*

Additional settings for Lag Control Mode:



Activation Mode\*  
Set Point  
Set Point 2  
Deadband  
Delay Time\*  
Output Time Limit  
Reset Output Timeout  
Interlock Channels

Activate with Channels  
Min Relay Cycle  
Hand Time Limit  
Reset Time Total  
Name  
Mode

\* See section 5.3.18

Only if HVAC mode is enabled

**Bleed then Feed (R1-R6 C1-C6)**

Off  

HOA Setting  
Feed Percentage  
Feed Time Limit  
Reset Timer



Additional settings for Bleed then Feed Mode:

Daily Max Time  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Minimum Relay Cycle

Hand Time Limit  
Reset Time Total  
Bleed Name Mode

Only if Pulse Relay Type

**Flow Prop (R1-R6, C1-C6)**

Off  

HOA Setting  
Target  
Pump Capacity  
Pump Setting



Additional settings for Flow Prop Control Mode:

Specific Gravity  
Maximum Rate  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Hand Time Limit

Reset Time Total  
Flow Input  
Cycles Input  
Low Cycles Limit  
Name  
Mode

Only if HVAC is disabled

**Counter Timer (R1-R6, C1-C6)**

Off  



HOA Setting  
Feed Duration  
Accumulator Setpoint  
Reset Time

Additional settings for Counter Timer Mode:

Daily Max Time  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Minimum Relay Cycle

Hand Time Limit  
Reset Time Total  
Input Name  
Mode

**Percent Timer (R1-R6, C1-C6)**

Off  

HOA Setting  
Sample Period  
Feed Percentage  
Output Time Limit



Additional settings for Percent Timer Mode:

Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Minimum Relay Cycle

Hand Time Limit  
Reset Time Total  
Name Mode

Only if HVAC mode is enabled

**Biocide Timer (R1-R6, C1-C6)**

Off  



HOA Setting  
Event 1 (through 10)  
Repetition  
Week  
Day  
Start Time  
Duration

Additional settings for Biocide Timer Mode:

Bleed  
Prebleed Time  
Prebleed To  
Cond Input  
Bleed Lockout  
Add Last Missed  
Interlock Channels

Activate with Channels  
Minimum Relay Cycle  
Hand Time Limit  
Reset Time Total  
Name Mode

**Alarm (R1-R6, C1-C6)**

Off  



HOA Setting  
Alarm Mode  
On Delay Time  
Off Delay Time

Additional settings for Alarm Mode:

Select Alarms  
Output  
Interlock Channels  
Activate with Channels  
Minimum Relay Cycle

Hand Time Limit  
Reset Time Total  
Name Mode

**Time Prop (R1-R6, C1-C6)**

Off  

HOA Setting  
Set Point  
Proportional Band  
Sample Period



Additional settings for Time Prop Mode:

Daily Max Time  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Minimum Relay Cycle

Hand Time Limit  
Reset Time Total  
Input Direction  
Name Mode

Only if HVAC mode is enabled

**Int. Sampling (R1-R6, C1-C6)**

Off  

HOA Setting  
Set Point  
Proportional Band  
Deadband



Additional settings for Intermittent Sampling Mode:

Sample Time  
Hold Time  
Maximum Blowdown  
Wait Time  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels

Min Relay Cycle  
Hand Time Limit  
Reset Time Total  
Cond Input  
Trap Sample  
Name Mode

# RELAY OUTPUTS & VIRTUAL (CONTROL) OUTPUTS



**Manual (R1-R6, C1-C6)**

Off  

HOA Setting  
On Delay Time  
Off Delay Time  
Output Time Limit

**Additional settings for Manual Mode:**  
 Reset Output Timeout      Name  
 Interlock Channels      Mode  
 Minimum Relay Cycle  
 Hand Time Limit  
 Reset Time Total

**Spike Control (R1-R6, C1-C6)**



Off  

HOA Setting  
Set point  
Spike Setpoint  
Deadband

**Additional settings for Spike Control Mode:**  
 Onset Time      Reset Output Timeout  
 Duty Cycle Period      Interlock Channels  
 Duty Cycle      Activate With Channels  
 Event 1 (through 6)      Min Relay Cycle  
     Repetition      Hand Time Limit  
     Week      Reset Time Total  
     Day      Input  
     Start Time      Direction  
     Duration      Name  
 Daily Max Time      Mode  
 Output Time Limit

