RDI

Range Data, Inc.

Congratulations on your new S2C device.

Proudly Made in USA by Veterans!

Welcome to the RDI *family!*

RDI's *S2C* is a mini SCADA (supervisory control and data acquisition) software that monitors your industrial processes and gathers data in real-time. This S2C reports all data alarms to you in Text/Email Messages and you can also print out the history reports in Excel or PDF reports.

S2C communicates with Wonderware SCADA.

RDI's S2C monitors up to 4 pumps and its selectable for the # of pumps you have!

Requires 120Vac
Up to 12 Input Ports *each timer removes 1 Input port
Up to 4 Run Timers Selectable
1 Relay to Control
Bluetooth Communication Connection
Operating temperature range is -40°F to 149°F (-40°C to 65°C)

<u>Specifications</u>

Power

 UL approved AC Line Power Supply is a Regulated Converter
• Wide input range 85-305Vac
• Operating Temperature Range: -40°C to +85°C (-40°F to 185°F)
• Ultra-high efficiency over entire load range
• No external components necessary
• International EMC compliant
• 140% Peak load capability

Dimensions

• Size / Dimension: 4.183" L x 3.551" W (106.25mm x 90.20mm)
• Height: 3.540" (89.92mm)
• Design: Plastic, ABS/PC Blend
• Color: Gray
• Weight :1.11 lb (503.49g)

Temperature Sensor

• Measures Temperatures from -40°C to +85°C (-40°F to 185°F)
• ±0.5°C Accuracy from -10°C to +85°C

Cellular

• USA: Verizon Wireless,
• Canada: All Wireless systems
• Includes VPN (virtual private network) Protection
• Contains FCC ID:RI7CE910-DUAL This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interferences, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Inputs

• Alarm Inputs 1-12 and Pump 1-2-3-4 Run Timers are 120Vac optically isolated inputs.
Note: Inputs completes a path to Neutral
• Circuits for safe protective separation against electrical shock according to safety class II (reinforced isolation): - for appl. Class I to IV at mains voltage ≤ 300 V - for appl. Class I to III at mains voltage ≤ 600 V

S2C 12-Inputs Alarm and Four Inputs of 4-20mA

4 Channels, Isolated Two-wire Operation, Power is obtained directly from the 4 to 20 mA loop (input impedance 10 ohms), with no need for separate power input.

Requires 120Vac
Input 4-20mA 4 Channels
Up to 12 Input Ports *each timer removes 1-Input port
Up to 4 Run Timers Selectable
1 Relay to Control
Bluetooth Communication Connection
Temperature Sensor -40°F to 149°F (-40°C to 65°C)

1-4
4-20mA
Inputs

The Inputs LEDs

1-4 Pump Run Timers
and
Alarm Inputs

5-12
Alarm Inputs
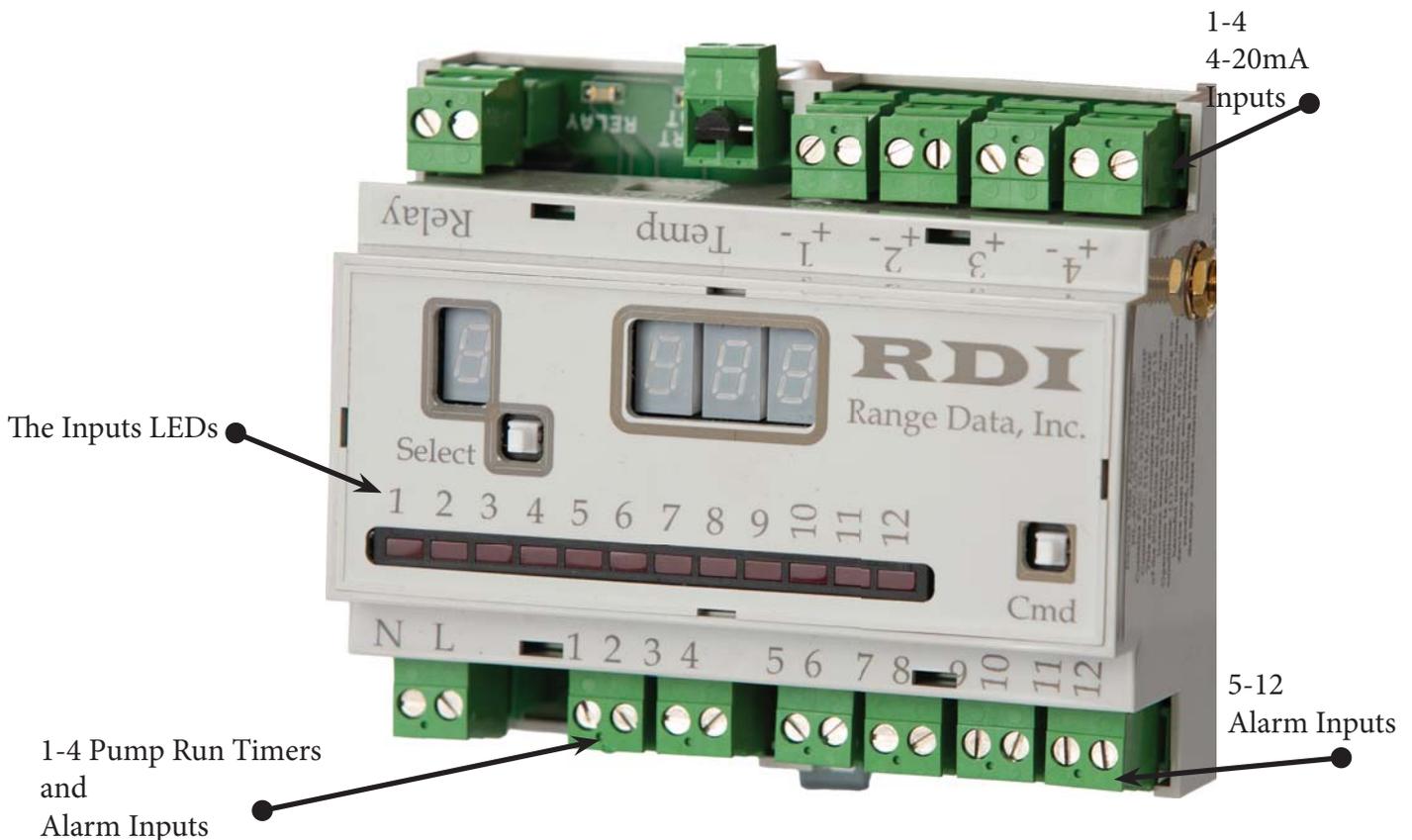
Models of S2C 4-20mA Model

S2C 4-20mA 4Channel Input Models: *(With or with out the Enclosure)*
1. (S2C-Din) Rail Mount. (No enclosure)
2. (S2C-4x) with Enclosure.

LED Display and Select Button Operation

1 button push gives the mA value of input 1 (Will display for 10 minutes)

2 button push gives the mA value of input 2 (Will display for 10 minutes)

3 button push gives the mA value of input 3 (Will display for 10 minutes)

4 button push gives the mA value of input 4 (Will display for 10 minutes)

5 button push gives the RSSI Value

6 button push gives the Real Time Clock in military time

7 button push gives the Temperature

8 button push gives Code Version

LED Display and Cmd Button Operation

1 Button Push Sends Data to Website(if modem is not registered it will display all zeros)

2 Reset

3 Relay ON

4 Relay OFF

5 Test LED Bar Lights

6 Get SIM number

7 IP Address

8 Status of Inputs 1-4 where 0 = pump run timer 1>= alarm input

9 Activate SIM (after 9 button presses unit will start counting down to zero, press Cmd key one time before zero count to enable SIM)"

10 Reset Blue Tooth Module

11 Program Name into Blue Tooth Module

12 De-Activate SIM (after 9 button presses, unit will start counting down to zero, press Cmd key one time before zero)

13 Program for MySiteVitals.com
14 Program for TankVitals.com

Ａ¡ Acknowledgement

F⃞ No Acknowledgement from Server

F8 Modem Failure

F9 Antenna Failure

84 Received Message from Server

PF- AC Power Failed (Will flash and all LED are lit

Power Up sequence

First 60 seconds it may display

Select Window: 1 2 3 4 5 6 7 8

Then Three LED Windows

Left LED: 0 1 2 3 4 5 6 7 8

Centrer LED: 0 1 2 3 4 5 6 7 8

Right LED: 0 1 2 3 4 5 6 7 8

Then the RED Alarm Input Bar will sequence from left to right.

