Quick Start Guide

AcowaZoo

December 2021

ACOWA
INSTRUMENTS

Contents

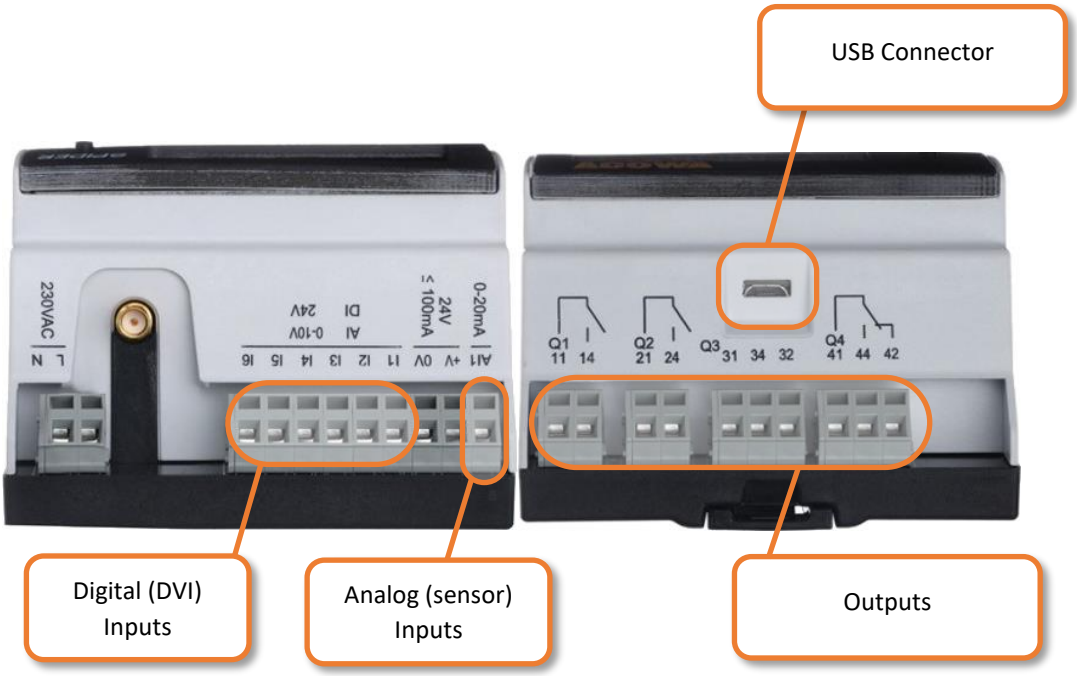
AcowaZoo - Devices

AcowaZoo application provides a user interface tool for working with devices:

- SPIDER (universal pump controller);
- GEKKO (data logger);
- PUMA (universal single pump controller);

SPIDER

Overview



Connecting to PC - USB

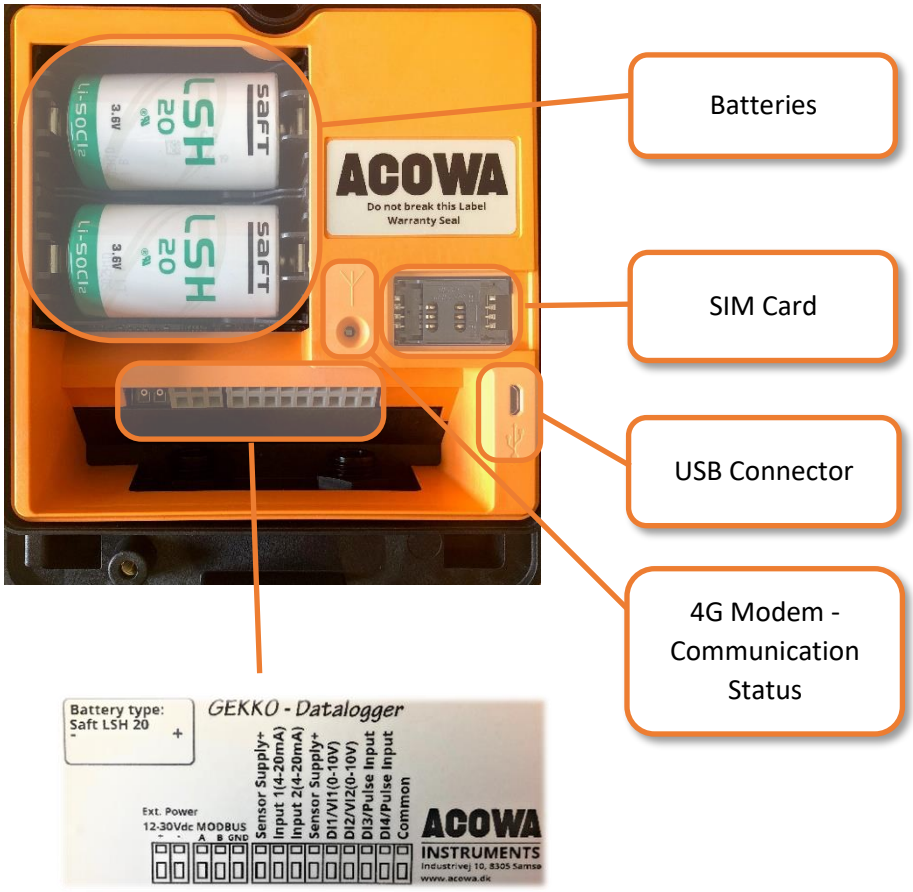
A SPIDER connects to a PC using a Micro-USB connector cable. The AcowaZoo tool application auto-detects the SPIDER and establish a connection.

Connecting via TCP

To connect a SPIDER using TCP IP, the SPIDER needs to be configured with the correct TCP settings (IP address and port). These settings are set using the USB interface to AcowaZoo tool. When TCP-settings in the SPIDER is correctly configured a TCP connection can be established.

GEKKO

Overview



Connecting to PC - USB

A GEKKO connects to a PC using a Micro-USB connector cable. The AcowaZoo tool application autodetects the GEKKO and establish a connection.

Connecting via TCP

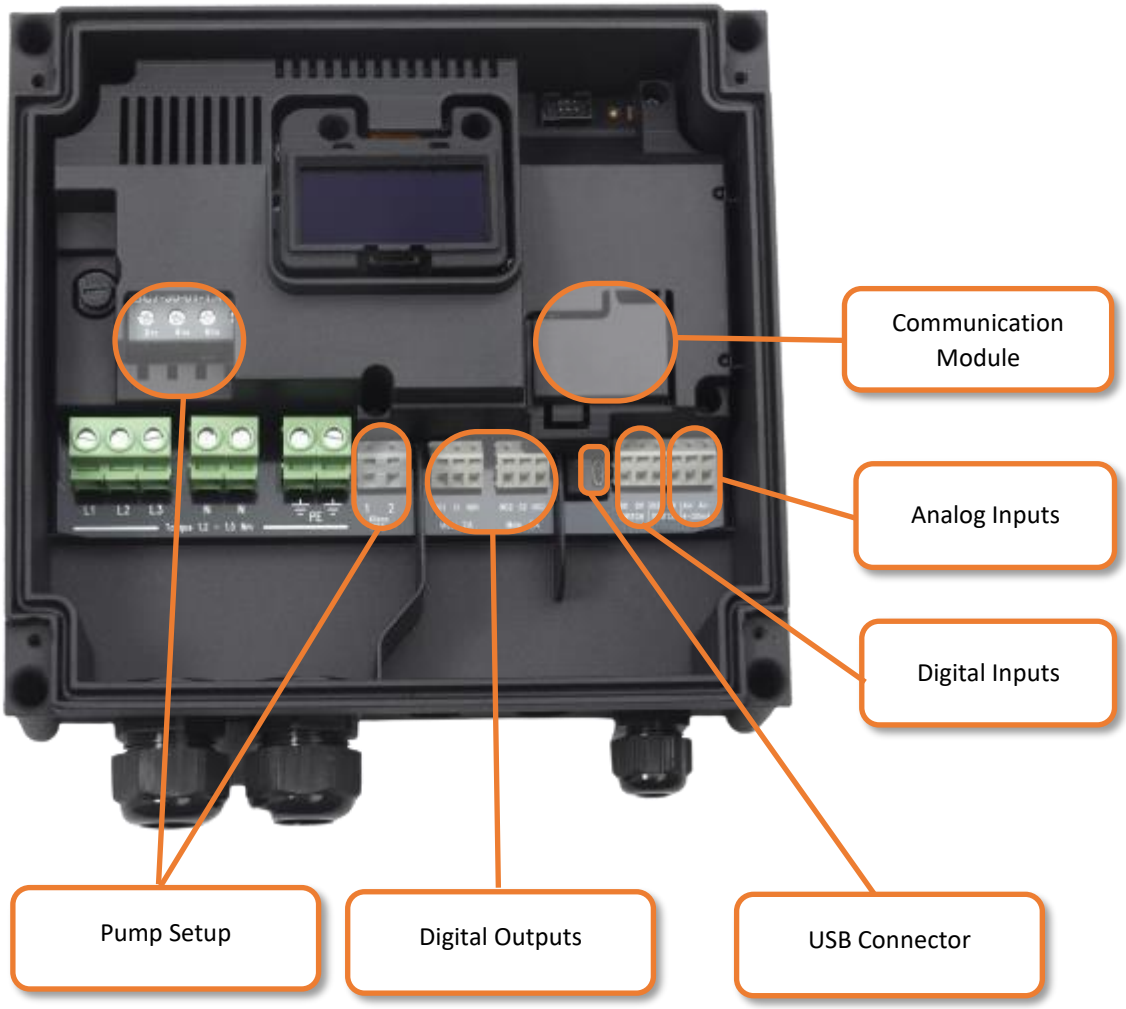
To connect a GEKKO using TCP IP the GEKKO needs to be configured with the correct TCP settings (IP address and port). These settings are set using the USB interface to AcowaZoo tool When TCP-settings in the GEKKO is correctly configured a TCP connection can be established.

Connecting via AcowaCore

AcowaZoo supports communication to GEKKO data loggers via AcowaCore software. This means that it is now possible to write setpoint changes to your devices locally via the server, without having to physically go to the individual devices.

PUMA

Overview



Connecting to PC - USB

A PUMA connects to a PC using a Micro-USB connector cable. The AcowaZoo tool application auto-detects the PUMA and establish a connection.

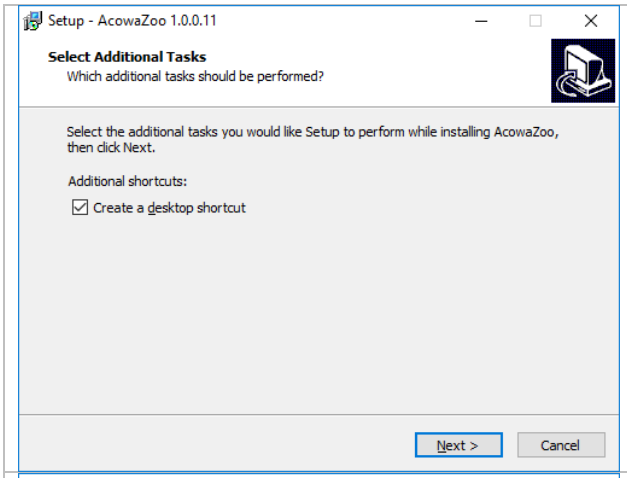
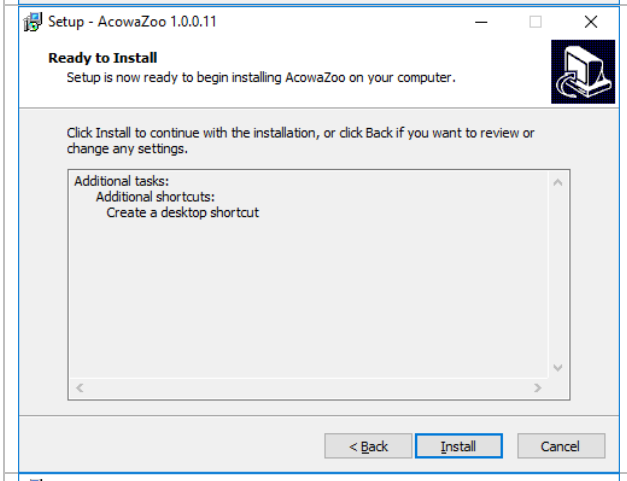
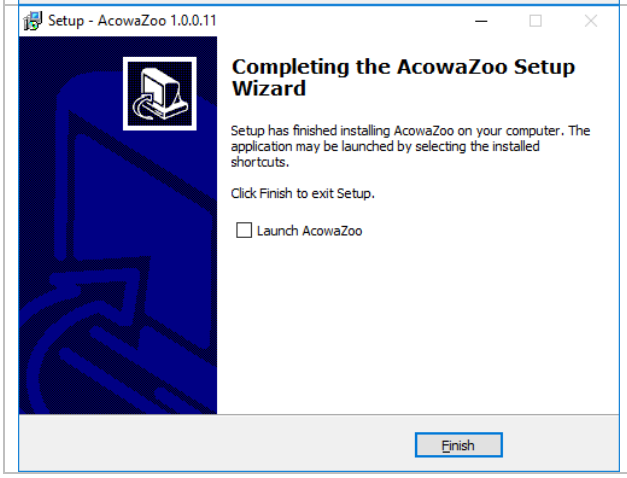
Connecting via TCP

To connect a PUMA using TCP IP, the PUMA needs to be configured with the correct TCP settings (IP address and port). These settings are set using the USB interface to AcowaZoo tool. When TCP-settings in the PUMA is correctly configured a TCP connection can be established.

AcowaZoo - Application

Installation

AcowaZoo tool is compatible with computers using ***Windows 7 or 10***. Run the installation program "**AcowaZooSetup.exe"** ("AcowaZooSetup_win32.exe" on 32-bit operating systems) and follow the on-screen instructions:

	Choose whether to place a shortcut on the desktop Then click ***"Next"***
	Click ***"Install"***
	Choose if AcowaZoo tool should be started immediately after installation. Click ***"Finish"***

Driver installation

After installing AcowaZoo tool (and before try device connection and communication), on computers using **Windows *7*** operating system, an install of extra driver files will be necessary. Right-click in files available in AcowaZoo tool install directory (typically C:\Program Files\AcowaZoo\driver): “fsl_ucwxp.inf”, “Gekko_usb.inf”, “Puma_usb.inf” and select “install”. Windows will now ask for your permission to install driver files.

NOTE: In some cases, installation requires the use of Windows Device Management. This will require administrative rights.

