

MAIN MENU/HOME SCREEN OVERVIEW

Inputs	
Sensor (S11)	3038 $\mu\text{S/cm}$
Temp (S12)	77.1°F
Generic AI (S21)	30.5%
Generic AI (S22)	37.9%

List of possible Inputs:
 Contacting Conductivity
 Electrodeless Conductivity
 Temperature
 pH
 ORP
 Disinfection
 Generic
 Transmitter/AI Monitor
 Fluorometer
 DI State
 Flow Meter, Contactor type
 Flow Meter, Paddlewheel type
 Feed Monitor
 DI Counter
 Virtual Input – Calculation
 Virtual Input – Raw Value

Outputs	
On/Off (R1)	Off
Flow Timer (R2)	Off
Flow Timer (R3)	Off
Manual (R4)	Off

List of possible Outputs:
 On/Off control mode
 Flow Timer control mode
 Percent Timer control mode
 Alarm Output mode
 Time Proportional control mode
 Manual control mode
 Pulse Proportional control mode
 Flow Proportional 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
 Dual Switch mode
 Counter Timer
 Analog Output, Retransmit mode
 Analog Output, Proportional control mode
 Analog Output, PID control mode
 Analog Output, Manual mode
 Analog Output, Flow Proportional mode
 Analog Output, Lag Output

Alarms

List of all Active Alarms

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HOME SCREEN (example)

CCCond (S11)	3041 $\mu\text{S/cm}$
Temp (S12)	77.0°F
Flowswitch (D1)	No Flow

MAIN MENU

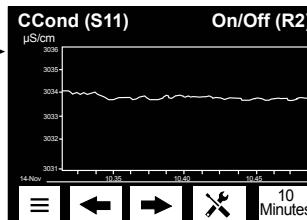
Main Menu 09:19:01 14-Mar-2017	
Inputs	Config
Outputs	HOA
Alarm	Graph

To HOME SCREEN

Config	
Global Settings	
Security Settings	
Ethernet Settings	
Ethernet Details	

Additional Config Settings:
 Remote Communications (Modbus and BACnet)
 Email Report Settings
 Display Settings
 File Utilities
 Controller Details