Right LED: 9 8 7 6 5 4 3 21

Right LED: 0 1 2 3 4 5 6 7 8

Centrer LED: F9 (Checking Antenna Connection)

If F9 Flashes means no Antenna is connected or is damaged.

Centrer LED: -

Then from left to right it will sequence the - for 6 times

Then form left to right it will display 1 2 3 (Sending data to server)

If all is working it will display Ａ¡ (Acknowledgement sever received data) else it will display F⃞ *No Acknowledgement from Server (then call us)*

Optional Components

Tamper Proof Cellular Antenna
Mounts to Metal Enclosure

Selectable Current Sensors 30,
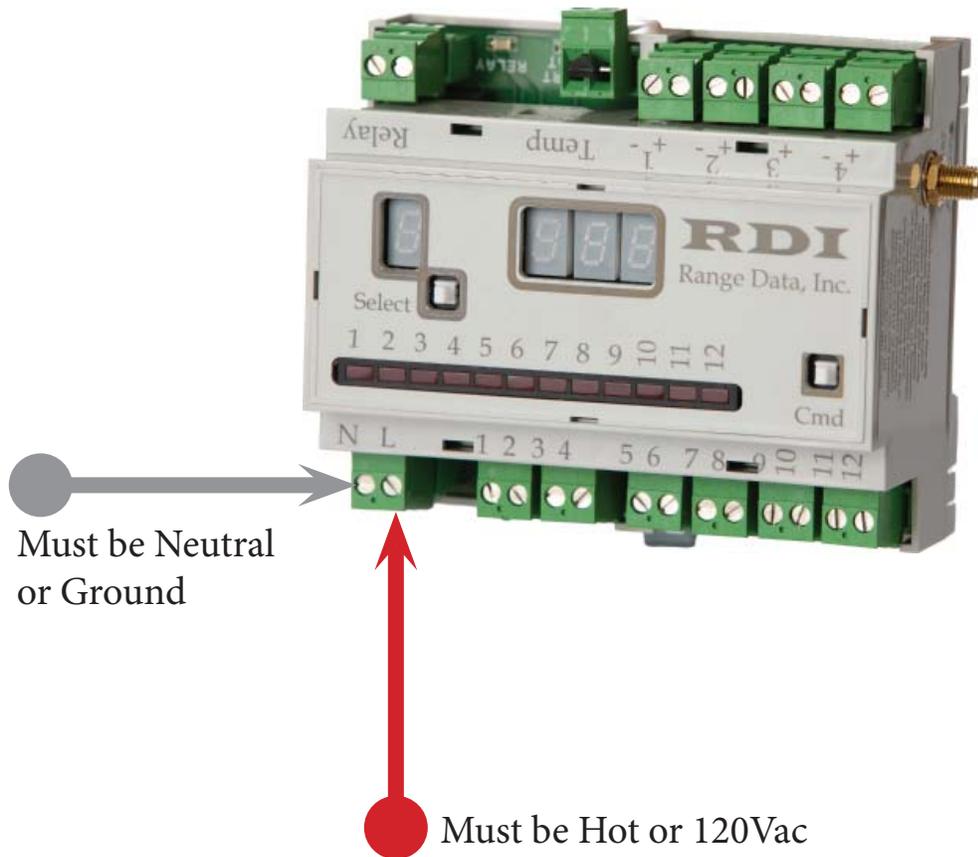60 or 100 Amp

24Vdc Power Supply
AC/DC DIN RAIL
SUPPLY 24V 10W

External Dimensions 12.60 x 10.60 x 5.22 in
Polycarbonate
NEMA Rating   1, 2, 3, 3R, 3RX, 3S, 3SX, 3X, 4, 4X, 5, 12, 13
Weight 4.95 lbs
Gasketed enclosure, latch, 4 mounting screws, and 4 cover
screw hole plugs
Flame Rating   UL94 5VA
UL & cUL File Number   E352997

Power Connection

Must be Neutral
or Ground

Must be Hot or 120Vac

No Cellular Signal

If for some reason the Cellular signal is lost due to service provider or antenna problem you can select the option in Modem setup to RSSI Watchdog and this will activate the relay if cellular signal is lost.
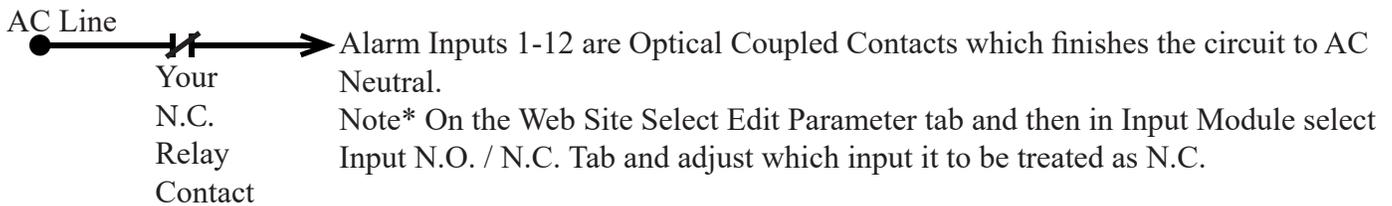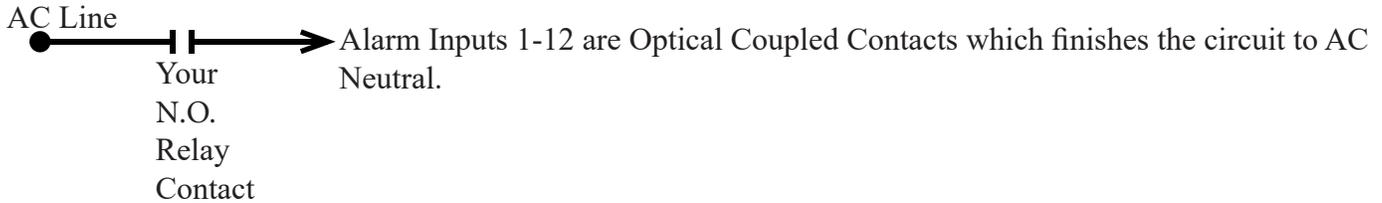
Your Red Light or Horn circuit
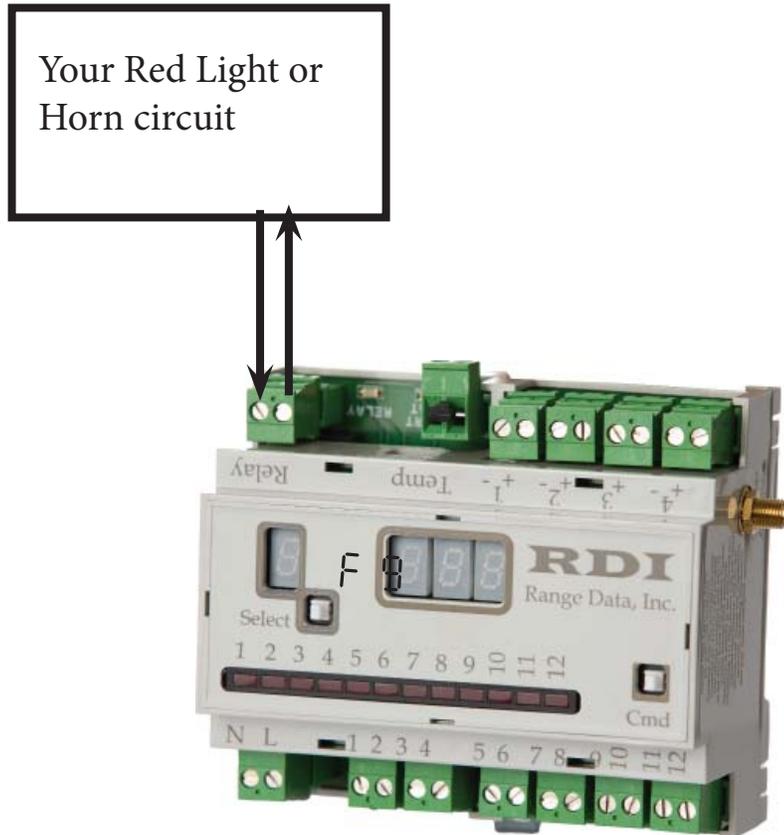
Display showing F9 Antenna Failure

Alarm and Pump Input accept the Hot Line wire from each of your devices.
Note*: If your device is a relay contact then supply the other half with the AC Line (Hot) to complete the circuit.