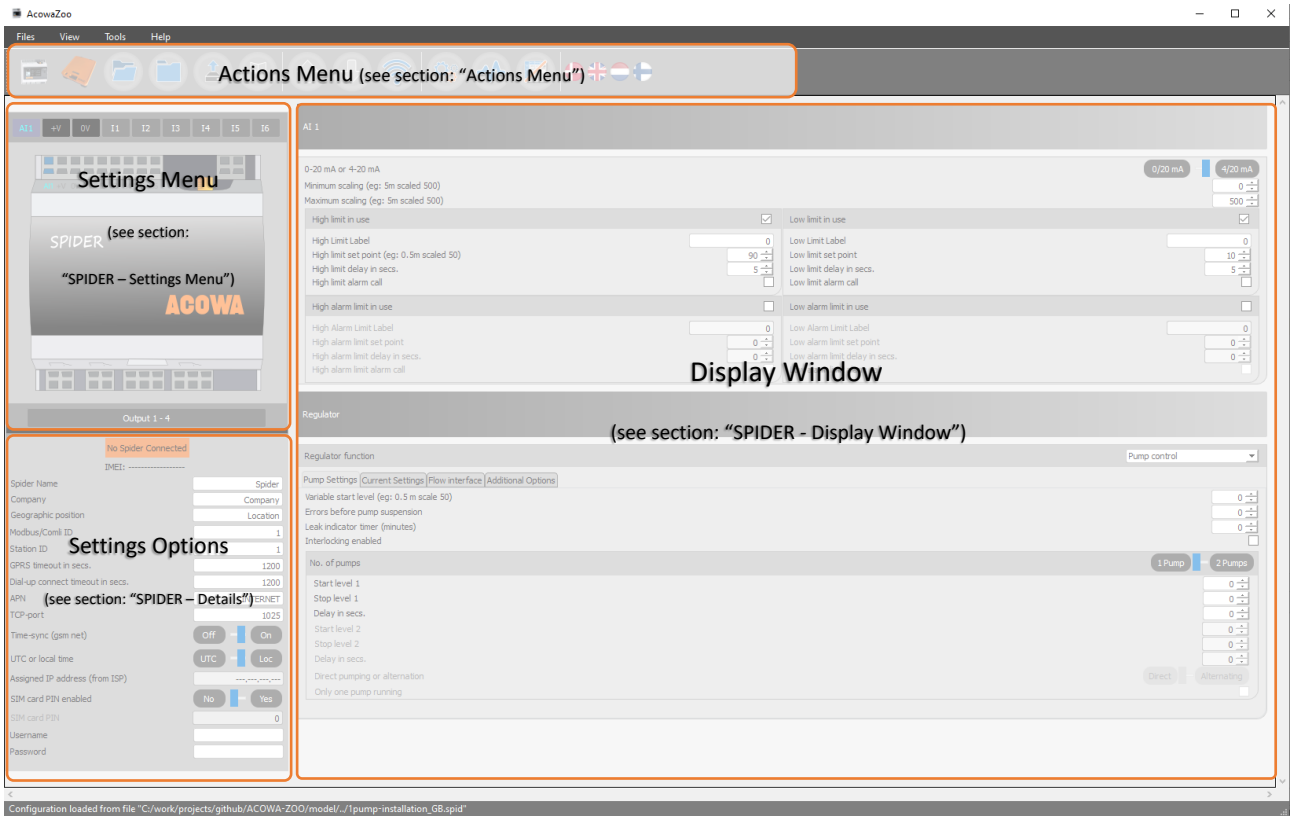
Overview

Start AcowaZoo tool application, select the default application language and the device type (SPIDER, GEKKO or PUMA).

Once the AcowaZoo tool application is running, it will automatically check for a SPIDER, GEKKO or PUMA connection via USB.

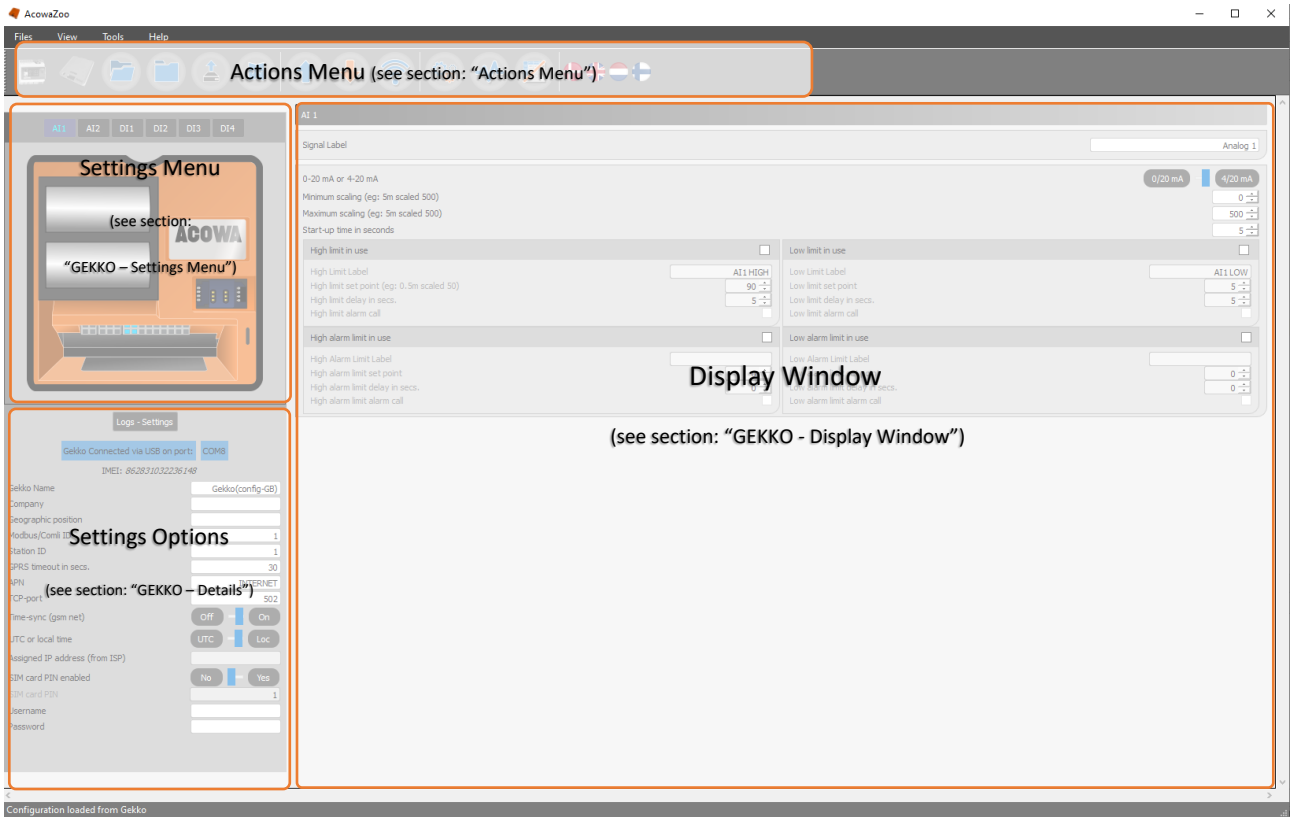
SPIDER View

When a SPIDER device is connected via USB, it can be configured using the tools below.



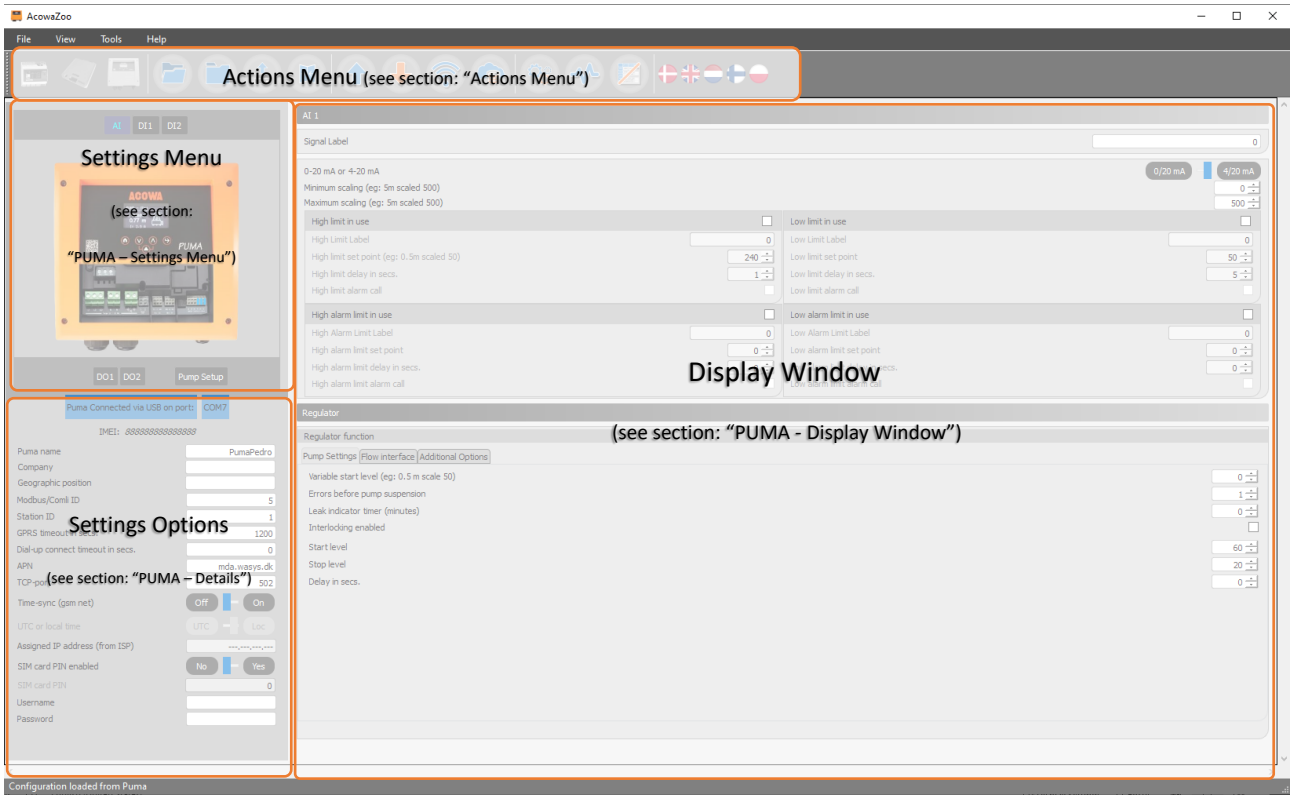
GEKKO View

When a GEKKO device is connected via USB, it can be configured using the tools below.



PUMA View

When a PUMA device is connected via USB, it can be configured using the tools below.



Device Action Menu

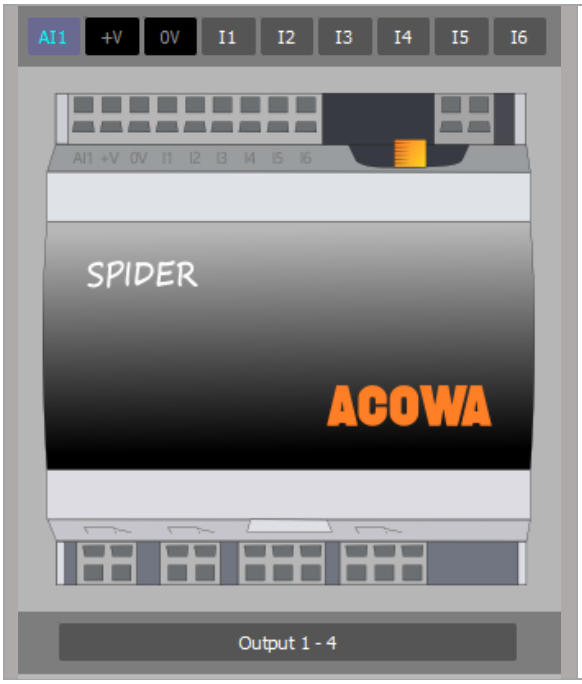
Actions such as read/write to device and/or disk, as well as TCP connection, and device status.

	**SPIDER view** Select SPIDER view to work with SPIDER configurations. Available only in offline mode (no device connected).
	**GEKKO view** Select GEKKO view to work with GEKKO configurations. Available only in offline mode (no device connected).
	**PUMA view** Select PUMA view to work with PUMA configurations. Available only in offline mode (no device connected).
	**Load Configuration from Disk** Loads settings from a file on a disk drive
	**Save Configuration to Disk** Saves settings to a file on a disk drive
	**Load Standard Configuration** Choose from typical default configurations (according SPIDER or GEKKO device)
	**Backup Operations** Backup Operations for read all configurations from a device and save in a file or read all device configurations from a specific file and write to the device.
	**Read Configuration from device (SPIDER or GEKKO)** Reads settings from the connected device
	**Write Configuration to device (SPIDER or GEKKO)** Writes settings to the connected device
	**Contact device (SPIDER or GEKKO) via TCP** Establish TCP communication to a device (will disconnect any USB-connection to a device)
	**Contact GEKKO device via AcowaCore** Establish asynchronous communication with a GEKKO device via AcowaCore. When connecting via the AcowaCore server, it is possible to select your device by pressing 'Edit', writing configuration changes to it, similar as if you were physically connected to the device via USB connector. The next time the data logger connects to AcowaCore, it

	will first look for configuration changes and store them locally in the device, then it will exchange data with the AcowaCore server.
	**Graphical User interface / Text based user interface** Change between viewing settings and configurations in a graphical user interface and using a simple table overview of Modbus registers in the specific device
	**View advanced settings** Edit alarm, flow/overflow calculation settings and more
	**Go to Status Page** View online device status details
	**Software Update feature** New AcowaZoo version available for installation. Select “Run Update” to start the installation process.
	**Language Options** Select application language.