> HOA	
R1	R2
R3	R4
R5	R6
Hand	Off
Auto	

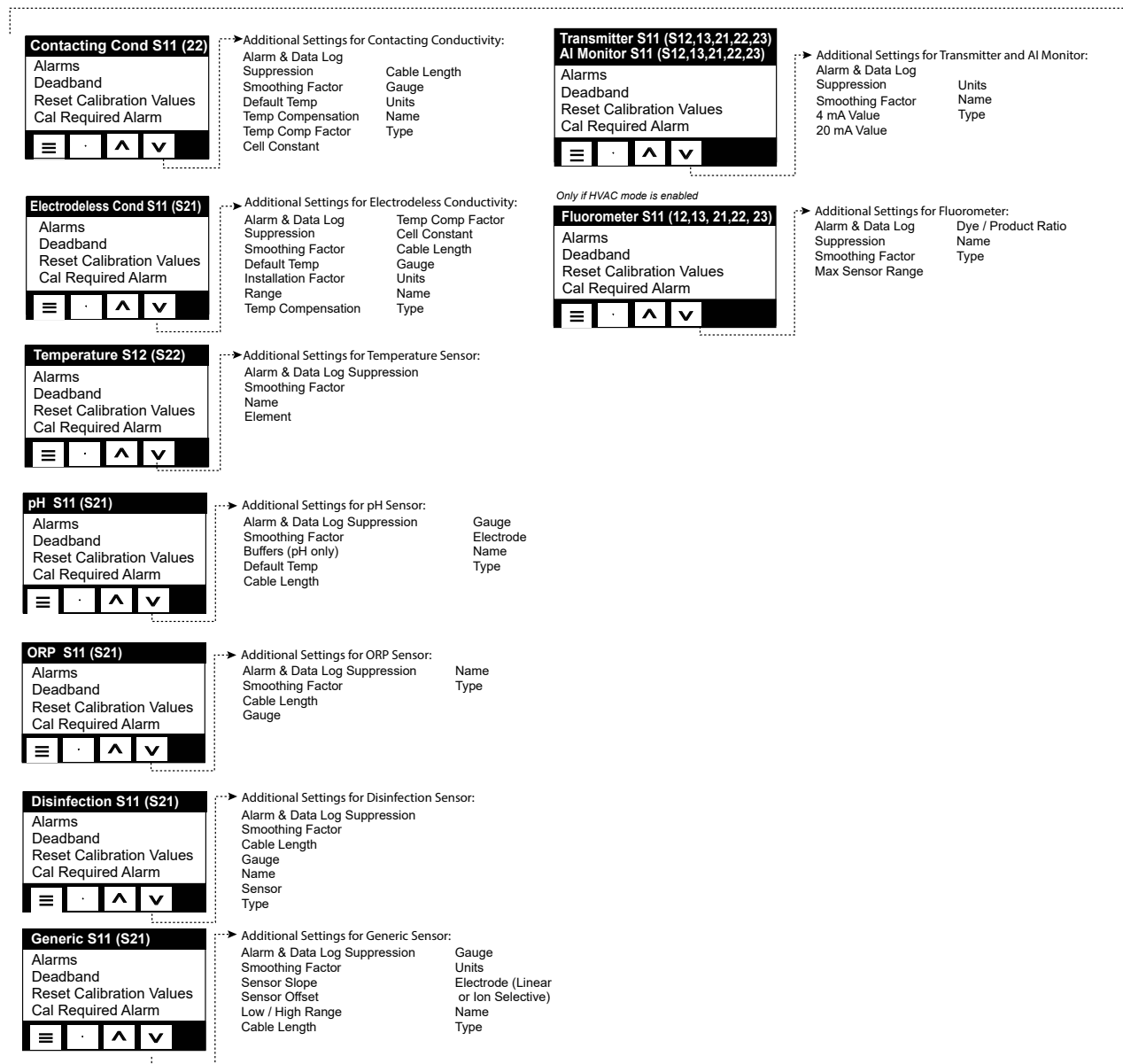
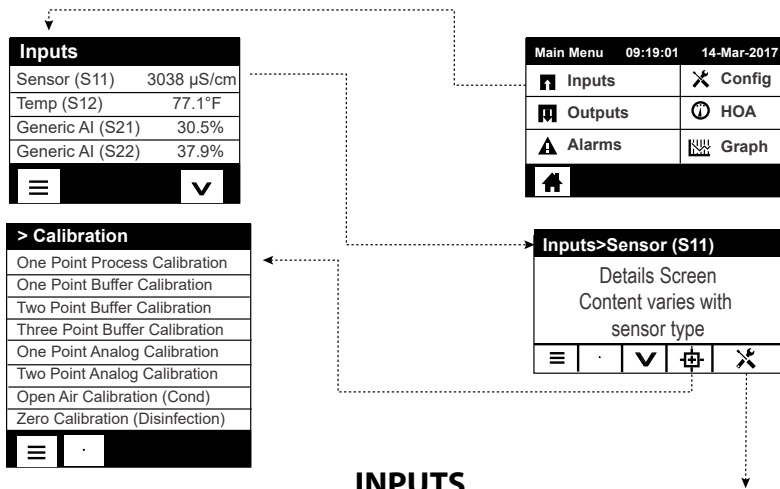


Graph Settings	
Sensor	
DI Relay	
Low Axis Limit	
High Axis Limit	

Additional Graph Settings:
 Time Range

Time Range	
10 Minutes	
30 Minutes	
1 Hour	
2½ Hours	

More possible settings:
 8 Hours
 12 Hours
 1 Day
 ½ Week
 1 Week
 2 Weeks
 4 Weeks



INPUTS

VIRTUAL INPUTS

Calculation (V1-V2)

Alarms
Deadband
Input
Input 2

≡ · ^ v

→ Additional Settings for Virtual Input

- Calculation Mode
- Alarm & Datalog Suppression
- Low Range
- High Range
- Smothing Factor
- Name
- Type

Raw Value (V1-V2)

Alarms
Deadband
Alarm & Datalog Suppression
Input

≡ · ^ v

→ Additional Settings for Raw Value:

- Smothing factor
- Name
- Type

DI State (D1-D6)

Open Message
Closed Message
Interlock
Alarm

≡ · ^ v

→ Additional Settings for DI State:

- Alarm & Datalog Suppression
- Total Time
- Reset Time Total
- Name
- Type

Contactor Type

Flowmeter (D1-D6)

Totalizer Alarm
Reset Flow Total
Set Flow Total
Scheduled Reset

≡ · ^ v

→ Additional Settings for Contactor, Flowmeter:

- Alarm & Datalog Suppression
- Volume/Contact
- Flow Units
- Name
- Type

Paddlewheel Type

Flowmeter (D1-D6)