Only if Pulse Relay Type



**Pulse Prop (R1-R6, C1-C6)**

Off  

HOA Setting  
Set Point  
Proportional Band  
Minimum/Maximum Output

**Additional settings for Pulse Prop Mode:**  
 Maximum Rate      Reset Time Total  
 Interlock Channels      Input  
 Activate with Channels      Direction  
 Minimum Relay Cycle      Name  
 Hand Time Limit      Mod

**Flow Meter Ratio (R1-R6, C1-C6)**



Off  

HOA Setting  
Accumulator Volume  
Bleed Volume  
Reset Timer

**Additional settings for Flow Meter Ratio:**  
 Daily Max Time      Makeup Meter  
 Output Time Limit      Makeup Meter 2  
 Reset Output Timeout      Bleed Meter  
 Interlock Channels      Bleed Meter 2  
 Activate with Channels      Disturbance Input  
 Minimum Relay Cycle      Name  
 Hand Time Limit      Mode  
 Reset Time Total

Only if HVAC mode is disabled | Only if Pulse Relay Type



**PID Control (R1-R6, C1-C6)**

Off  

HOA Setting  
Set Point  
Gain  
Proportional Band

**Additional settings for PID Control Mode:**  
 Integral Time      Input Maximum  
 Integral Gain      Gain Form  
 Derivative Time      Output Time Limit  
 Derivative Gain      Reset Output Timeout  
 Reset PID Integral      Interlock Channels  
 Minimum Output      Activate with Channels  
 Maximum Output      Minimum Relay Cycle  
 Maximum Rate      Hand Time Limit  
 Input      Reset Time Total  
 Direction      Name  
 Input Minimum      Mode



**Dual Switch (R1-R6,C1-C6)**

Off  

HOA Setting  
On Switch  
Activate On  
On Delay Time

**Additional settings for Dual Switch Mode:**  
 Off Switch      Interlock Channels  
 Activate O      Activate with Channels  
 Off Delay Time      Min Relay Cycle  
 Hand Time Limit      Reset Time Total  
 Daily Max Time      Name  
 Output Time Limit      Mode  
 Reset Output Timeout

**Dual Setpoint (R1-R6, C1-C6)**



Off  

HOA Setting  
Set Point  
Set Point 2  
Deadband

**Additional settings for Dual Setpoint Mode:**  
 Duty Cycle Period      Minimum Relay Cycle  
 Duty Cycle      Hand Time Limit  
 On Delay Time      Reset Time Total  
 Off Delay Time      Input  
 Output Time Limit      Direction  
 Reset Output Timeout      Name  
 Interlock Channels      Mode  
 Activate with Channels

Only if HVAC mode is disabled



**Timer Control (R1-R6, C1-C6)**

Off  

HOA Setting  
Event 1 (through 10)  
    Repetition  
    Hourly

**Additional settings for Timer Control Mode:**  
 Week      Interlock Channels  
 Day      Activate with Channels  
 Events Per Day      Minimum Relay Cycle  
 Start Time      Hand Time Limit  
 Duration      Reset Time Total  
 Add Last Missed      Name  
 Output Time Limit      Mode  
 Reset Output Timeout



**Probe Wash (R1-R6, C1-C6)**

Off  

HOA Setting  
Event 1 (through 10)  
    Repetition  
    Hourly



**Additional settings for Probe Wash Mode:**  
 Week      Hold Time  
 Day      Interlock Channels  
 Events Per Day      Activate with Channels  
 Start Time      Minimum Relay Cycle  
 Duration      Hand Time Limit  
 Input      Reset Time Total  
 Input 2      Name  
 Sensor Mode      Mode

Not available for virtual outputs

<b>Retransmit (A1-A2, C1-C6)</b>	
Off	 
HOA Setting 4 mA Value 20 mA Value Hand Output	



**Additional settings for Retransmit Mode:**

Error Output  
Reset Time Total  
Input  
Name  
Mode

<b>Prop Control (A1-A2, C1-C6)</b>	
Off	 
HOA Setting Set Point Proportional Band Min Output	

**Additional settings for Proportional Control Mode:**



Max Output  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Hand Output  
Hand Time Limit  
Reset Time  
Total  
Off Mode Output  
Error Output  
Input  
Direction  
Name  
Mode

<b>PID Control (A1-A2, C1-C6)</b>	
Off	 
HOA Setting Set Point Gain Proportional Gain	