Device Settings

SPIDER – Settings Menu



Choose which part of the SPIDER settings to view in the window on the right:

AI:
Analog Input settings

I1 – I6:
Input 1-6 settings

Output 1-4:
Output 1-4 settings

GEKKO – Settings Menu

Choose which part of the GEKKO settings to view in the window on the right:

AI1-2:
Analog Input 1-2 settings

DI1 – DI4:
Digital Input 1-4 settings

PUMA – Settings Menu

Choose which part of the PUMA settings to view in the window on the right:

Pump Setup:
Pump setup settings

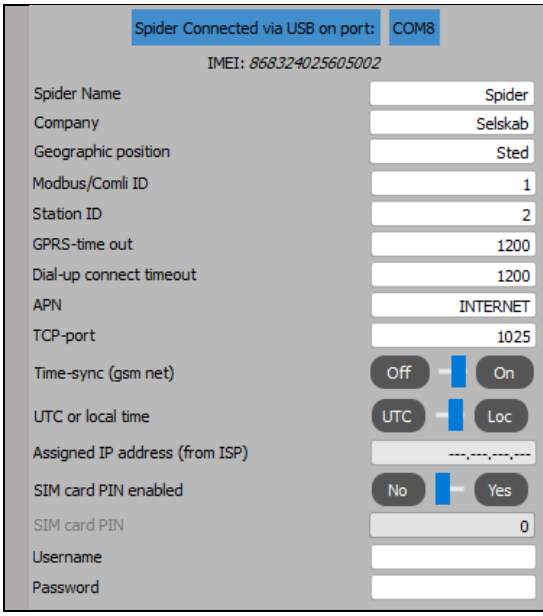
AI1:
Analog Input settings

DI1, DI2:
Digital Input settings

DO1, DO2:
Digital Output settings

Device Details

SPIDER – Details

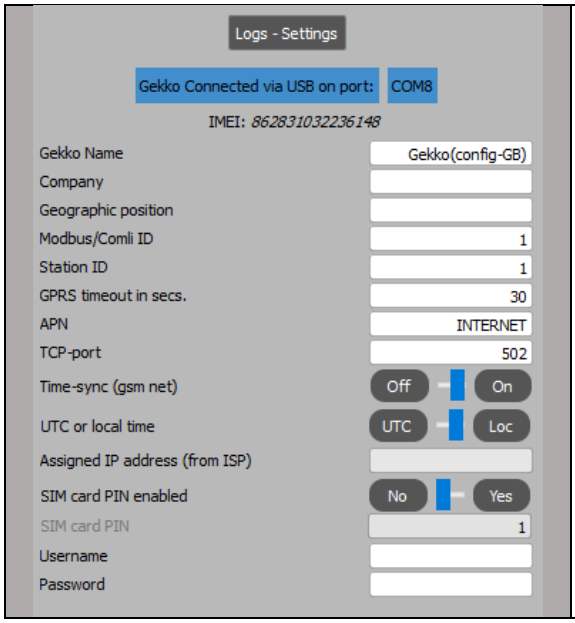


Information on the current SPIDER connection status and type:

- USB via COM-port
- IMEI
- TCP IP-address/port

You will also find details on the SPIDER naming, position and communication details such as APN, and GPRS settings.

GEKKO – Details

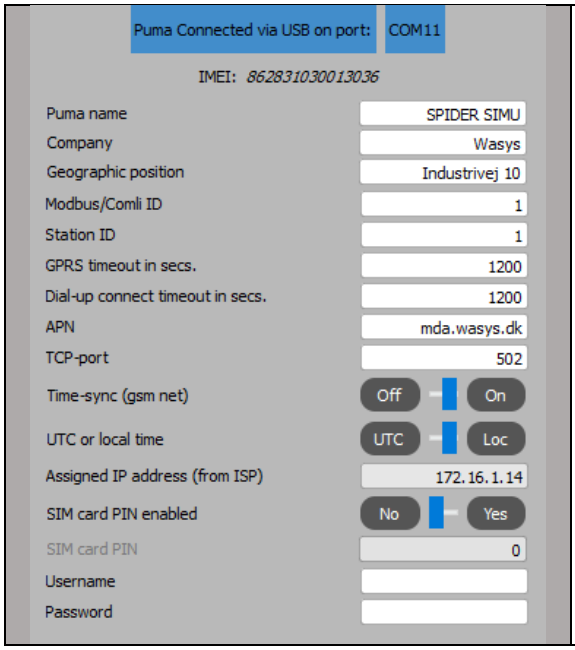


Information on the current GEKKO connection status and type:

- USB via COM-port
- IMEI
- TCP IP-address/port
- Logs – Settings (Log Interval, Call Interval, Event Signal)

You will also find details on the GEKKO naming, position and communication details such as APN, and GPRS settings.

PUMA – Details



Information on the current PUMA connection status and type:

- USB via COM-port
- IMEI
- TCP IP-address/port

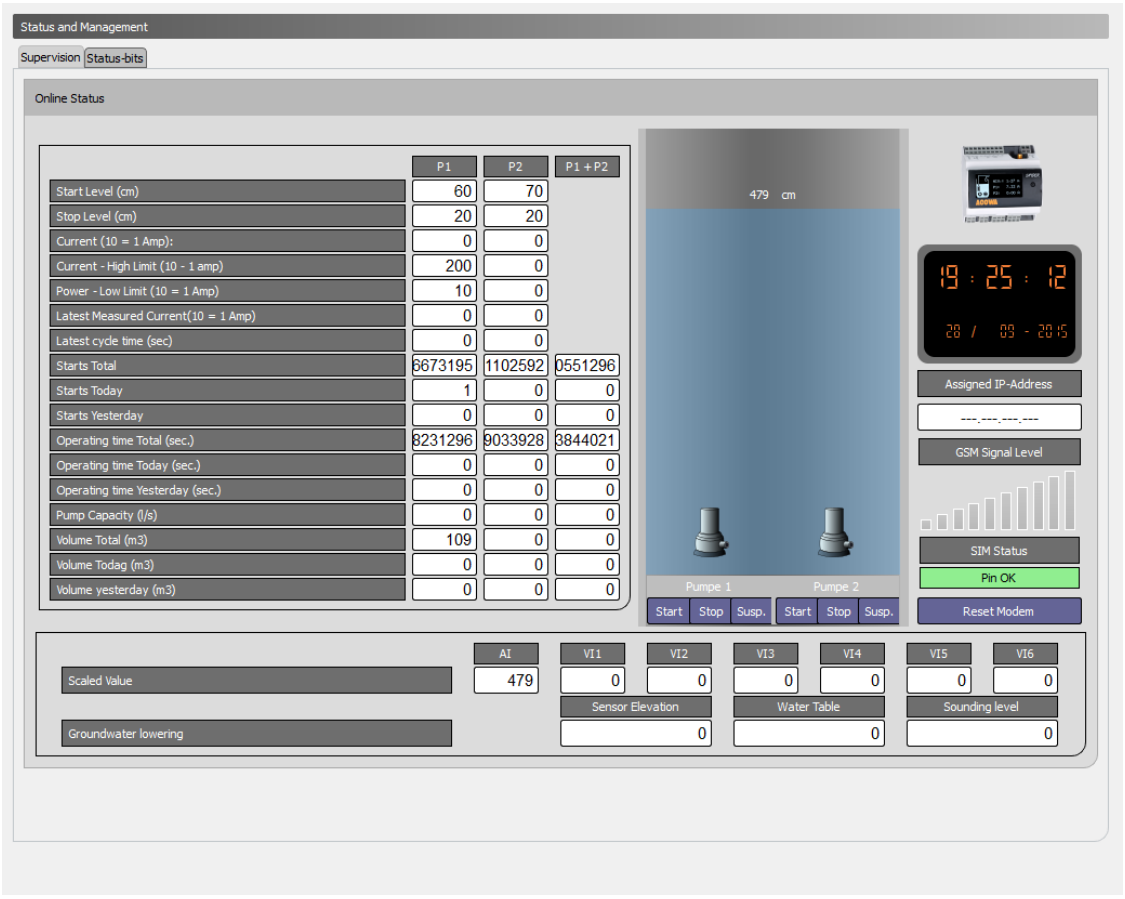
You will also find details on the PUMA naming, position and communication details such as APN, and GPRS settings.

Device Display Window

This window shows the chosen settings according to the selected/pressed button for a device (SPIDER, GEKKO or PUMA), for instance:

- Status settings
- Input settings
- Output settings
- Advanced settings
- Registers table settings