Alarms
Deadband
Alarm & Datalog Suppression
Totalizer Alarm

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→ Additional Settings for Paddlewheel, Flowmeter:

- Reset Flow Total
- Set Flow Total
- Scheduled Reset
- K Factor
- Flow Units
- Rate Units
- Smothing Factor
- Name
- Type

Feed Monitor (D1-D6)

Totalizer Alarm
Reset Flow Total
Set Flow Total
Scheduled Reset

≡ · ^ v

→ Additional Settings for Feed Monitor:

Total Alarm Mode	Flow Units
Flow Alarm Mode	Rate Units
Flow Alarm Delay	Smothing Factor
Flow Alarm Clear	Output
Deadband	Name
Reprime Time	Type
Volume/Contact	

Only if HVAC mode is disabled

DI Counter (D1-D6)

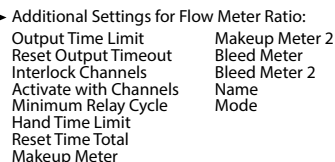
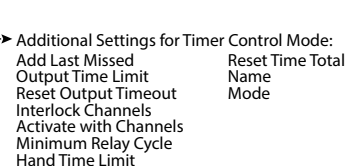
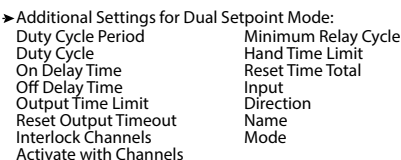
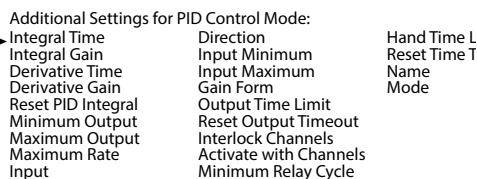
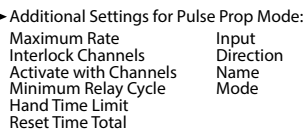
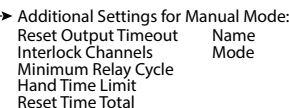
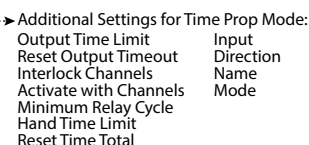
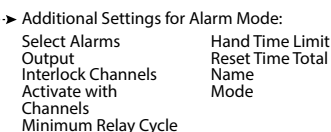
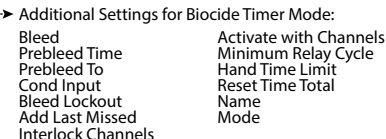
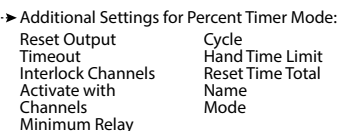
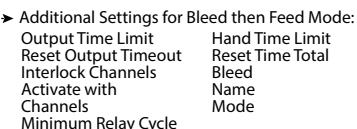
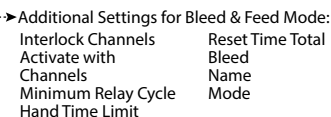
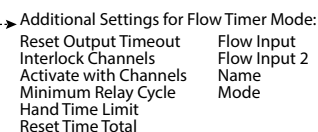
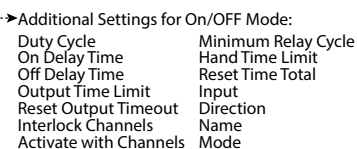
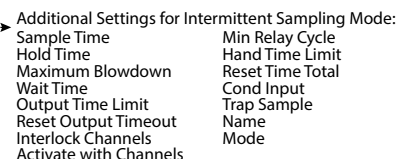
Alarms
Deadband
Alarm & Datalog Suppression
Totalizer Alarm

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→ Additional Settings for DI Counter

Reset Total	Smothing Factor
Set Total	Name
Scheduled Reset	Type
Units	
Rate Units	
Units per Pulse	