AC Line

Your
N.O.
Relay
Contact

Alarm Inputs 1-12 are Optical Coupled Contacts which finishes the circuit to AC Neutral.

AC Line

Your
N.C.
Relay
Contact

Alarm Inputs 1-12 are Optical Coupled Contacts which finishes the circuit to AC Neutral.

Note* On the Web Site Select Edit Parameter tab and then in Input Module select Input N.O. / N.C. Tab and adjust which input it to be treated as N.C.
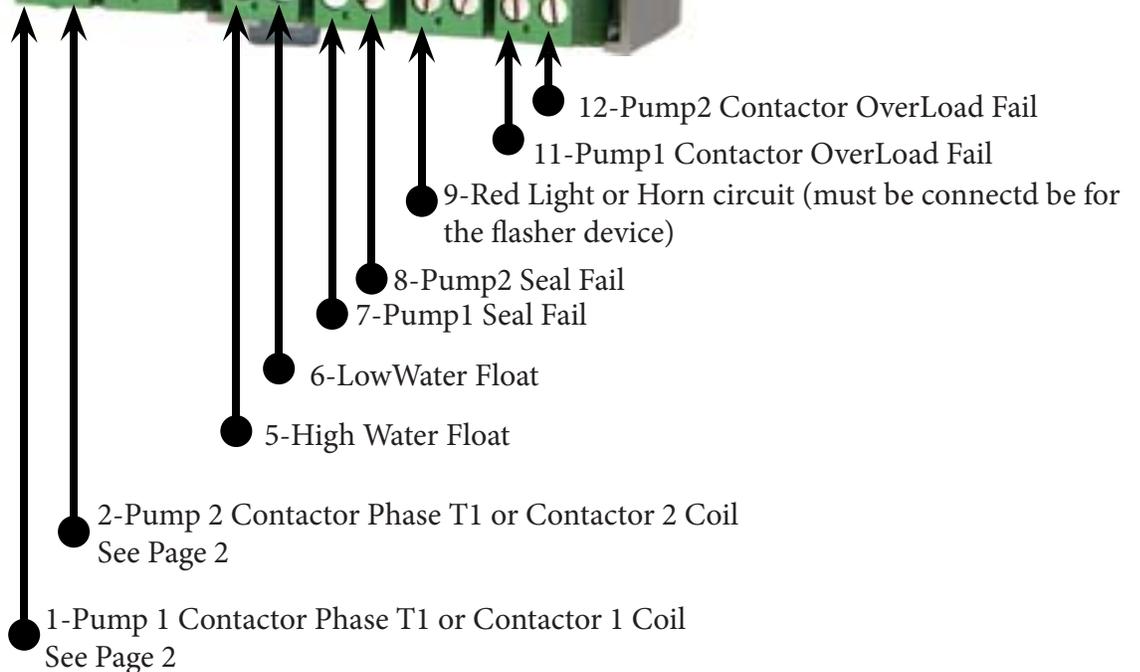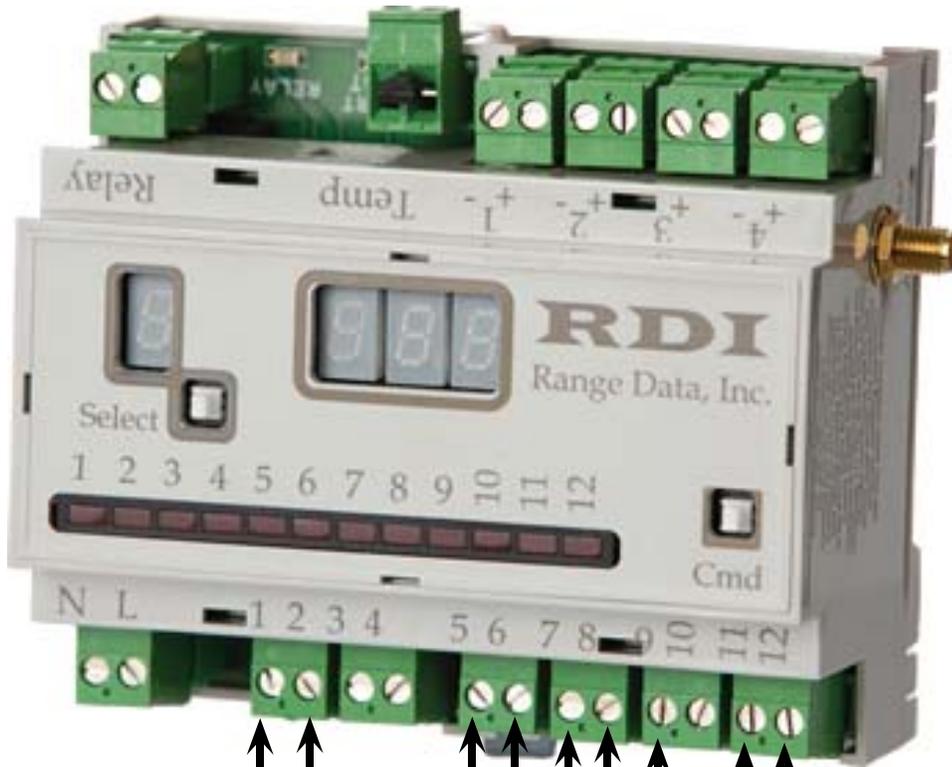
Typical Input connection to Input 12
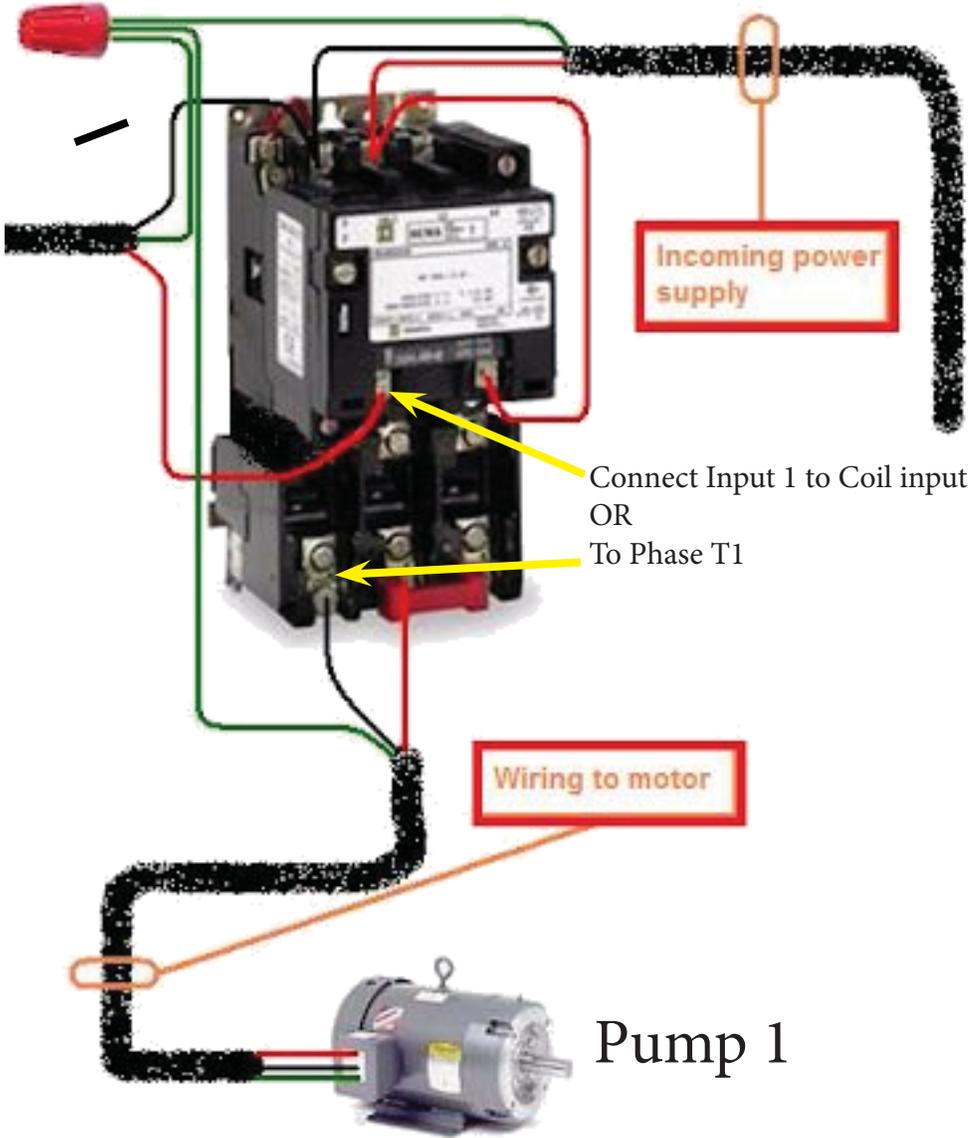If your test lamp lights up then our input 12 LED will also light up.