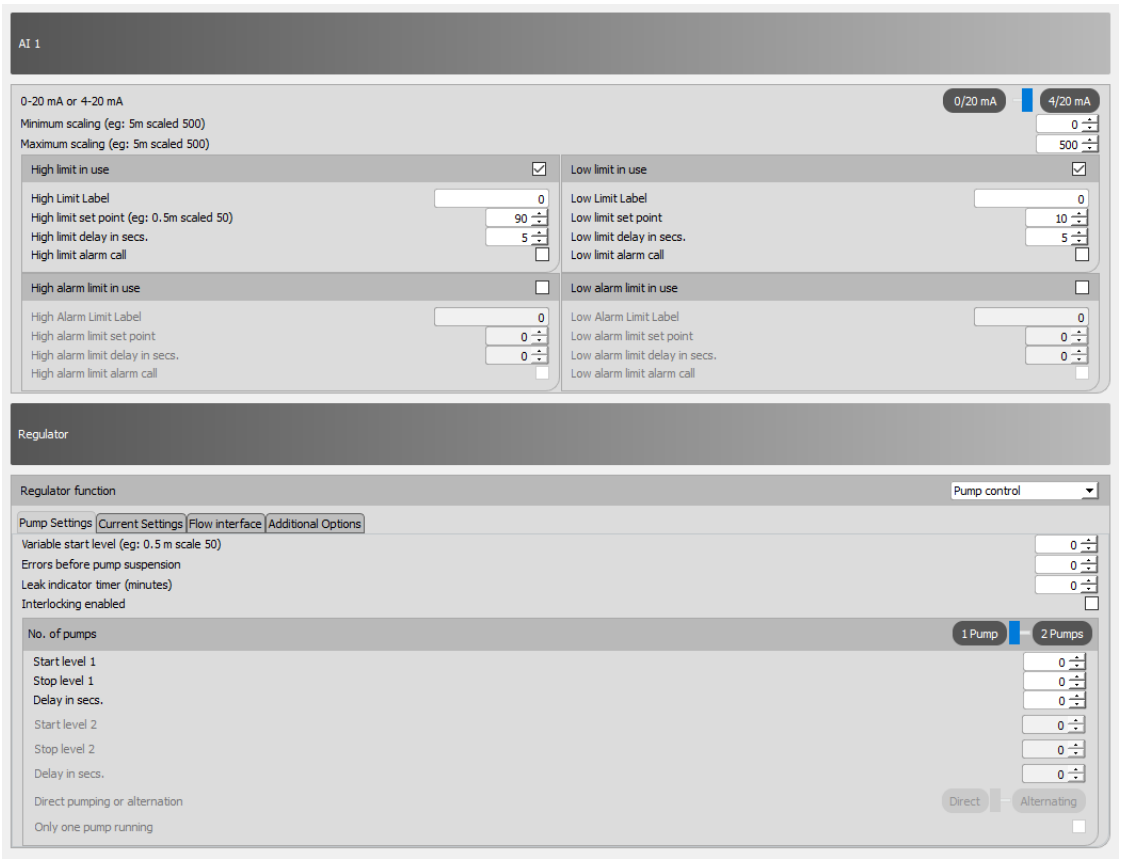
SPIDER - Display window

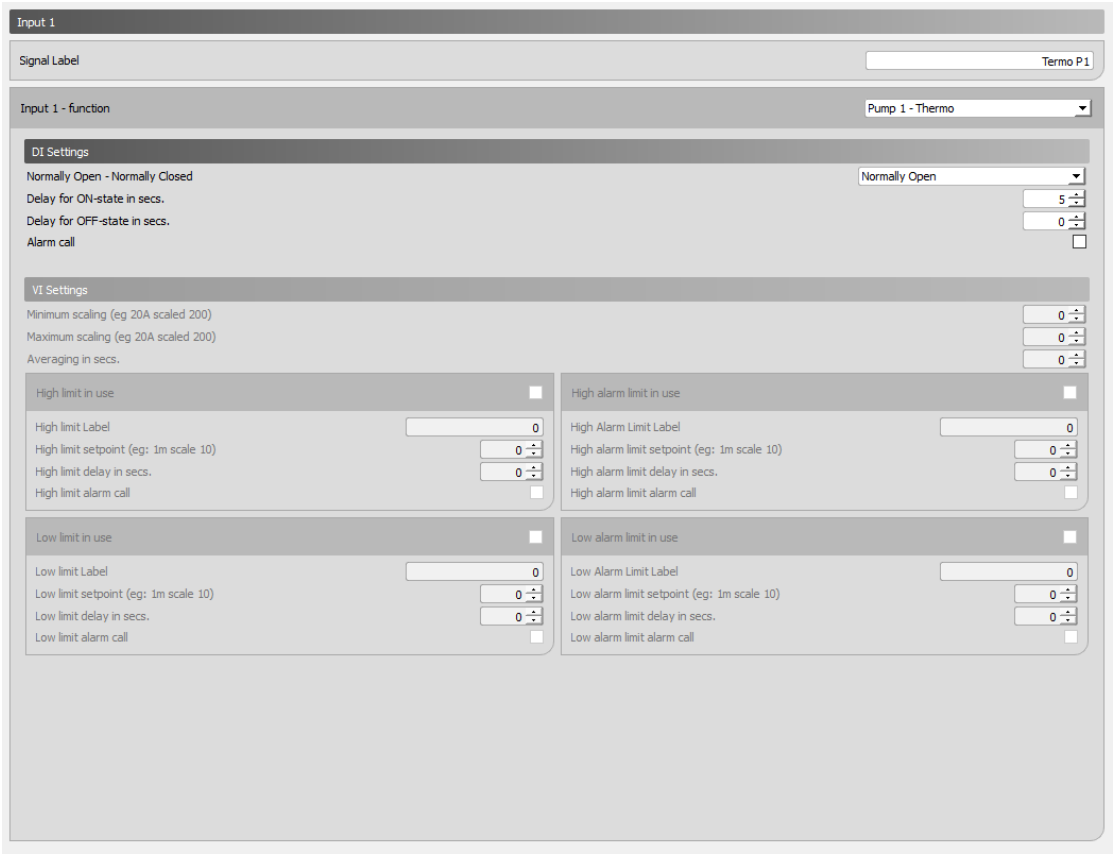


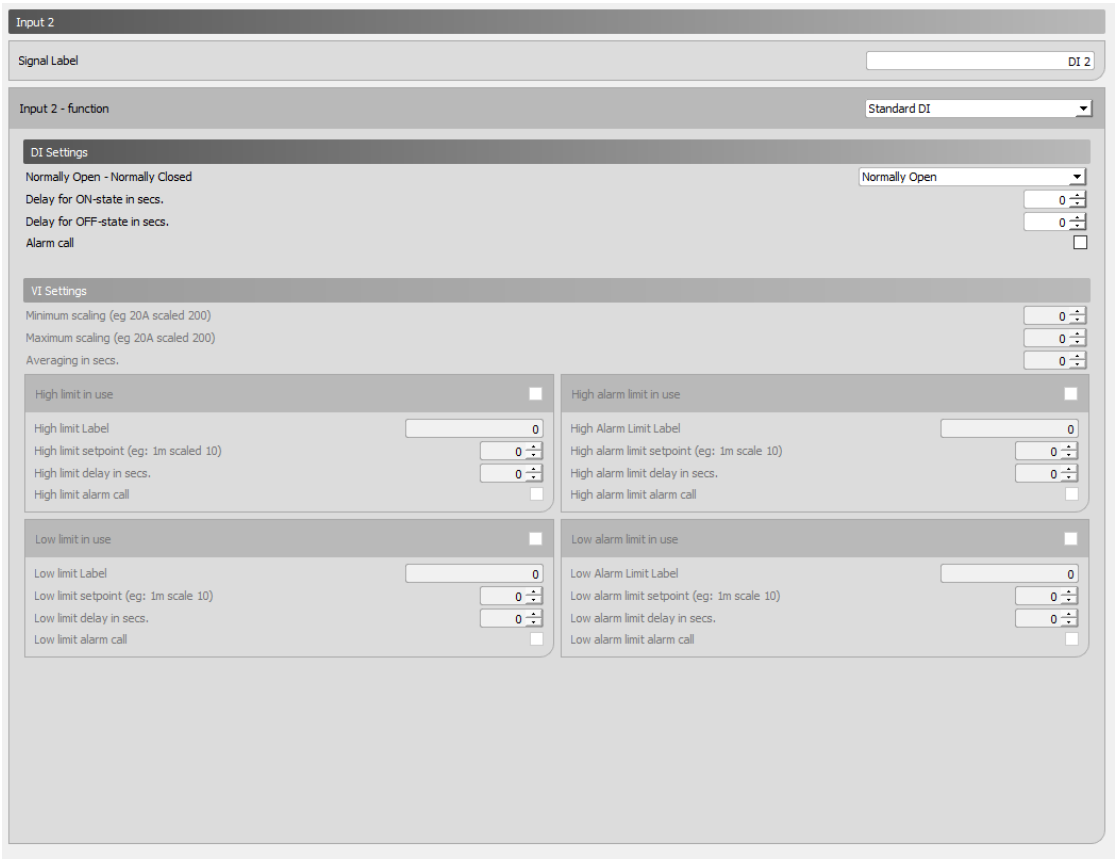
Edit Registers | Online registers | Input registers

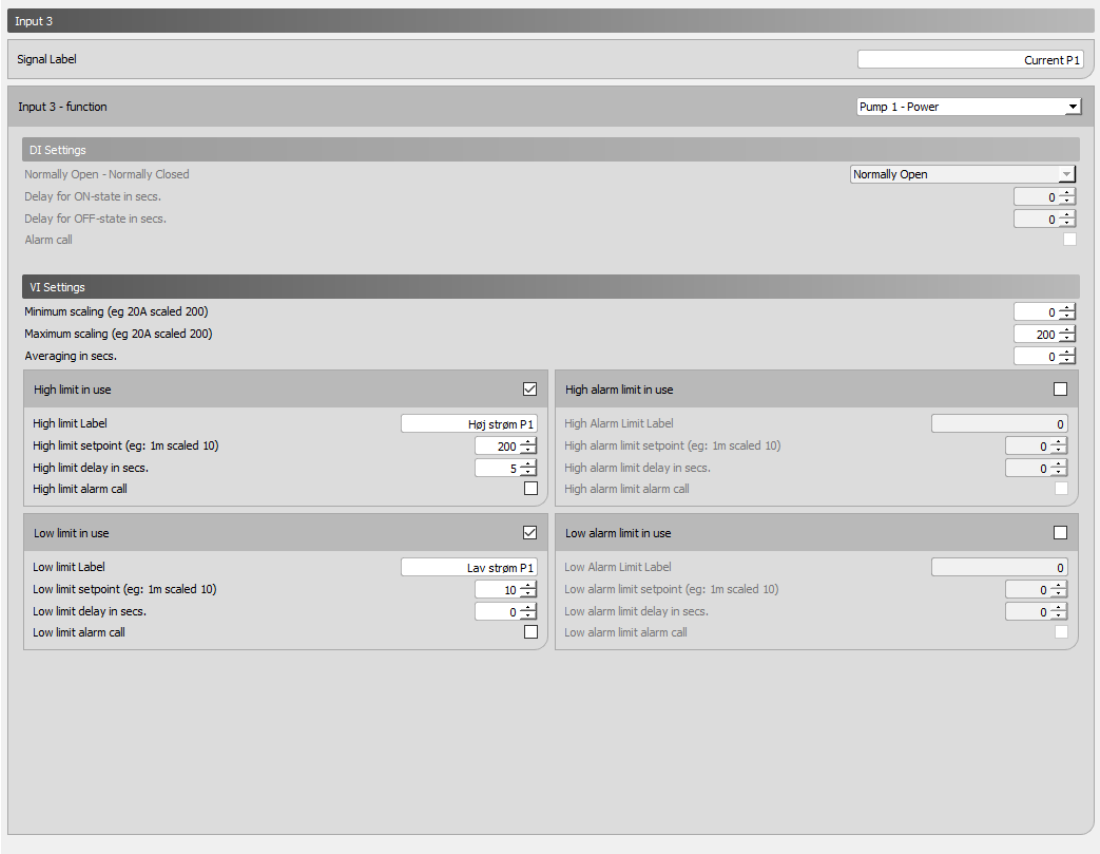
Filter:

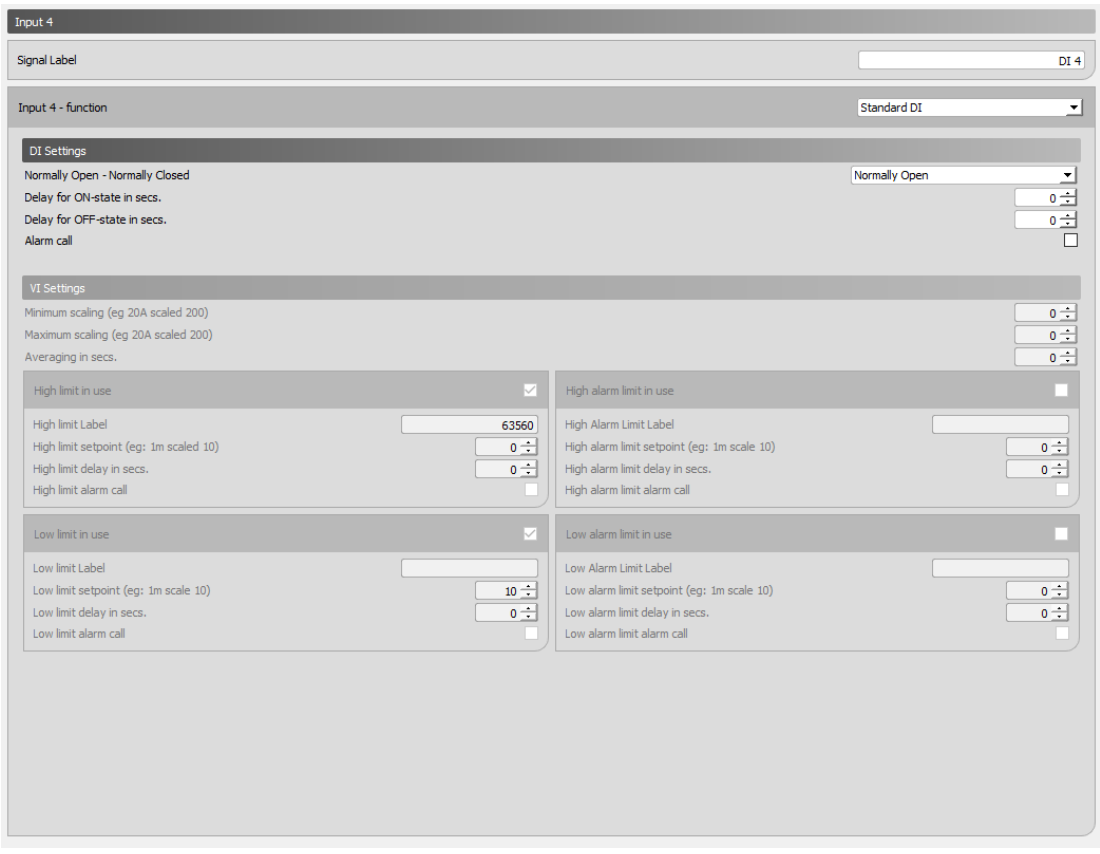
	Register	Register Name	Min	Max	Description	Value
1	2001	Modbus/Comli ID	0	247	Modbus/Comli ID	1
2	2002	Station ID	1	65535	Station ID	2
3	2003	AI - 0/20 mA or 4/20 mA	0	1	0-20 mA or 4-20 mA	1
4	2004	AI - 0% scale	-30000	30000	Minimum scaling (eg: 5m scaled 500)	0
5	2005	AI - 100% scale	-30000	30000	Maximum scaling (eg: 5m scaled 500)	500
6	2006	AI - Averaging in secs.	0	60	Averaging in secs.	0
7	2007	AI - high limit in use	0	1	High limit in use	1
8	2008	AI - high limit set point	-30000	30000	High limit set point (eg: 0.5m scaled 50)	90
9	2009	AI - high limit delay in secs.	0	60000	High limit delay in secs.	5
10	2010	AI - high limit alarm call	0	1	High limit alarm call	0
11	2011	AI - high alarm limit in use	0	1	High alarm limit in use	0
12	2012	AI - high alarm limit set point	-30000	30000	High alarm limit set point	0
13	2013	AI - high alarm limit delay in secs.	0	60000	High alarm limit delay in secs.	0
14	2014	AI - high alarm limit alarm call	0	1	High alarm limit alarm call	0
15	2015	AI - low limit in use	0	1	Low limit in use	1
16	2016	AI - low limit set point	-30000	30000	Low limit set point	10
17	2017	AI - low limit delay in secs.	0	60000	Low limit delay in secs.	5
18	2018	AI - low limit alarm call	0	1	Low limit alarm call	0
19	2019	AI - low alarm limit in use	0	1	Low alarm limit in use	0
20	2020	AI - low alarm limit set point	-30000	30000	Low alarm limit set point	0
21	2021	AI - low alarm limit delay in secs.	0	60000	Low alarm limit delay in secs.	0
22	2022	AI - low alarm limit alarm call	0	1	Low alarm limit alarm call	0
23	2023	AI - Label			Signal Label	0
24	2033	AI - High Limit Label			High Limit Label	0