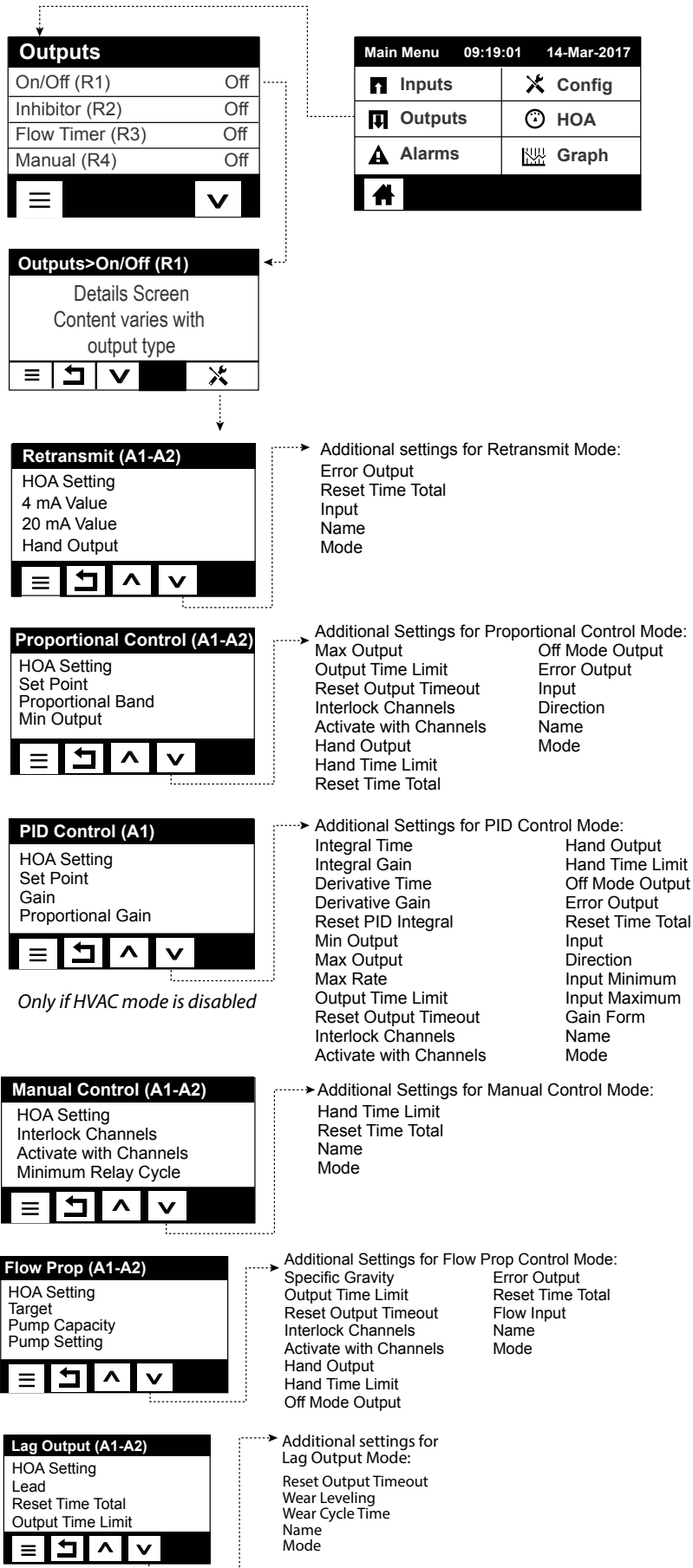
DIGITAL INPUTS



OUTPUTS (RELAYS R1-R6) Page2

Probe Wash (R1-R6) HOA Setting Event 1 (through 10) Repetition Hourly Week Day Events Per Day Start Time Duration ≡ . ^ v	→ Additional Settings for Probe Wash Mode: Input Input 2 Sensor Mode Hold Time Interlock Channels Activate with Channels Minimum Relay Cycle Hand Time Limit Reset Time Total Name Mode
Spike Control (R1-R6) HOA Setting Set point Spike Set point Deadband ≡ . ^ v	→ Additional Settings for Spike Control Mode: Duty Cycle Period Duty Cycle Event 1 (through 8) Repetition Week Day Start Time Duration Input Direction Interlock Channels Activate with Channels Minimum Relay Cycle Hand Time Limit Reset Time Total Name Mode
Lag Control (R1-R6) HOA Setting Lead Wear Leveling* Wear Cycle Time* ≡ . ^ v	→ Additional Settings for Lag Control Mode: Activation Mode* Set Point Set Point 2 Deadband Delay Time* Output Time Limit Reset Output Timeout Interlock Channels * See section 5.3.22 Activate with Channels Min Relay Cycle Hand Time Limit Reset Time Total Name Mode
<i>Only if Relay Type is Pulse</i> Flow Prop (R1-R6) HOA Setting Target Pump Capacity Pump Setting ≡ . ^ v	→ Additional Settings for Flow Prop Control Mode: Specific Gravity Max Rate Output Time Limit Reset Output Timeout Interlock Channels Activate with Channels Hand Output Hand Time Limit Reset Time Total Flow Input Name Mode
Dual Switch (R1-R6) HOA Setting On Switch Activate On On Delay Time ≡ . ^ v	→ Additional Settings for Dual Switch Mode: Off Switch Activate Off Off Delay Time Hand Time Limit Output Time Limit Reset Output Timeout Interlock Channels Activate with Channels Min Relay Cycle Reset Time Total Name Mode
<i>Only if HVAC mode is disabled</i> Counter Timer (R1-R6) HOA Setting Feed Duration Accumulator Setpoint Reset Time ≡ . ^ v	→ Additional Settings for Counter Timer Mode: Output Time Limit Reset Output Timeout Interlock Channels Activate with Channels Minimum Relay Cycle Hand Time Limit Reset Time Total Input Name Mode