Input 1 connect to Pump 1 Motor Contactor or L1 of motor phase wire
Input 2 connect to Pump 2 Motor Contactor or L1 of motor phase wire
Input 3 connect to Pump 3 Motor Contactor or L1 of motor phase wire
Input 4 connect to Pump 4 Motor Contactor or L1 of motor phase wire

Input 5 to 12 Can be connected to other alarm monitoring points.
i.e. High Water Float, Low Water Float, Red Light/Horn, Pump Seal fails, Pump Overload Fail.

12-Pump2 Contactor OverLoad Fail

11-Pump1 Contactor OverLoad Fail

9-Red Light or Horn circuit (must be connectd be for the flasher device)

8-Pump2 Seal Fail

7-Pump1 Seal Fail

6-LowWater Float

5-High Water Float

2-Pump 2 Contactor Phase T1 or Contactor 2 Coil
See Page 2

1-Pump 1 Contactor Phase T1 or Contactor 1 Coil
See Page 2

Incoming power supply

Connect Input 1 to Coil input
OR
To Phase T1

Wiring to motor

Pump 1

UPS Battery Backup
Schneider Electric Back-
UPS 450 Standby UPS,
Black (BN450M)
Item #: 550-2259352
Model #: BN450M
Brand: APC

UPS 120Vac

AC
Outlet

Pump1
Input1

Pump2
Input2

Cut and Cap off Green& White Wire
Connect the 120Vac Black Hot Wire
to Input 5
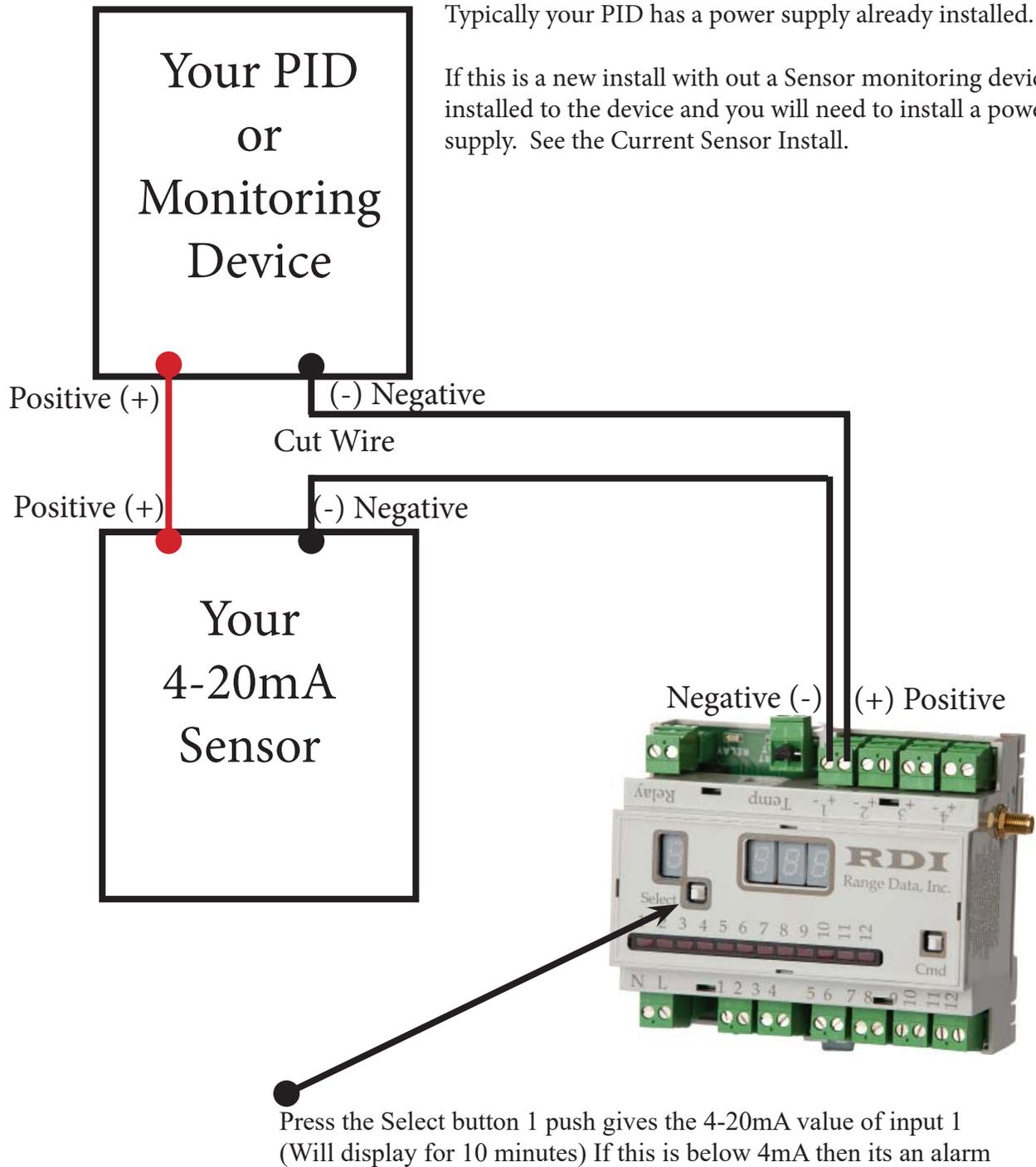
Select Input 5 to N.C. to invert the Power Fail alarm
in the Software Input Module setup.
When Power fails an alarm is sent via Your selection
(Phone, Text, Email)

Typically your PID has a power supply already installed.

If this is a new install with out a Sensor monitoring device installed to the device and you will need to install a power supply. See the Current Sensor Install.

Your PID
or
Monitoring
Device

Positive (+)   (-) Negative

Cut Wire

Positive (+)   (-) Negative

Your
4-20mA
Sensor

Negative (-)   (+) Positive

RDI
Range Data, Inc.

Press the Select button 1 push gives the 4-20mA value of input 1
(Will display for 10 minutes) If this is below 4mA then its an alarm

When entering the Phone number do not use dashes (-) just the number, for the zip code use the 5 digits .

Use View for users to view the information and Manager for those that need to make changes to the site.

FYI: This information is never shared or released to anyone.

Edit User windows is used to modify the user information.

Here you can turn on or off the messages to be sent.

Edit User [x]

Email	jack@rangedata.net
Contact Name	Jack Mihelich

Phone Number	7013314085	Password	*****

Address	114 Eastwood Dr

City	Grafton	State	ND
Postal Code	58237	Role	

☑ Send Email Msg

☑ Send Text Msg

☐ Send Voice Msg

Save **Delete**

DUAL9 Jack Office

Pump Run Reports	History	⋮

Edit Parameters
Button Push

AcPower: On
Temperature 76.1°F

Last Tx Time: Aug 26, 2024 11:26:09 PM "** Error **"

Pump Timers

Pump1: 508.99 Hrs.

Pump2: 68.83 Hrs.