**Additional settings for PID Control Mode:**



Integral Time  
Integral Gain  
Derivative Time  
Derivative Gain  
Reset PID Integral  
Min Output  
Max Output  
Max Rate  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Hand Output  
Hand Time Limit  
O Mode Output  
Error Output  
Reset Time Total  
Input  
Direction  
Input Minimum  
Input Maximum  
Gain Form  
Name  
Mode

Not available for virtual outputs

<b>Manual Control (A1-A2)</b>	
Off	 
HOA Setting Interlock Channels Activate with Channels Minimum Relay Cycle	

**Additional settings for Manual Control Mode:**



Hand Time Limit  
Reset Time Total  
Name  
Mode

<b>Flow Prop (A1-A2, C1-C6)</b>	
Off	 
HOA Setting Target Pump Rating Pump Setting	

**Additional settings for Flow Prop Control Mode:**

Specific Gravity  
Output Time Limit  
Reset Output Timeout  
Interlock Channels  
Activate with Channels  
Hand Output  
Hand Time Limit  
Off Mode Output  
Error Output  
Reset Time Total  
Flow Input  
Cycles Input  
Low Cycles Limit  
Name  
Mode

Not available for virtual outputs

<b>Lag Output (A1-A2)</b>	
Off	 
HOA Setting Lead Reset Time Total Output Time Limit	

**Additional settings for Lag Output Mode:**

Reset Output Timeout  
Wear Leveling  
Wear Cycle Time  
Name  
Mode

# CONFIG MENU

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Global Settings	Security Settings
Ethernet Settings	Ethernet Details
Remote Communications	Email Report Settings
Display Settings	File Utilities
Controller Details	

**Remote Communications**

Comm Status  
Data Format  
Data Port  
Verbose Logging

**Swipe for additional settings for Remote Communications:**

Device ID  
Network

**File Utilities**

File Transfer Status  
Data Log Export  
Periodic Log Export  
Export Event Log

**Swipe for additional settings for File Utilities:**

Export System Log                      Software Upgrade  
Export User Config File  
Import User Config File  
Repair Network File  
System  
Restore Default Config

**Global Settings**

Date  
Time  
Name  
Location

**Swipe to additional settings for Global Settings:**

Global Units  
Temperature Units  
Alarm Delay  
HVAC Modes  
Language

**Controller Details**

Controller  
Product Name  
Serial Number  
Last Data Log

**Swipe for additional settings for Controller Details:**

Software Version	Network Board
Power Board	Software Version
AO Board	Battery Power
Sensor Board #1	Processor Temp
Software Version	Network Temp
Sensor Board #2	I/O Card 1 Temp
Software Version	I/O Card 2 Temp
Last Data Log	Network Temp
Digital Inputs	+5 Volt Supply
Software Version	+3.3 Volt Supply

**Display Settings**

Edit Home Screen Layout  
Splash Protection  
Activate Splash Protection  
Adjust Display

**Swipe to additional settings for Display Settings:**

Auto Dim Time  
Key Beep

**Security Settings**

Controller Log Out  
Security  
Local Password

**Email Report Settings**

Report #1 through #4  
Email Addresses  
Email Server  
SMTP Server

**Swipe for additional settings for Email Report Settings:**

SMTP Port	Day (Datalog/Summary Reports/Graph)
From Address	Day of Month (Datalog/Summary Reports/Graph)
ASMTMP Username	Report Time (Datalog/Summary Reports/Graph)
ASMTMP Password	Log Frequency (Datalog Report)
Test Report Recipients	Alarm Mode (Alarms Report)
Send Email Test Report	Select Alarms (Alarms Report)
Report #1-4 Settings:	Alarm Delay (Alarms Report)
Report Type	Attach Summary (Alarms Report)
Email Recipients	Report
Repetition (Datalog/Summary Reports/Graph)	
Reports Per Day (Datalog/Summary Reports/Graph)	

**Ethernet Settings**

DHCP Setting  
Controller IP Address  
Netmask  
Gateway

**Swipe for additional settings for Ethernet Settings:**

DNS Server  
Web Server  
Web Page Color Scheme  
Fluent Alarm Delay  
TCP Timeout  
Fluent Status  
LiveConnect Status  
Update Period  
Reply Timeout

**Ethernet Details**

Ethernet Status  
Alarms  
DHCP Status  
Controller IP

**Swipe for additional information on Ethernet Details:**

Netmask  
Gateway  
DNS Server  
Web Server  
MAC Address  
Last Fluent Data  
Last Fluent Config  
Live Connect Status