OUTPUTS (ANALOG A1-A2)



CONFIG MENU

HOME SCREEN (example)

▲ Flowswitch (D1) No Flow	
CCond (S11)	3041 µS/cm
Temp (S12)	77.0°F
Flowswitch (D1)	No Flow
☰	

Main Menu 09:19:01 14-Mar-2017	
☰ Inputs	✕ Config
☷ Outputs	⌚ HOA
▲ Alarms	📈 Graph
🏠	

Config	
Global Settings	
Security Settings	
Ethernet Settings	
Ethernet Details	
☰	▼

Additional Config Settings:
 Remote Communications (Modbus and BACnet)
 Email Report Settings
 Display Settings
 File Utilities
 Controller Details

Global Settings	
Date	
Time	
Name	
Location	
☰	☑ ▲ ▼

Additional Global Settings:
 Global Units
 Temperature Units
 Alarm Delay
 HVAC Modes
 Language

Security Settings	
Controller Log Out	
Security	
Local Password	
☰	☑ ▲ ▼

Ethernet Settings	
DHCP Setting	
Controller IP Address	
Network Netmask	
Network Gateway	
☰	☑ ▲ ▼

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

Ethernet Details	
Alarms	
DHCP Status	
Controller IP Address	
Network Netmask	
☰	☑ ▲ ▼

Additional Ethernet Details:
 Network Gateway
 DNS Server
 MAC Address
 Last Fluent Data
 Last Fluent Config

Remote Communications	
Comm Status	
Data Format	
Data Port	
Verbose Logging	
☰	☑ ▲ ▼

Email Report Settings	
Report #1 through #4	
Email Addresses	
Email Server	
SMTP Server	
☰	☑ ▲ ▼

Report #1-4 Settings:
 Report Type
 Email Recipients
 Repetition (Datalog/Summary/Graph Reports)
 Reports Per Day (Datalog/Summary/Graph Reports)
 Day (Datalog/Summary/Graph Reports)
 Day of Month (Datalog/Summary/Graph Reports)
 Report Time (Datalog/Summary/Graph Reports)
 Log Frequency (Datalog Report)
 Alarm Mode (Alarms Report)
 Select Alarms (Alarms Report)
 Alarm Delay (Alarms Report)
 Attach Summary (Alarms Report)

Additional Email Report Settings:
 SMTP Port
 From Address
 ASMTTP Username
 ASMTTP Password
 Test Report Recipients
 Send Email Test Report

Display Settings	
Home 1	
Home 2	
Home 3	
Home 4	
☰	☑ ▲ ▼

Additional Display Settings:
 Home 5
 Home 6
 Home 7
 Home 8
 Adjust Display
 Key Beep
 Auto Dim Time

File Utilities	
File Transfer Status	
Data Log Range	
Log Frequency	
Export Data Log File	
☰	☑ ▲ ▼

Additional File Utilities:
 Export Event Log
 Export System Log
 Export User Config File
 Import User Config File
 Restore Default Config
 Software Upgrade

Controller Details	
Controller	
Product Name	
Serial Number	
Controller Board	
☰	☑ ▲ ▼

Additional Controller Details:
 Software Version
 Power Board
 Sensor Board #1
 Software Version
 Sensor Board #2
 Software Version
 Network Board
 Software Version
 AO Board
 Last Data Log
 Battery Power
 Internal Temp 1
 Internal Temp 2
 Internal Temp 3
 Internal Temp 4
 +5 Volt Supply
 +3.3 Volt Supply
 LCD Bias Voltage
 LCD Supply