All Alarm Notifications are: ⬤ ENABLED
Input-Alarm Status: No Alarms

Select Edit Parameters
to setup the S2C for
your site operation.

S2C BlueTooth 1

History	Edit Parameters	Button Push

AcPower: On
Temperature Probe is Missing

Last Tx Time: Aug 29, 2024 12:48:55 PM

Pump Timers

Pump1: 21.90 Hrs.

Pump2: 0.65 Hrs.

All Alarm Notifications are: ⬤ DISABLED
P2 Run Timer

Input-Alarm Status: A L A R M

Power or Hot of device
being monitored for Current

(+) Positive

(-) Negative

24Vdc Power Supply
Included with current
only

Connect Input 1 to AC Power or Hot of device being
monitored if this is a pump motor than use the wire
that runs the timer or motor contactor.
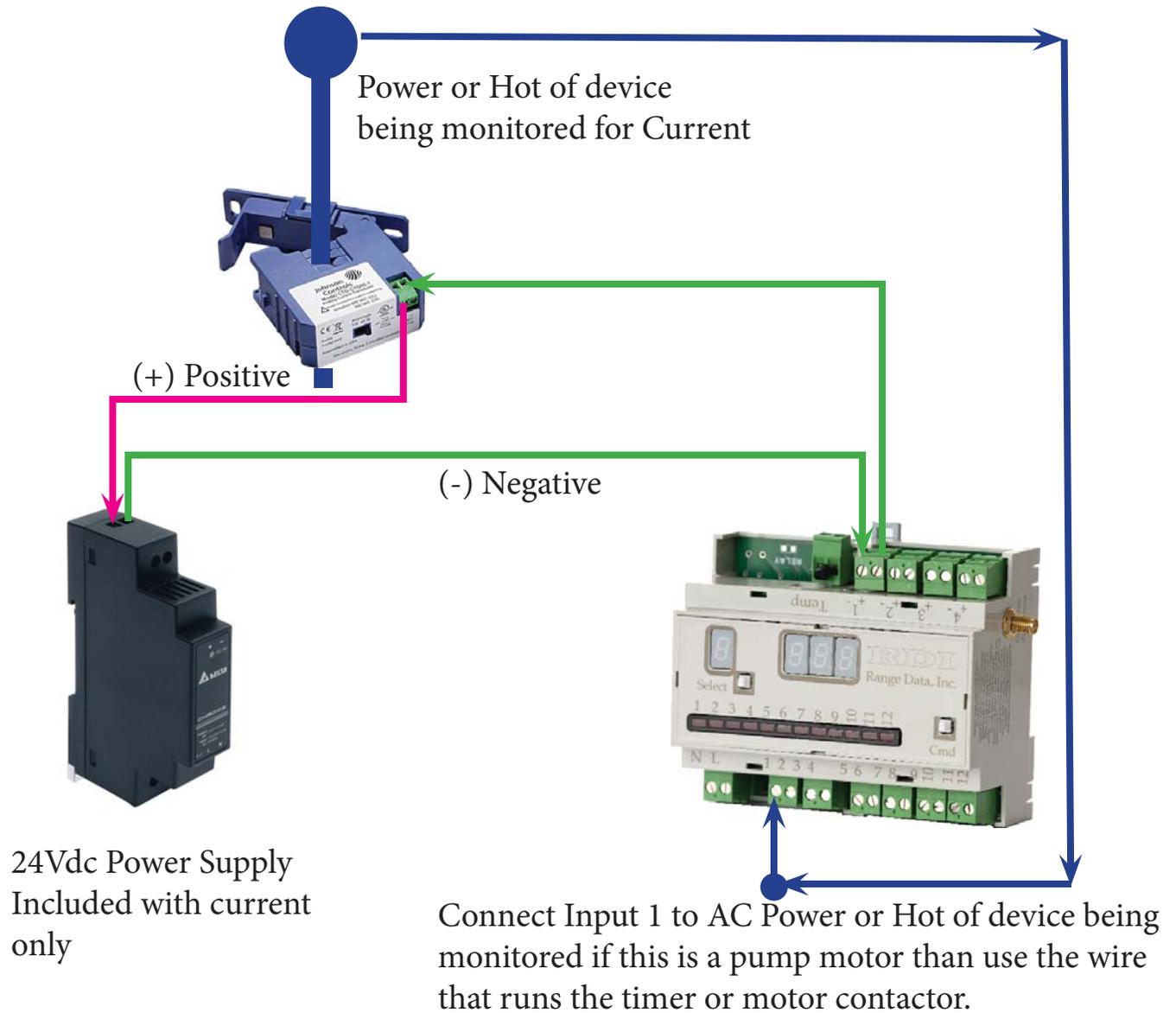
Press the Select button 1 push this gives the mA value of Input 1 (Will display for 10 minutes)

Sites Main Page

TankVitals

Hello, info@rangedata.net|Log out   About

Sites

Change/AddUser

Q&A

Show Demo

New feature: To monitor pump 1 & 2 for zero-time usage. Select Edit Parameters, under Input Module select Pumps Setup, select edit then enable Monitor Pump for zero time. This will only send an email.

Lift Station To The North

| Pump Run Reports | History | ⋮ |

AcPower: On
Temperature 74.5°F

Temperature Reports
Last Tx Time: Feb 13, 2024 12:01:54 PM "** Error **"

All Alarm Notifications are: ◯ ENABLED
Input-Alarm Status: No Alarms

Lift Station Down The Road

| Pump Run Reports | History | Edit Parameters |

AcPower: Off
Temperature 69.0°F

Last Tx Time: Mar 28, 2024 12:30:42 PM "** Error **"
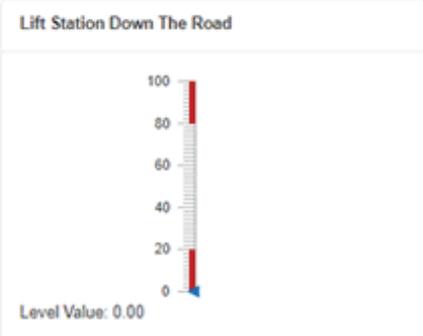
Pump Timers
Pump1: 0.95 Hrs.
Pump2: 0.34 Hrs.

All Alarm Notifications are: ◯ ENABLED
AC POWER OFF

Input-Alarm Status: A L A R M

Lift Station Down The Road

100
80
60
40
20
0

Level Value: 0.00

H-Alarm: 80.00
0.00 Feet
or 0.00mA
L-Alarm: 20

Update Data

Level +
mA-Alarm Status: A L A R M

Module Operation Main Screen

The Main Parameter Screen where you can adjust the behaviour of the S2C device.
The three main parts are
Modem, **Input**, and the **4-20mA** modules.

Lift Station Down The Road

Modem Module

Alarm: Disabled, Delay & Tx Time.   Relay Description   Temperature Alarm   Module Info

	Site Name	Disable ALL ALARMs	Disable Inputs Tx	Daily Tx Time.	Number of Updates per Day
Edit	Lift Station Down The Road	Enabled	Enabled	1/1/0001 12:00:00 AM	12 Hr or 2 Tx/Day

Setting "Disable Inputs Tx™" to Disable will turn off Cellular transmissions.

Send Modem Parameters

Input Module

Alarms Description   Enable/Disable Alarms   Alarm Delay Times   Input N.O. / N.C.   Pumps Setup   Pump 1 Timers   Pump 2 Timers   Info

	Run Timer1	Run Timer2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 11	Input 12
Edit	P1 Run Time	P2 Run Time	Hi Float	NA A4	NA A5	NA A6	NA A7	NA A8	NA A9	NA A10	NA A11	NA A12

Send Input Parameters

4-20 Miliamp Module

Relay Description & Module#   Enable/Disable Alarms   Well Pump Setup   Input 1 Setup   Input 2 Setup   Input 3 Setup   Input 4 Setup   Module Info

	Module Address	OneWire 4-20mA PIN
Edit	0	0

Send 4-20mA Parameters

Modem Module

| Alarm: Disabled, Delay & Tx Time. | Relay Description | Temperature Alarm | Module Info |

	Site Name	Disable ALL ALARMs	Disable Inputs Tx	Daily Tx Time.	Alarm Delay in Sec.	Number of Updates per Day
🖉 Edit	Tower Lakes Lift Station	Enabled	Enabled	1/1/0001 12:00:00 AM	5	12 Hr or 2 Tx/Day

Setting "Disable Inputs Tx"" to Disable will turn off Cellular transmissions.