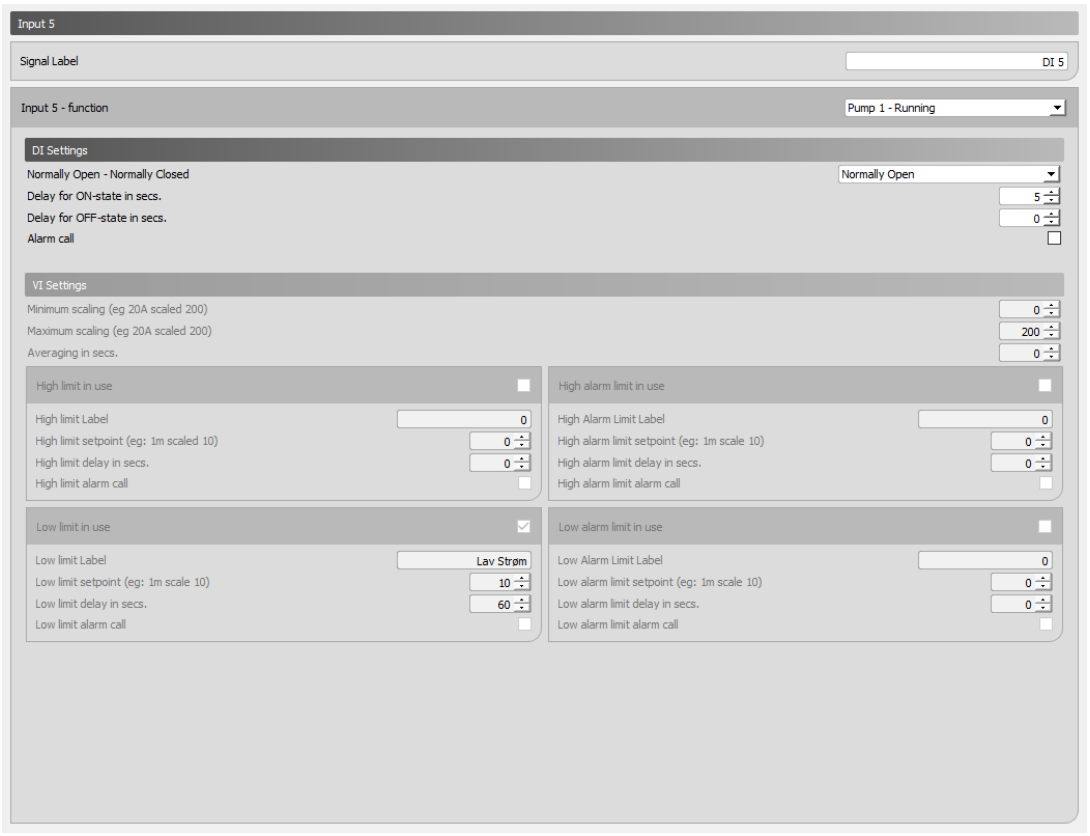


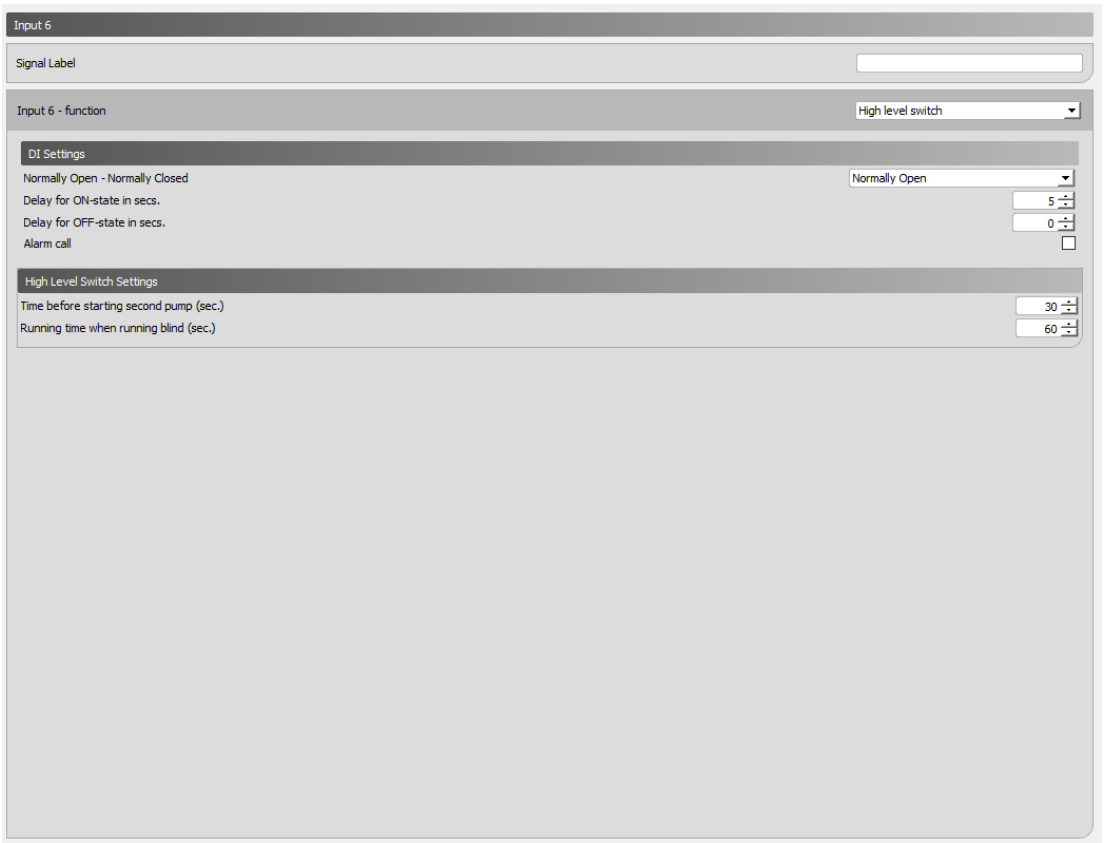

Input 1
Signal Label
Termo P1
Input 1 - function
Pump 1 - Thermo
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
5
Delay for OFF-state in secs.
0
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
0
Maximum scaling (eg 20A scaled 200)
0
Averaging in secs.
0
High limit in use
High limit Label
0
High limit setpoint (eg: 1m scale 10)
0
High limit delay in secs.
0
High limit alarm call
High alarm limit in use
High Alarm Limit Label
0
High alarm limit setpoint (eg: 1m scale 10)
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low limit in use
Low limit Label
0
Low limit setpoint (eg: 1m scale 10)
0
Low limit delay in secs.
0
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
0
Low alarm limit setpoint (eg: 1m scale 10)
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call

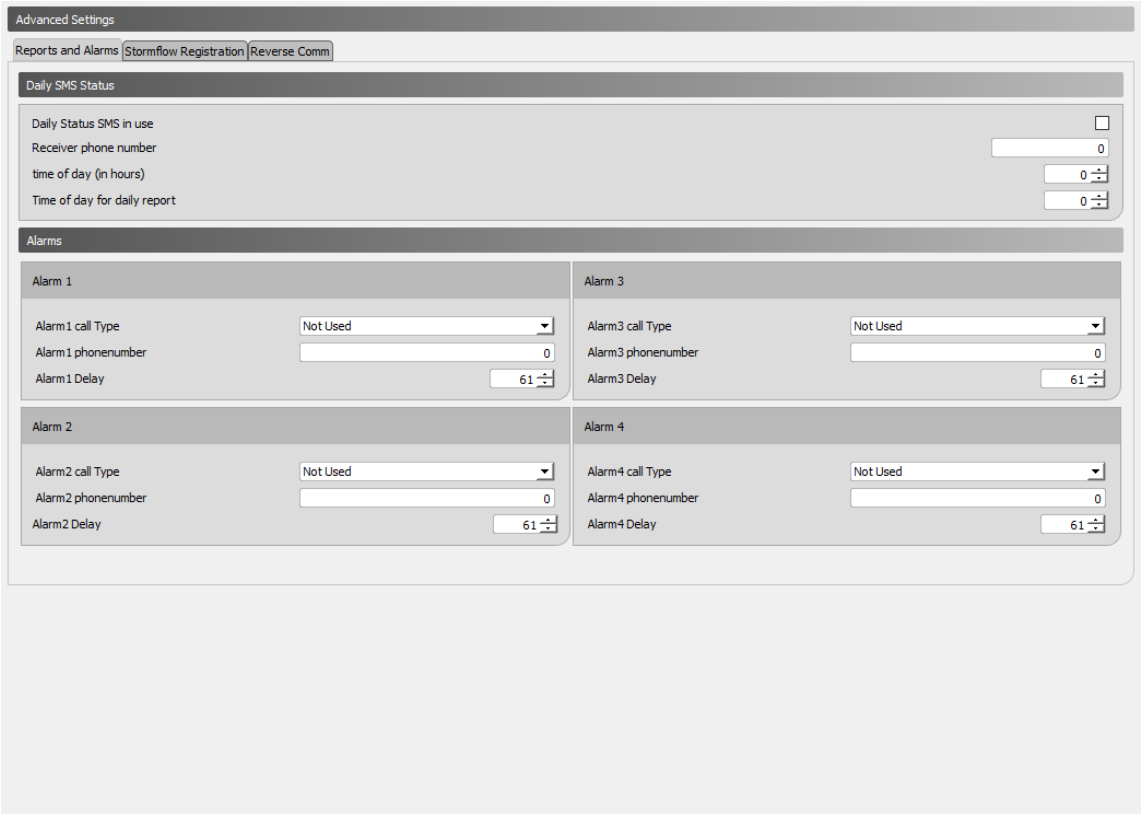

Input 2
Signal Label
DI 2
Input 2 - function
Standard DI
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
0
Delay for OFF-state in secs.
0
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
0
Maximum scaling (eg 20A scaled 200)
0
Averaging in secs.
0
High limit in use
High limit Label
0
High limit setpoint (eg: 1m scaled 10)
0
High limit delay in secs.
0
High limit alarm call
High alarm limit in use
High Alarm Limit Label
0
High alarm limit setpoint (eg: 1m scale 10)
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low limit in use
Low limit Label
0
Low limit setpoint (eg: 1m scale 10)
0
Low limit delay in secs.
0
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
0
Low alarm limit setpoint (eg: 1m scale 10)
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call


Input 3
Signal Label
Current P1
Input 3 - function
Pump 1 - Power
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
0
Delay for OFF-state in secs.
0
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
0
Maximum scaling (eg 20A scaled 200)
200
Averaging in secs.
0
High limit in use
High limit Label
Høj strøm P1
High limit setpoint (eg: 1m scaled 10)
200
High limit delay in secs.
5
High limit alarm call
High alarm limit in use
High Alarm Limit Label
0
High alarm limit setpoint (eg: 1m scaled 10)
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low limit in use
Low limit Label
Lav strøm P1
Low limit setpoint (eg: 1m scaled 10)
10
Low limit delay in secs.
0
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
0
Low alarm limit setpoint (eg: 1m scaled 10)
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call


Input 4
Signal Label
DI 4
Input 4 - function
Standard DI
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
0
Delay for OFF-state in secs.
0
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
0
Maximum scaling (eg 20A scaled 200)
0
Averaging in secs.
0
High limit in use
High limit Label
63560
High limit setpoint (eg: 1m scaled 10)
0
High limit delay in secs.
0
High limit alarm call
High alarm limit in use
High Alarm Limit Label
High alarm limit setpoint (eg: 1m scale 10)
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low limit in use
Low limit Label
Low limit setpoint (eg: 1m scale 10)
10
Low limit delay in secs.
0
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
Low alarm limit setpoint (eg: 1m scale 10)
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call


Input 5
Signal Label
DI 5
Input 5 - function
Pump 1 - Running
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
5
Delay for OFF-state in secs.
0
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
0
Maximum scaling (eg 20A scaled 200)
200
Averaging in secs.
0
High limit in use
High limit Label
0
High limit setpoint (eg: 1m scaled 10)
0
High limit delay in secs.
0
High limit alarm call
High alarm limit in use
High Alarm Limit Label
0
High alarm limit setpoint (eg: 1m scale 10)
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low limit in use
Low limit Label
Lav Strøm
Low limit setpoint (eg: 1m scale 10)
10
Low limit delay in secs.
60
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
0
Low alarm limit setpoint (eg: 1m scale 10)
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call


Input 6
Signal Label
Input 6 - function
High level switch
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
5
Delay for OFF-state in secs.
0
Alarm call
High Level Switch Settings
Time before starting second pump (sec.)
30
Running time when running blind (sec.)
60


Advanced Settings
Reports and Alarms
Stormflow Registration
Reverse Comm
Daily SMS Status
Daily Status SMS in use
Receiver phone number
time of day (in hours)
Time of day for daily report
Alarms
Alarm 1
Alarm1 call Type
Not Used
Alarm1 phonenumber
Alarm1 Delay
Alarm 3
Alarm3 call Type
Not Used
Alarm3 phonenumber
Alarm3 Delay
Alarm 2
Alarm2 call Type
Not Used
Alarm2 phonenumber
Alarm2 Delay
Alarm 4
Alarm4 call Type
Not Used
Alarm4 phonenumber
Alarm4 Delay

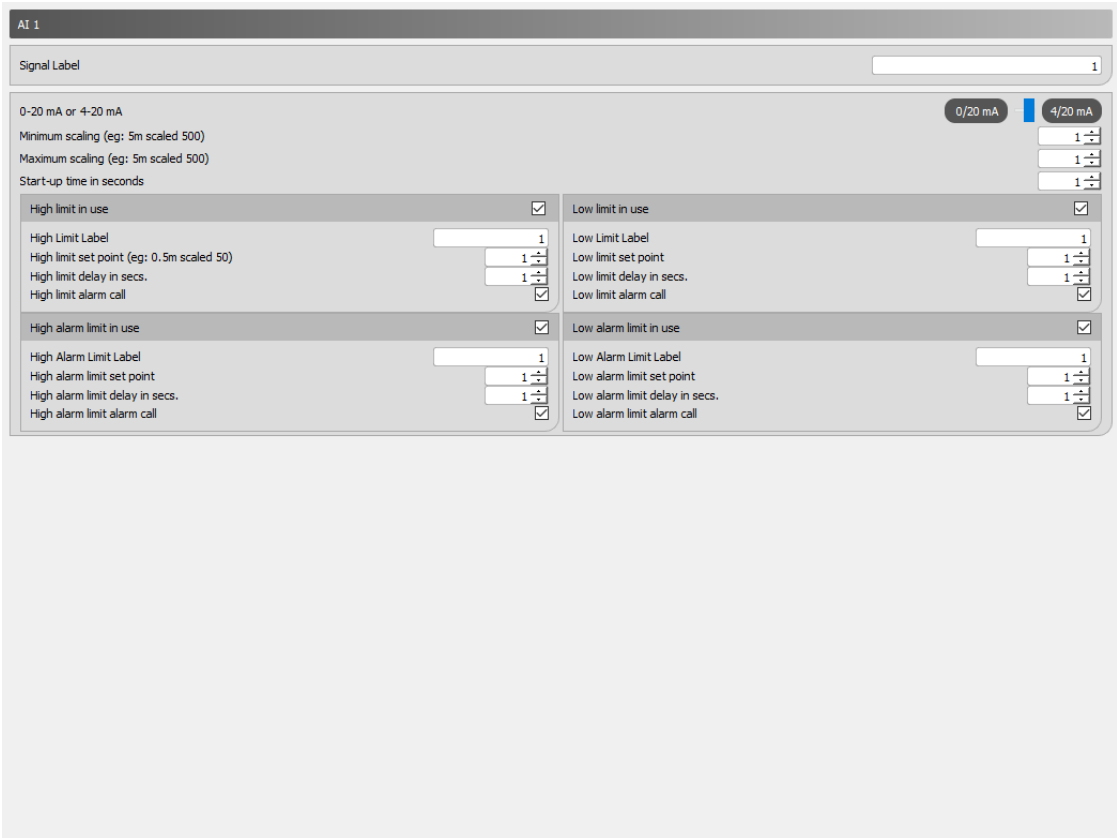

Output Control
Output 1 - Pump 1 control
Constant or Timed
Constant
Timed
ON-timer in secs.
Delay for ON-state in secs.
Output 2 - Pump 2 control
Constant or Timed
Constant
Timed
ON-timer in secs.
Delay for ON-state in secs.
Output 3
Function
Not Used
Constant or Timed
Constant
Timed
ON-timer in secs.
Delay for ON-state in secs.
Output 4
Function
Not Used
Constant or Timed
Constant
Timed
ON-timer in secs.
Delay for ON-state in secs.

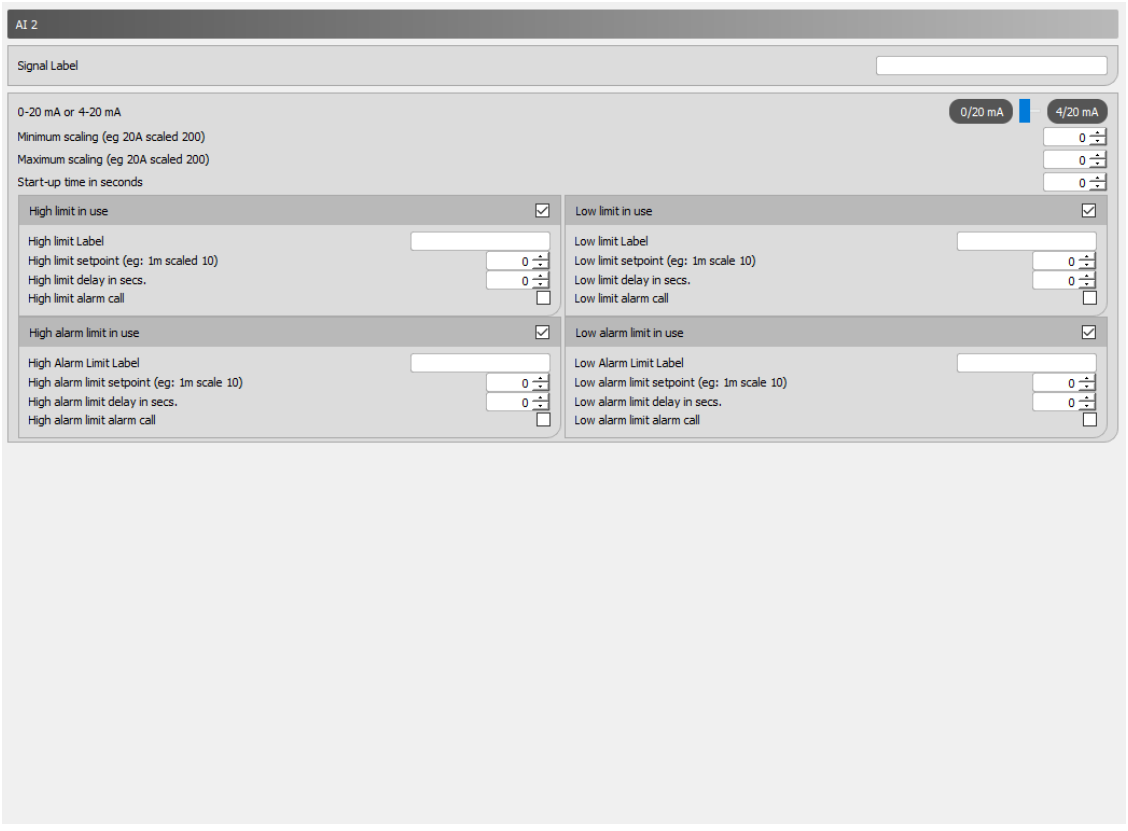
GEKKO - Display window

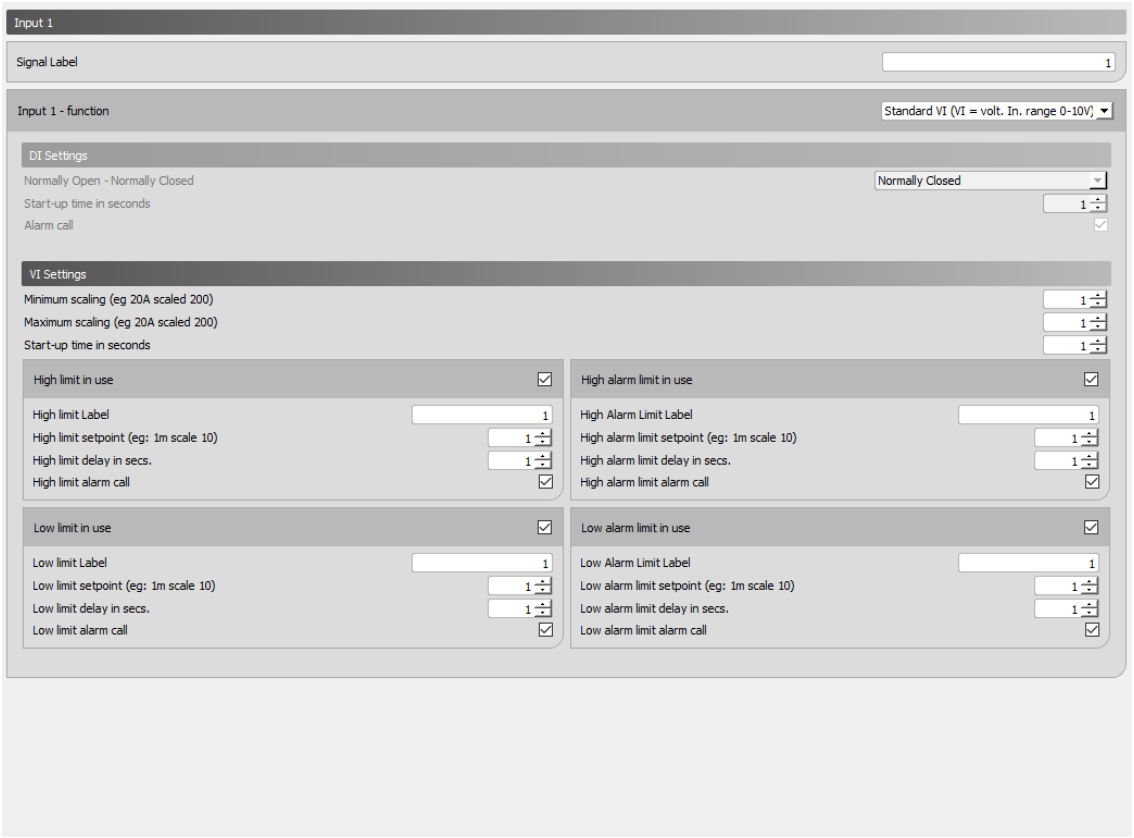
Edit Registers | Online registers | Input registers

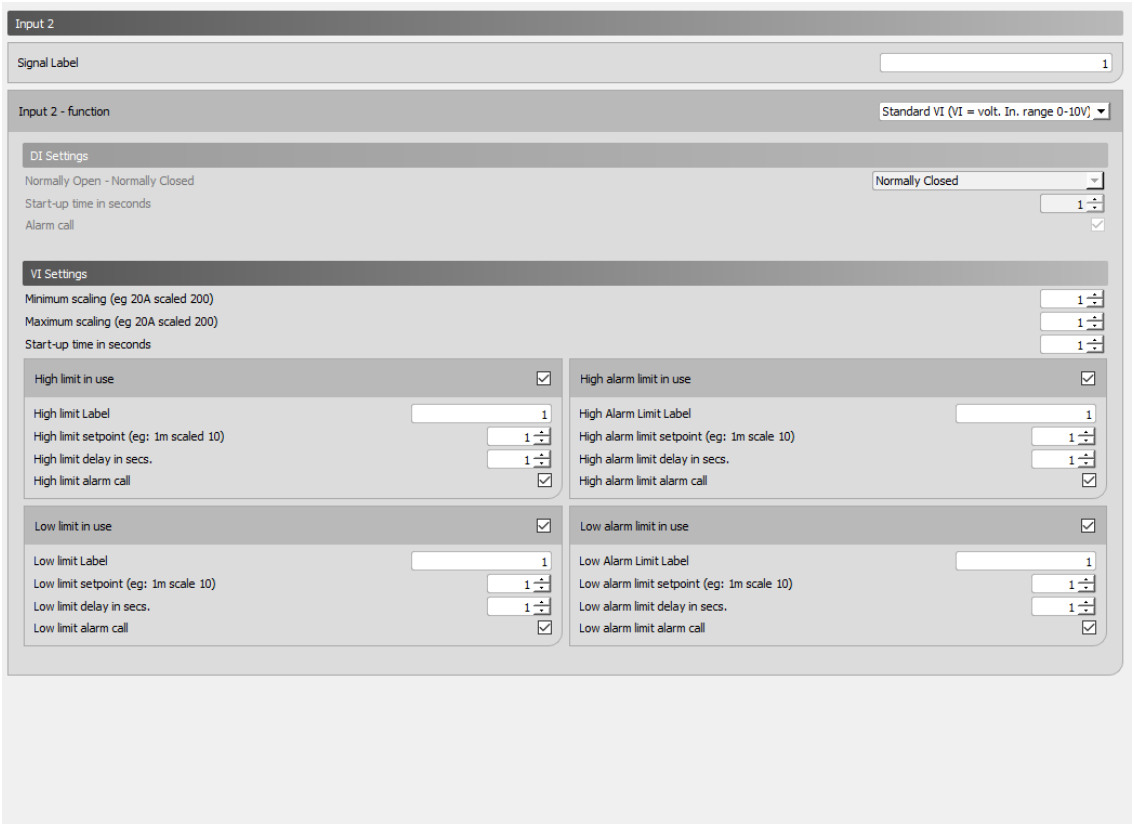
Filter:

	Register	Register Name	Min	Max	Description	Value
1	2001	Modbus/Comli ID	0	247	Modbus/Comli ID	1
2	2002	Station ID	1	65535	Station ID	1
3	2003	AI - 0/20 mA or 4/20 mA	0	1	0-20 mA or 4-20 mA	1
4	2004	AI - 0% scale	-30000	30000	Minimum scaling (eg: 5m scaled 500)	1
5	2005	AI - 100% scale	-30000	30000	Maximum scaling (eg: 5m scaled 500)	1
6	2006	AI - Start-up time in seconds	0	60	Start-up time in seconds	1
7	2007	AI - high limit in use	0	1	High limit in use	1
8	2008	AI - high limit set point	-30000	30000	High limit set point (eg: 0.5m scaled 50)	1
9	2009	AI - high limit delay in secs.	0	60000	High limit delay in secs.	1
10	2010	AI - high limit alarm call	0	1	High limit alarm call	1
11	2011	AI - high alarm limit in use	0	1	High alarm limit in use	1
12	2012	AI - high alarm limit set point	-30000	30000	High alarm limit set point	1
13	2013	AI - high alarm limit delay in secs.	0	60000	High alarm limit delay in secs.	1
14	2014	AI - high alarm limit alarm call	0	1	High alarm limit alarm call	1
15	2015	AI - low limit in use	0	1	Low limit in use	1
16	2016	AI - low limit set point	-30000	30000	Low limit set point	1
17	2017	AI - low limit delay in secs.	0	60000	Low limit delay in secs.	1
18	2018	AI - low limit alarm call	0	1	Low limit alarm call	1
19	2019	AI - low alarm limit in use	0	1	Low alarm limit in use	1
20	2020	AI - low alarm limit set point	-30000	30000	Low alarm limit set point	1
21	2021	AI - low alarm limit delay in secs.	0	60000	Low alarm limit delay in secs.	1
22	2022	AI - low alarm limit alarm call	0	1	Low alarm limit alarm call	1
23	2023	AI - Label			Signal Label	1
24	2033	AI - High Limit Label			High Limit Label	1

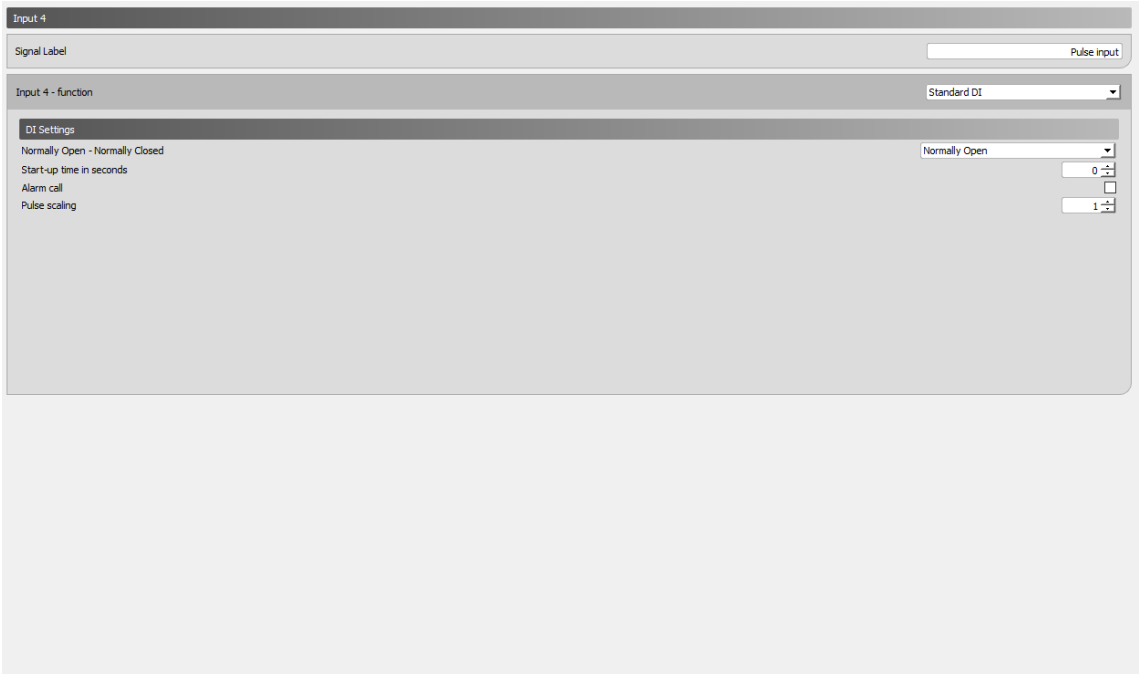

AI 1
Signal Label
1
0-20 mA or 4-20 mA
0/20 mA
4/20 mA
Minimum scaling (eg: 5m scaled 500)
Maximum scaling (eg: 5m scaled 500)
Start-up time in seconds
High limit in use
High Limit Label
High limit set point (eg: 0.5m scaled 50)
High limit delay in secs.
High limit alarm call
Low limit in use
Low Limit Label
Low limit set point
Low limit delay in secs.
Low limit alarm call
High alarm limit in use
High Alarm Limit Label
High alarm limit set point
High alarm limit delay in secs.
High alarm limit alarm call
Low alarm limit in use
Low Alarm Limit Label
Low alarm limit set point
Low alarm limit delay in secs.
Low alarm limit alarm call