The Alarm Delay is used to make sure the alarm is true and not chatter. This is a global setting applied to all alarm inputs. Range is 2sec. to 99sec.

There is nothing to gain by increasing the number of times the S2C transmit the data to the Web site. 12 Hr or 2Tx/Day is the best choice.

The system checks to see if the S2C has sent the last two transmissions have been sent, if not then and alarm email / text will be sent.

Send Modem Parameters

Disable all alarms will stop all alarms to be sent out. Use this when unit is being serviced. Disable Inputs will prevent Alarm Inputs 1-12 to stop sending out alarms.

Modem Module

| Alarm: Disabled, Delay & Tx Time. | Relay Description | Temperature Alarm | Module Info |

	Relay	Relay	RSSI WatchDog
🖉 Edit	NA Relay1	NA Relay2	False

Enter NA to Diable the relay

Send Modem Parameters

RSSI Watchdog will close the relay if cellular signal is lost

Modem Module

| Alarm: Disabled, Delay & Tx Time. | Relay Description | Temperature Alarm | Module Info |

	High Temp Alarm Set Point	Low Temp Alarm Set Point	Hysteresis for Temperature in Deg's
🖉 Edit	130	-5	1

The S2C operates within -40°F to 149°F. Anything above or below that range the S2C stops. It will start working automatically if the S2C is within the operating range.

Your Hysteresis is set at 1°F and your High Temp Alarm is set at 130°F. The High temperature Alarm with be sent to you at 131°F and a High temperature Reset Alarm will be sent at 129°F.

The Below temperature Alarm will be be sent to you at -6°F and a Low temperature Alarm Reset will be sent at -4°F.

When the hysteresis is to small, the output will chatter or send you a lot of alarms.

Send Modem Parameters

Modem Module

| Alarm: Disabled, Delay & Tx Time. | Relay Description | Temperature Alarm | Module Info |

Inputs Tx	Probe Count	DeviceId	Cellular Signal	Code Ver
Disabled	0	144	0	0

Cellular Signal Range 0-45, Higher the number the better, if below 3 you will need to add a directional antenna.

Send Modem Parameters

Input Module Operation

Input Module

	Run Timer1	Run Timer2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 11	Input 12
Edit	P1 Run Timer	P2 Run Timer	P1 Failed	P2 Failed	P1 Seal Fale	P1 Seal Fail	High Water	Low Water	Red Light	P1 O/L Fail	P2 O/L Fail	NA A12

Send Input Parameters

Set up your naming of the Inputs assigned to the S2C

Input Module

	P1 RunTi...	P2 RunTi...	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 11	Input 12
Edit	P1 RunTimer	P2 RunTimer	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Disabled

Send Input Parameters

If the input is over active or problem with the assigned alarm device you can prevent the alarm being sent out unit you have time to resolve the issues.

Input Module

	P1 RunTime	P2 RunTime	Alarm 3	Alarm 4	Alarm 5	Alarm 6	Alarm 7	Alarm 8	Alarm 9	Alarm 10	Alarm 11	Alarm 12
Edit	0	0	2	2	2	2	2	2	2	2	2	2

Set Delay time in seconds (Default is 2 sec.) for chatty float increase time to true float on condition. [Vales: 1 sec to 99 sec.] A zero "0" in the Alarm# will DISABLE the alarm. A zero in the Pump Run Time means Pump Timer

Send Input Parameters

Zero (0) is used for pump run timers. One (1) or greater is used for delay time in seconds before sending out an alarm. 2 seconds is the default. If you have a chatty float set the time until the float has a true alarm.

Input Module

	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 11	Input 12
Edit	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Open	Normally Closed

Send Input Parameters

Match your device operation if the relay is Normally Open (N.O.) or Normally Closed (N.C.)

Input Module

Alarms Description   Enable/Disable Alarms   Input N.O. / N.C.   **Pumps Setup**   Pump 1 Timers   Pump 2 Timers   Info

	Monitor Pump for zero time	Pump 1 Installed	Pump 2 Installed	Pump 3 Installed	Pump 4 Installed
A₊ >	Disabled	Installed	Installed	Not Installed	Not Installed

Send Input Parameters

Monitor Pump for zero time is used to watch for sequencing error If pump 1 or pump 2 has no run time for the day an email is sent out. "Pump # reported zero hours usage"

Input Module

Alarms Description   Enable/Disable Alarms   Input N.O. / N.C.   Pumps Setup   **Pump 1 Timers**   Pump 2 Timers   Info

	P-1 Meter Hours	P1 Todays Hrs	P1 GPMcal
A₊ >	0.00	0.00	0.00

Send Input Parameters

Input Module

Alarms Description   Enable/Disable Alarms   Input N.O. / N.C.   Pumps Setup   Pump 1 Timers   **Pump 2 Timers**   Info

	P-2 Meter Hours	P2 Todays Hrs	P2 GPMcal
A₊ >	0.00	0.00	0.00

Send Input Parameters

Adjust the meter hours to match what on the sites hour meters.
If know the pipe output calibration.

You can also enter the GPMcal for monthly reports if you enter the
P# GPMcal value

4-20 Miliamp Module

Relay Description & Module# | **Enable/Disable Alarms** | Well Pump Setup | Input 1 Setup | Input 2 Setup | Input 3 Setup | Input 4 Setup | Module Info

	Input 1	Input 2	Input 3	Input 4
✎ Edit	False	False	False	False

Send 4-20mA Parameters

Enable or disable inputs alarms when trouble shouting problems.

4-20 Miliamp Module

Relay Description & Module# | Enable/Disable Alarms | **Well Pump Setup** | Input 1 Setup | Input 2 Setup | Input 3 Setup | Input 4 Setup | Module Info

	High Water ...	Pump Off L...	Pump On L...	Low Water ...	Secondary ...	Water Level...	Chemical D...	Max mA Value	Min mA Value	Well Pump	Pump Contr...	mA Convers...
✎ Edit	0	0	0	0	0	0	0	0	0	False	False	0

Send 4-20mA Parameters

4-20 Miliamp Module

Relay Description & Module# | Enable/Disable Alarms | Well Pump Setup | **Input 1 Setup** | Input 2 Setup | Input 3 Setup | Input 4 Setup | Module Info

	Active Input 1	Input 1 Description	Unit of Measurem...	Alarm Delay Time	1.High Alarm	1.Low Alam	1.Hysteresis	1.Max Value	1.Zero Offset Value
✎ Edit	True	Level	Feet	0	80	20	0	100	0

For [# Zero Offset Value] Note: set 5.1 for ZeroPt value if using Current Monitor if using 50Amps Sensor or set 4.6 if using 20Amps Sensor.

For [# High Alarm] If the High alarm value is greater then the Max value then no alarm is set.

For [Unit of Measurement] Use (On/Off) for 4-20mA bool setting (a data type in computer science that represents two possible values, true or false) and set [Alarm Delay Time]

For [Unit of Measurement] Use (A) (cap) for current sensors

For [Input # Description] Use [NA] to disable the input.

Send 4-20mA Parameters

If the optional current sensor is used an offset value is needed for liner correction.
Enter 5.2 for 50Amp or 4.6 for 20Amp sensors.
If the High alarm values is greater the Max value then no alarm is set.
For Unit of Measurement enter On/Off for bool setting and set alarm delay time to 1or greater.
For current sensors use letter A (cap) in the description.
Use NA to disable the input.

Click on the drop down errow

The Drop Down Choices

Description

Amps

Pressure

#'s

Feet

PPM

Float Level

On/Off

Flow1

Flow2

Flow3

Flow4

4-20mA Module For Pressure

Setting Up *Pressure*:

Typical Water Tower setup

Max value is the current level reading in mA.

So if you have a level reading of 24.25 and a mA value at 11.9 then we can use this to set the Max Value

Given:
24.25 X 16= 388
11.9 -4 = 7.9 mA
388/7.9 = 49.11

49.11 is the Max. Value to enter into our system [1.Max Value].