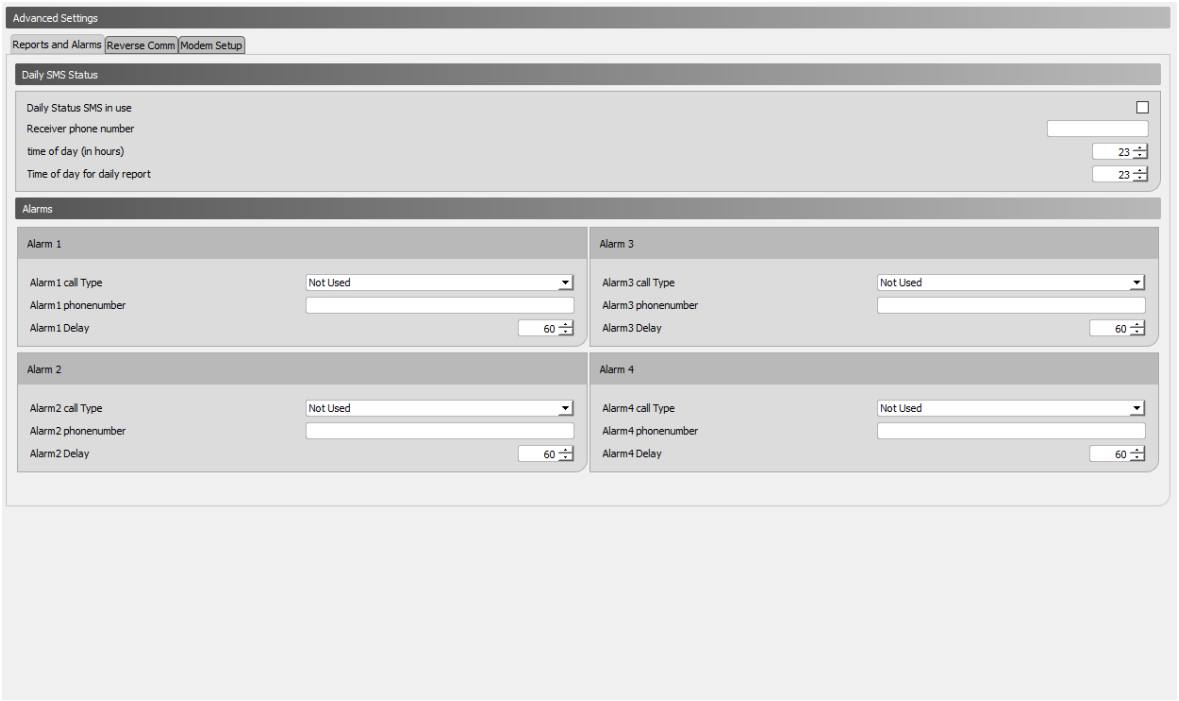

AI 2
Signal Label
0-20 mA or 4-20 mA
0/20 mA
4/20 mA
Minimum scaling (eg 20A scaled 200)
Maximum scaling (eg 20A scaled 200)
Start-up time in seconds
High limit in use
High limit Label
High limit setpoint (eg: 1m scaled 10)
High limit delay in secs.
High limit alarm call
Low limit in use
Low limit Label
Low limit setpoint (eg: 1m scale 10)
Low limit delay in secs.
Low limit alarm call
High alarm limit in use
High Alarm Limit Label
High alarm limit setpoint (eg: 1m scale 10)
High alarm limit delay in secs.
High alarm limit alarm call
Low alarm limit in use
Low Alarm Limit Label
Low alarm limit setpoint (eg: 1m scale 10)
Low alarm limit delay in secs.
Low alarm limit alarm call


Input 1
Signal Label
1
Input 1 - function
Standard VI (VI = volt. In. range 0-10V)
DI Settings
Normally Open - Normally Closed
Normally Closed
Start-up time in seconds
1
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
1
Maximum scaling (eg 20A scaled 200)
1
Start-up time in seconds
1
High limit in use
High limit Label
1
High limit setpoint (eg: 1m scale 10)
1
High limit delay in secs.
1
High limit alarm call
High alarm limit in use
High Alarm Limit Label
1
High alarm limit setpoint (eg: 1m scale 10)
1
High alarm limit delay in secs.
1
High alarm limit alarm call
Low limit in use
Low limit Label
1
Low limit setpoint (eg: 1m scale 10)
1
Low limit delay in secs.
1
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
1
Low alarm limit setpoint (eg: 1m scale 10)
1
Low alarm limit delay in secs.
1
Low alarm limit alarm call


Input 2
Signal Label
1
Input 2 - function
Standard VI (VI = volt. In. range 0-10V)
DI Settings
Normally Open - Normally Closed
Normally Closed
Start-up time in seconds
1
Alarm call
VI Settings
Minimum scaling (eg 20A scaled 200)
1
Maximum scaling (eg 20A scaled 200)
1
Start-up time in seconds
1
High limit in use
High limit Label
1
High limit setpoint (eg: 1m scaled 10)
1
High limit delay in secs.
1
High limit alarm call
High alarm limit in use
High Alarm Limit Label
1
High alarm limit setpoint (eg: 1m scale 10)
1
High alarm limit delay in secs.
1
High alarm limit alarm call
Low limit in use
Low limit Label
1
Low limit setpoint (eg: 1m scale 10)
1
Low limit delay in secs.
1
Low limit alarm call
Low alarm limit in use
Low Alarm Limit Label
1
Low alarm limit setpoint (eg: 1m scale 10)
1
Low alarm limit delay in secs.
1
Low alarm limit alarm call

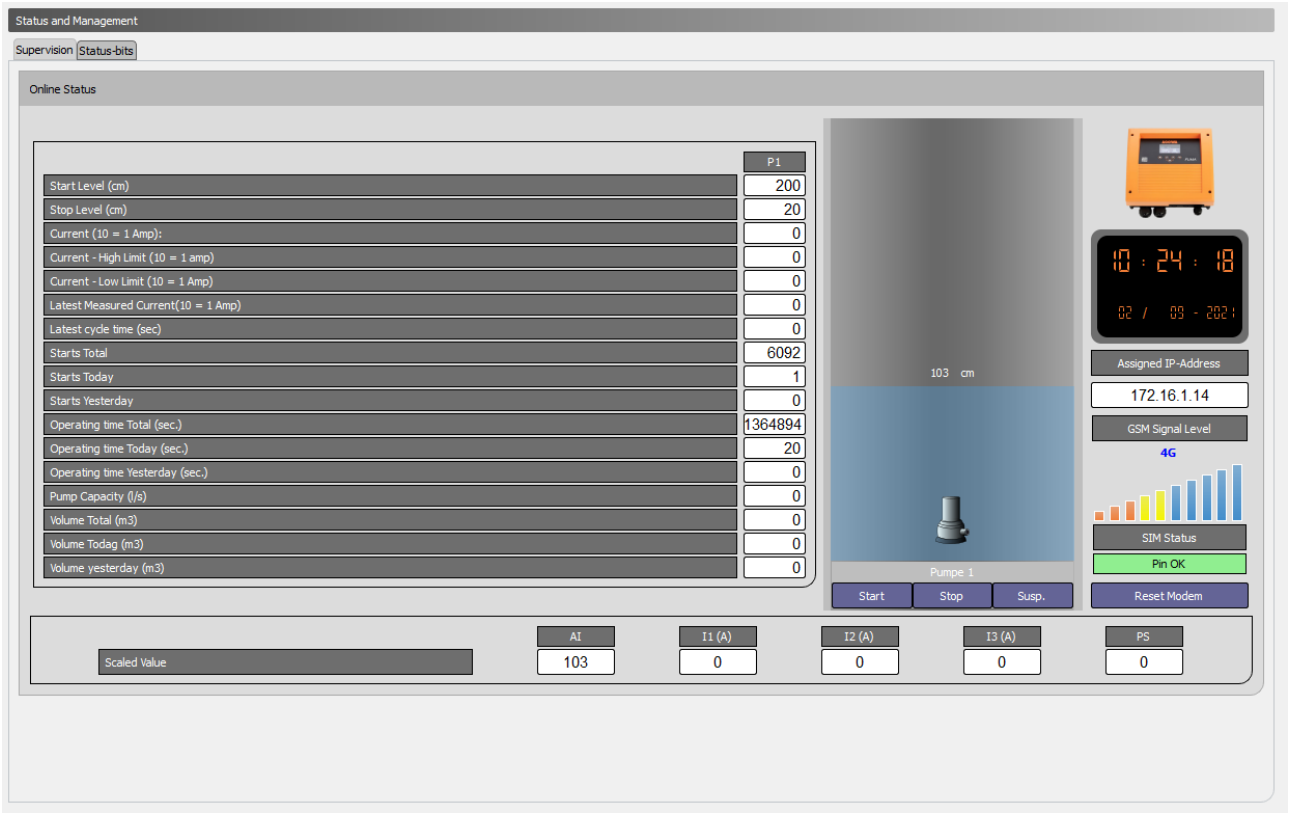

Input 3
Signal Label
1
Input 3 - function
Standard DI
DI Settings
Normally Open - Normally Closed
Normally Closed
Start-up time in seconds
1
Alarm call

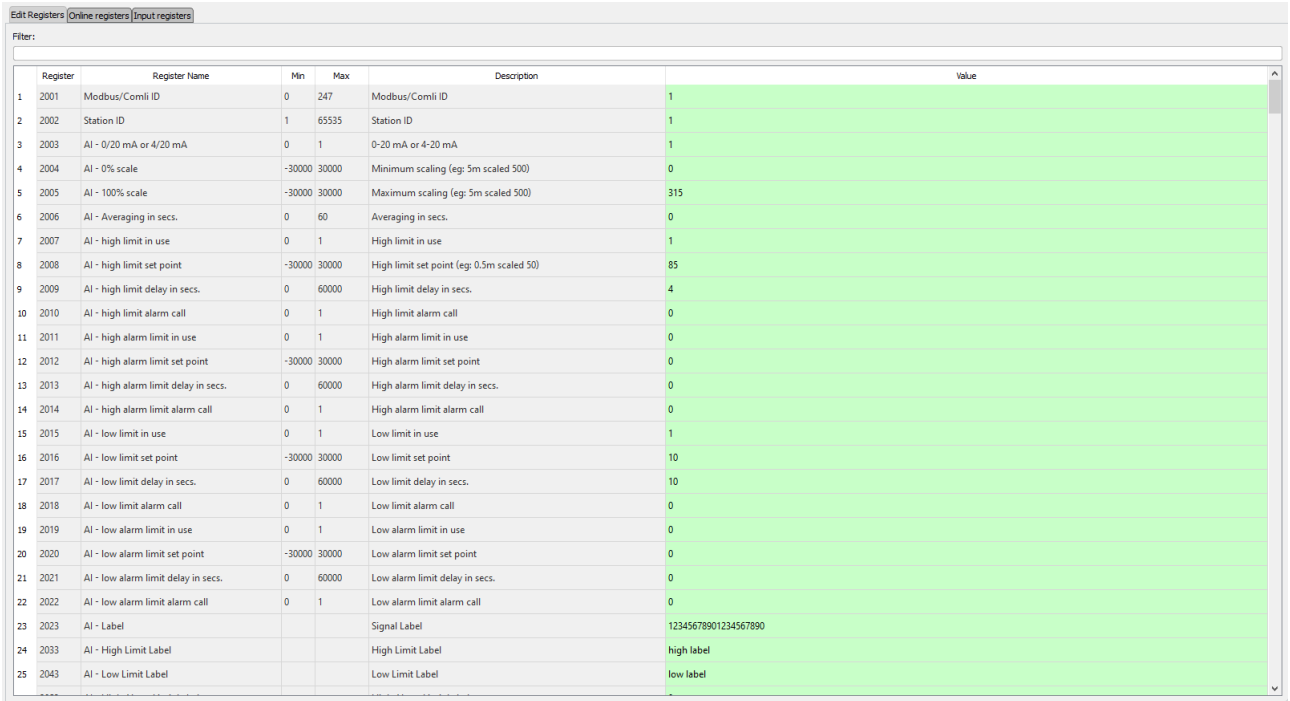

Input 4
Signal Label
Pulse input
Input 4 - function
Standard DI
DI Settings
Normally Open - Normally Closed
Normally Open
Start-up time in seconds
0
Alarm call
Pulse scaling
1

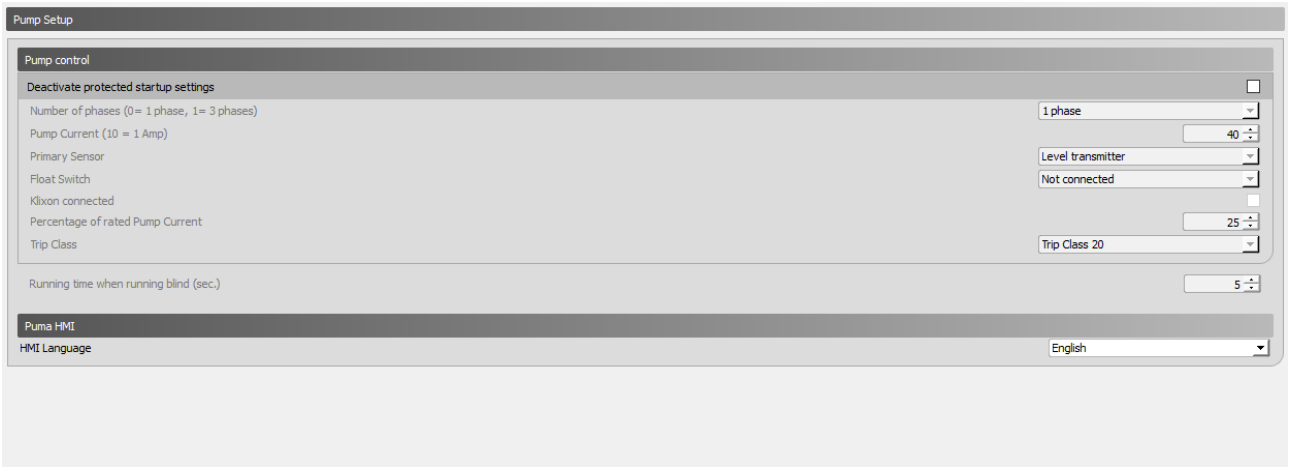

Advanced Settings
Reports and Alarms
Reverse Comm
Modem Setup
Daily SMS Status
Daily Status SMS in use
Receiver phone number
time of day (in hours)
23
Time of day for daily report
23
Alarms
Alarm 1
Alarm1 call Type
Not Used
Alarm1 phonenumber
Alarm1 Delay
60
Alarm 3
Alarm3 call Type
Not Used
Alarm3 phonenumber
Alarm3 Delay
60
Alarm 2
Alarm2 call Type
Not Used
Alarm2 phonenumber
Alarm2 Delay
60
Alarm 4
Alarm4 call Type
Not Used
Alarm4 phonenumber
Alarm4 Delay
60


Logs - Settings
Log interval in minutes
5
Call interval in minutes
720
Event Signal
Not Used
Event Log Interval in minutes
0
Event Call Interval in minutes
120

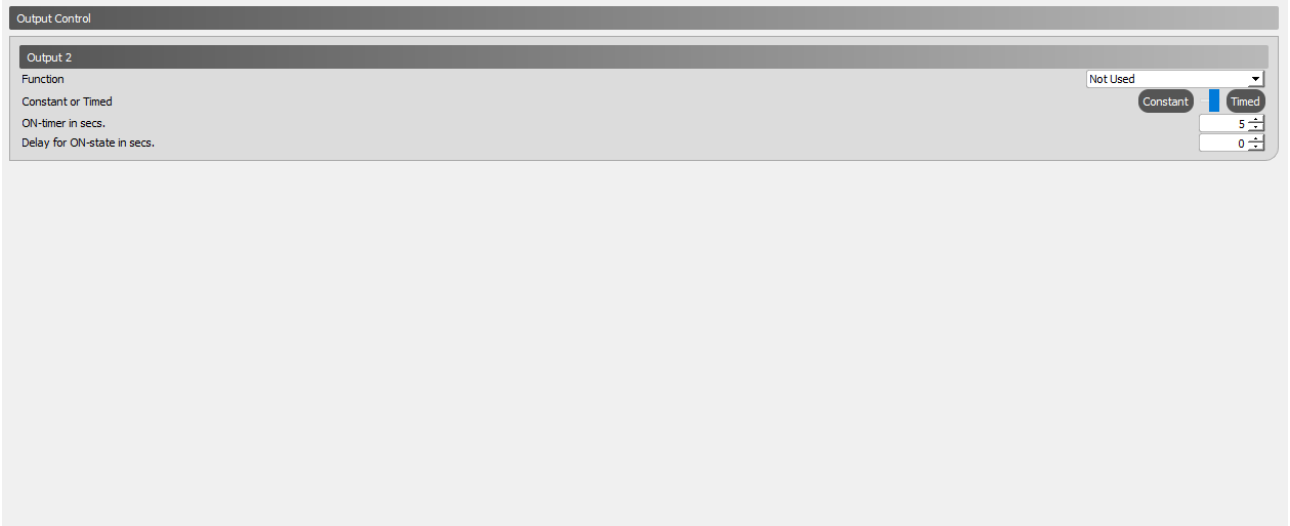
PUMA - Display window

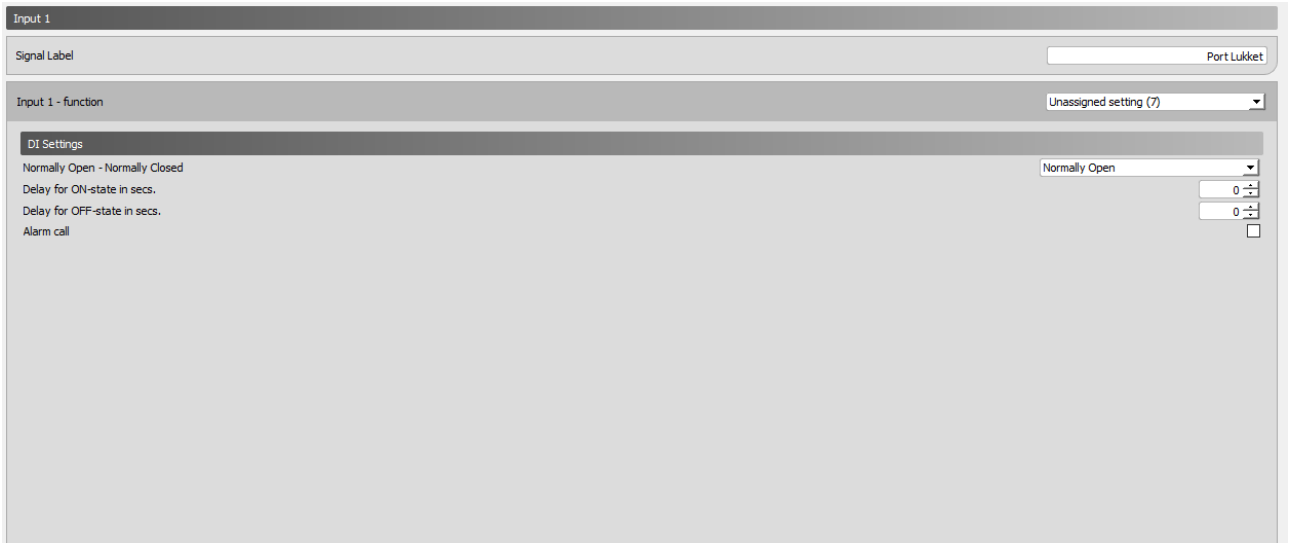


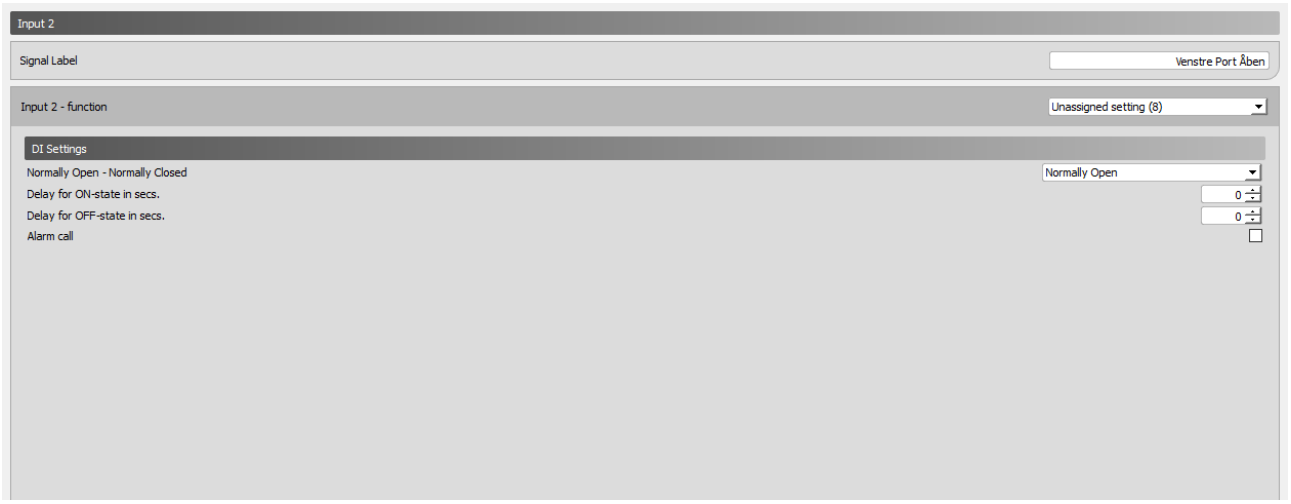


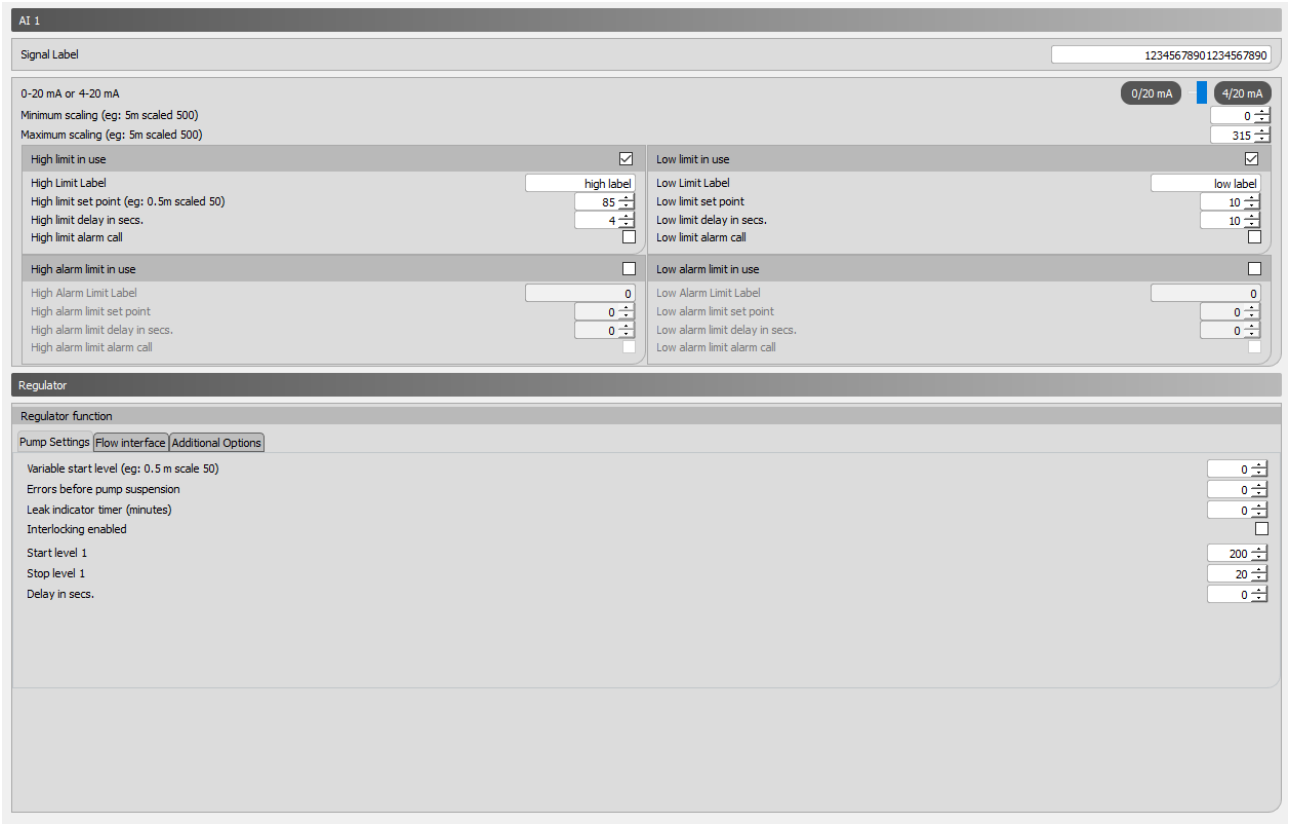

Pump Setup
Pump control
Deactivate protected startup settings
Number of phases (0= 1 phase, 1= 3 phases)
1 phase
Pump Current (10 = 1 Amp)
40
Primary Sensor
Level transmitter
Float Switch
Not connected
Klixon connected
Percentage of rated Pump Current
25
Trip Class
Trip Class 20
Running time when running blind (sec.)
5
Puma HMI
HMI Language
English

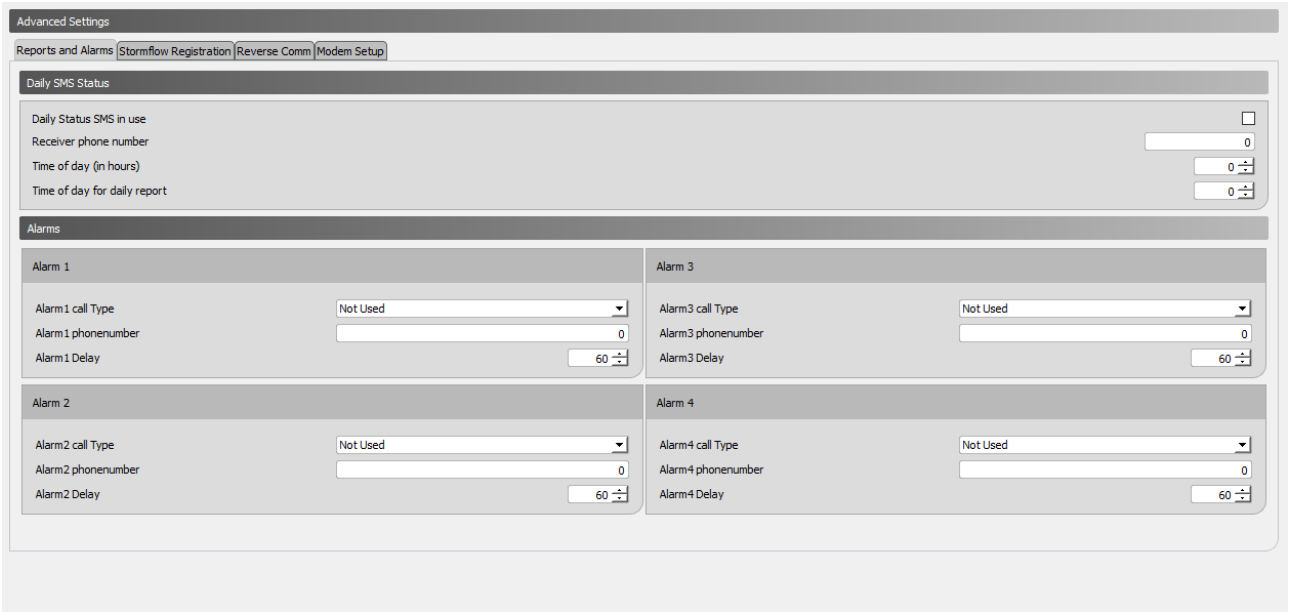

Output Control
Output 1
Function
Not Used
Constant or Timed
Constant
Timed
ON-timer in secs.
2
Delay for ON-state in secs.
10


Output Control
Output 2
Function
Not Used
Constant or Timed
Constant
Timed
ON-timer in secs.
5
Delay for ON-state in secs.
0


Input 1
Signal Label
Port Lukket
Input 1 - function
Unassigned setting (7)
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
0
Delay for OFF-state in secs.
0
Alarm call


Input 2
Signal Label
Venstre Port Åben
Input 2 - function
Unassigned setting (8)
DI Settings
Normally Open - Normally Closed
Normally Open
Delay for ON-state in secs.
0
Delay for OFF-state in secs.
0
Alarm call


AI 1
Signal Label
12345678901234567890
0-20 mA or 4-20 mA
0/20 mA
4/20 mA
Minimum scaling (eg: 5m scaled 500)
0
Maximum scaling (eg: 5m scaled 500)
315
High limit in use
High Limit Label
high label
High limit set point (eg: 0.5m scaled 50)
85
High limit delay in secs.
4
High limit alarm call
Low limit in use
Low Limit Label
low label
Low limit set point
10
Low limit delay in secs.
10
Low limit alarm call
High alarm limit in use
High Alarm Limit Label
0
High alarm limit set point
0
High alarm limit delay in secs.
0
High alarm limit alarm call
Low alarm limit in use
Low Alarm Limit Label
0
Low alarm limit set point
0
Low alarm limit delay in secs.
0
Low alarm limit alarm call
Regulator
Regulator function
Pump Settings
Flow interface
Additional Options
Variable start level (eg: 0.5 m scale 50)
0
Errors before pump suspension
0
Leak indicator timer (minutes)
0
Interlocking enabled
Start level 1
200
Stop level 1
20
Delay in secs.
0


Advanced Settings
Reports and Alarms
Stormflow Registration
Reverse Comm
Modem Setup
Daily SMS Status
Daily Status SMS in use
Receiver phone number
0
Time of day (in hours)
0
Time of day for daily report
0
Alarms
Alarm 1
Alarm1 call Type
Not Used
Alarm1 phonenumber
0
Alarm1 Delay
60
Alarm 3
Alarm3 call Type
Not Used
Alarm3 phonenumber
0
Alarm3 Delay
60
Alarm 2
Alarm2 call Type
Not Used
Alarm2 phonenumber
0
Alarm2 Delay
60
Alarm 4
Alarm4 call Type
Not Used
Alarm4 phonenumber
0
Alarm4 Delay
60