4-20mA Module for Amps

(Where # is the input channel number)
Input#: Set to True or Checked marked. This will display the device on the web site.
Input#: Description: Give it the name you like to identify our pump or device name.
Unit of Measurement#: Select Amp.
#.High Alarm: Set this to the alarm when the current excess the maximum value.
#.Low Alarm: Set this to the alarm when the current is blow the minimum value.
#.Hysteresis: Level at zero.
#.Max Value: Set this to the switch value on the current sensor 30, 60 or 100.
#.Zero Offset Value: Level this at zero (0).
#. Alarm Delay: Set this from 2 seconds to 60 seconds for how ever long it takes to get a good alarm. Do not use 0 seconds (*this will disable the alarm*)

4-20mA Module for # (Pounds)

(Where # is the input channel number)

Input#: Set to True or Checked marked. This will display the device on the web site.

Input#: Description: Give it the name you like to identify our scale or device name.

Unit of Measurement#: Select #'s.

#.High Alarm: Set this to the alarm when the current excess the maximum value.

#.Low Alarm: Set this to the alarm when the current is blow the minimum value.

#.Hysteresis: Level at 5. This is a good starting point.

#.Max Value: Set this to the maximum value of your scale.

#.Zero Offset Value: Level this at zero (0).

#. Alarm Delay: Set this from 2 seconds to 999 seconds for how ever long it takes to get a good alarm. Do not use 0 seconds (*this will disable the alarm*)

4-20mA Module for # (On/Off)

(Where # is the input channel number)

Input#: Set to True or Checked marked. This will display the device on the web site.

Input#: Description: Telemetry Fail Alarm or Give it the name you like to identify the device name.

Unit of Measurement#: Select On/Off.

#.High Alarm: Set this value to 1.

#.Low Alarm: Set this value to 0.

#.Hysteresis: Level at 0.

#.Max Value: Set this value to 1.

#.Zero Offset value: set this to zero (0).

#. Alarm Delay: Set this from 90 seconds or however long it takes to get a good alarm. Do not use 0 seconds (*this will disable the alarm*)

4-20mA Module Flow Rate
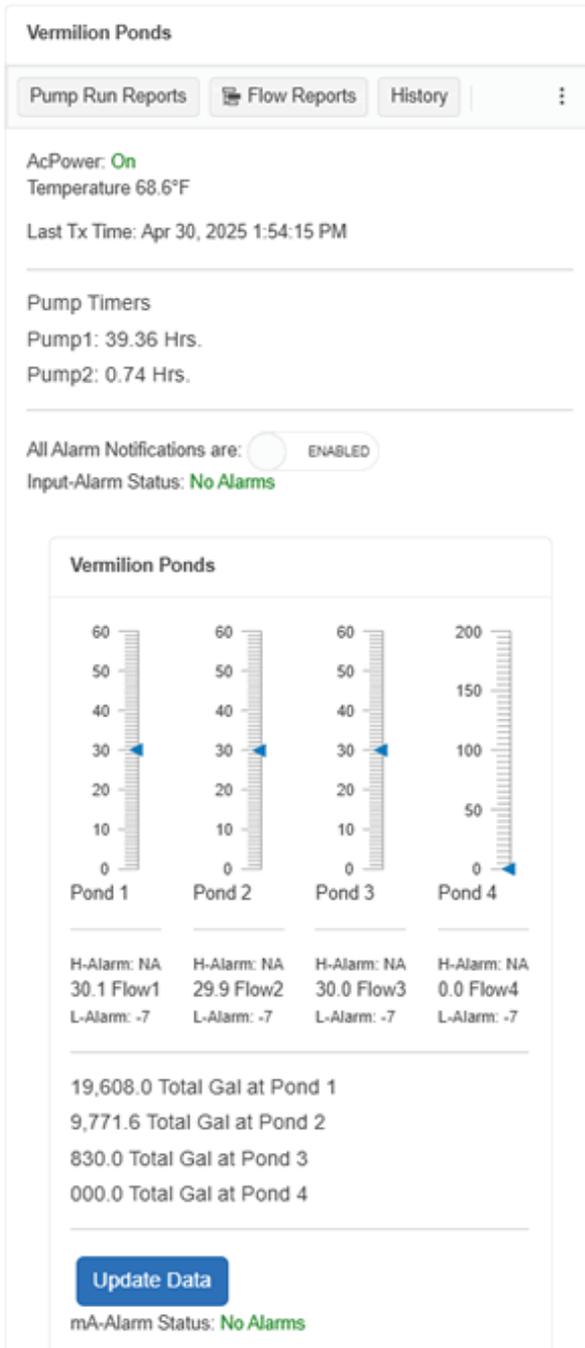
Total Gal is the current value since the Last Tx Time: located below the AcPower: and Temperature.

By default we automatically send up the data twice a day.

The last reading of the day is programmed in the Modem setup Daily Tx Time field.

Input 1 Setup

Set the [**1.Max Value**] to match your meter.

Active Input 1: Needs to be check marked to show up on web page.

Input 1 Description: Pond 1 (this can be set to your flow site name).

Unit of Measurement: Set to Flow1.

High Alarm is automatically set to 10 plus the 1.Max Value field.

Low Alarm is automatically set to -7.
Note: Alarms are not used for flow monitoring.
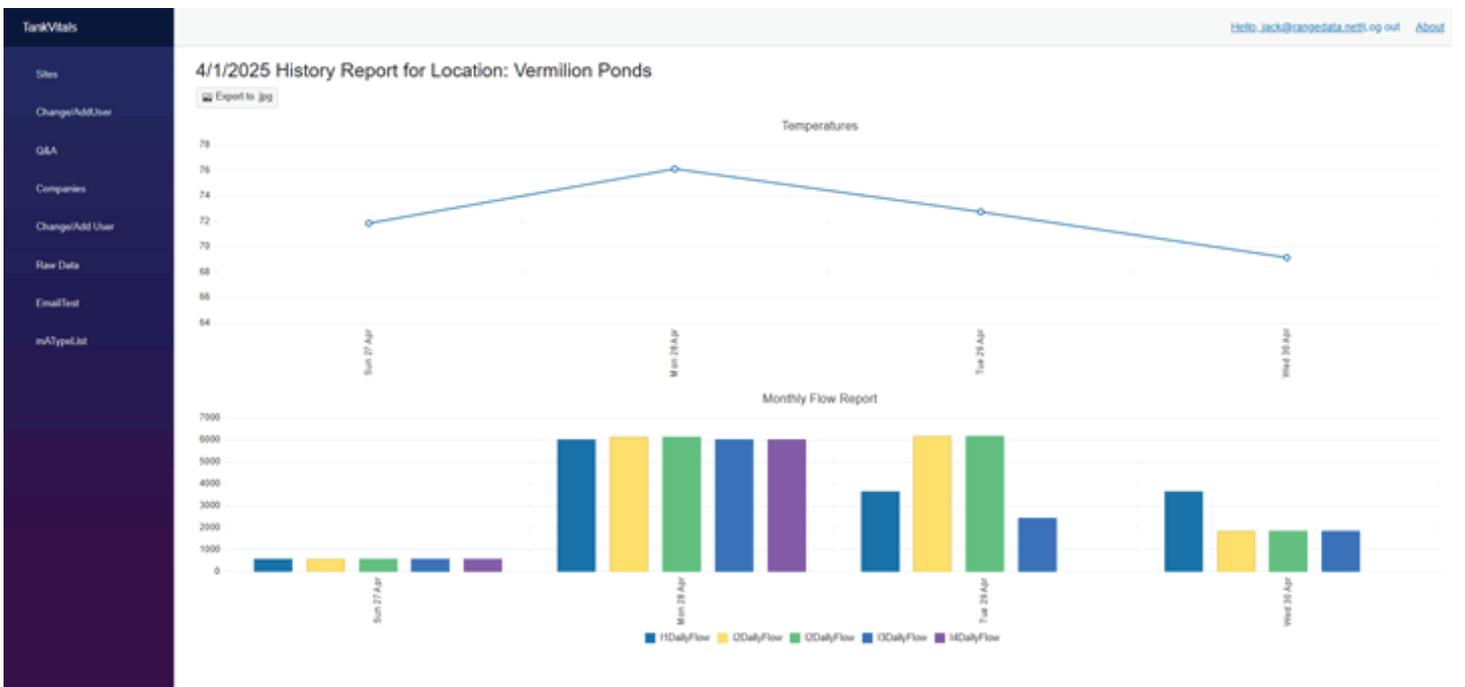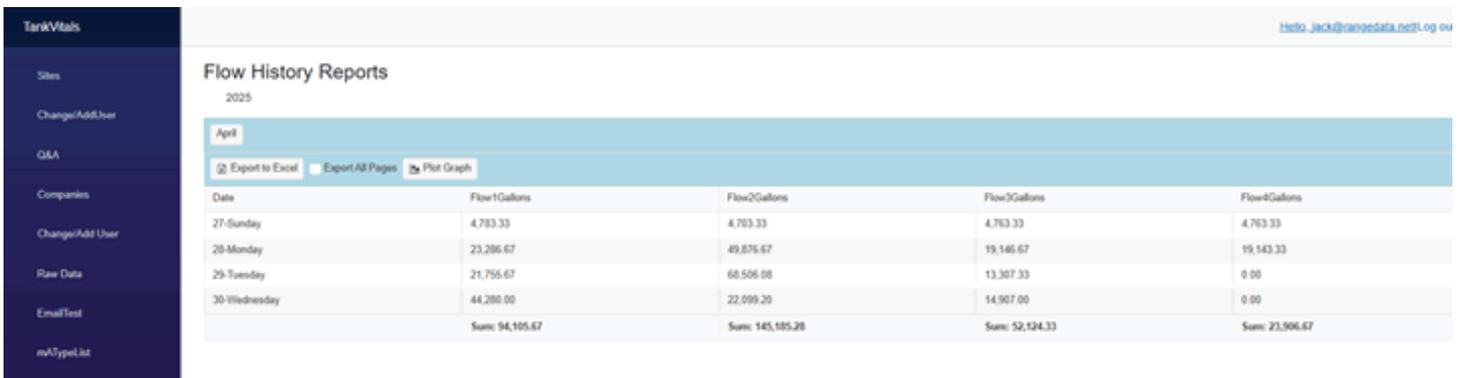
1.Zero Offset is automatically set to 0.

1.Alarm Delay is not used

Total Gallons can be changed to match the meter on site.

4-20mA Module Flow Rate Data

Click on Flow Reports Button

Select the month this will display the data.
Then select Plot Graph.

Select Your Data Month

You can export to excel

You can plot a graph

8/1/2024 History Reports for Loaction: Main Lift

Export to jpg
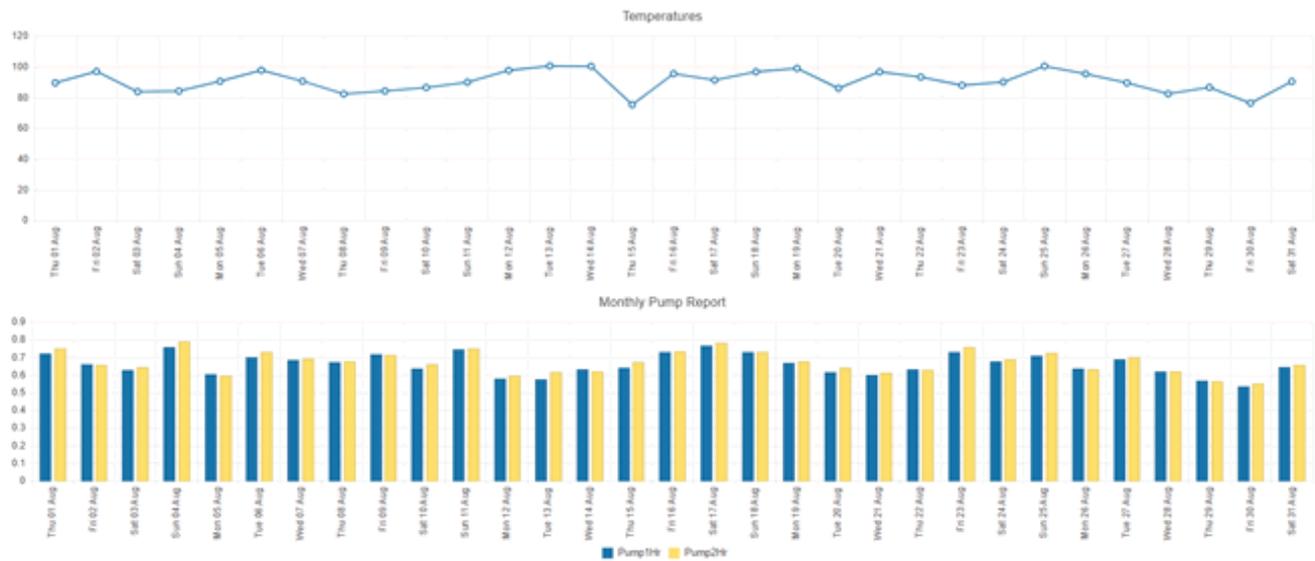
Excel Report

	A	B	C	D	E	F	G
1	Date	Pump1Hr	P1MGD	Pump2Hr	P2MGD	DayTotal	MGDtotal
2	08/01/2024 12:32:25 AM	1.33	0.03	1.37	0.04	2.70	0.06
3	08/02/2024 12:32:15 AM	1.20	0.03	1.24	0.03	2.44	0.06
4	08/03/2024 12:32:02 AM	1.25	0.03	1.26	0.03	2.51	0.06
5	08/04/2024 12:31:42 AM	1.48	0.03	1.53	0.04	3.02	0.07
6	08/05/2024 12:31:28 AM	1.19	0.02	1.18	0.03	2.38	0.06
7	08/06/2024 12:31:09 AM	1.29	0.03	1.30	0.03	2.59	0.06
8	08/07/2024 12:30:51 AM	1.21	0.03	1.26	0.03	2.47	0.06
9	08/08/2024 12:30:31 AM	1.20	0.03	1.20	0.03	2.40	0.06
10	08/09/2024 12:30:11 AM	1.41	0.03	1.43	0.04	2.84	0.07
11	08/10/2024 12:29:53 AM	1.17	0.02	1.19	0.03	2.36	0.06
12	08/11/2024 12:29:31 AM	1.26	0.03	1.27	0.03	2.53	0.06
13	08/12/2024 12:29:15 AM	1.09	0.02	1.11	0.03	2.19	0.05
14	08/13/2024 12:29:05 AM	1.13	0.02	1.18	0.03	2.31	0.05
15	08/14/2024 12:28:54 AM	1.16	0.02	1.13	0.03	2.29	0.05
16	08/15/2024 12:28:43 AM	1.25	0.03	1.27	0.03	2.52	0.06
17	08/16/2024 12:28:31 AM	1.29	0.03	1.34	0.04	2.63	0.06
18	08/17/2024 12:28:30 AM	1.45	0.03	1.46	0.04	2.91	0.07
19	08/18/2024 12:28:26 AM	1.30	0.03	1.30	0.03	2.60	0.06
20	08/19/2024 12:28:16 AM	1.27	0.03	1.29	0.03	2.57	0.06
21	08/20/2024 12:28:03 AM	1.23	0.03	1.28	0.03	2.50	0.06
22	08/21/2024 12:27:40 AM	1.18	0.02	1.20	0.03	2.37	0.06
23	08/22/2024 12:27:29 AM	1.20	0.03	1.19	0.03	2.39	0.06
24	08/23/2024 12:27:14 AM	1.29	0.03	1.33	0.04	2.62	0.06
25	08/24/2024 12:27:03 AM	1.25	0.03	1.29	0.03	2.54	0.06
26	08/25/2024 12:26:58 AM	1.41	0.03	1.43	0.04	2.85	0.07
27	08/26/2024 12:26:55 AM	1.27	0.03	1.25	0.03	2.52	0.06
28	08/27/2024 12:26:51 AM	1.29	0.03	1.32	0.03	2.61	0.06
29	08/28/2024 12:26:45 AM	1.20	0.03	1.20	0.03	2.40	0.06
30	08/29/2024 12:26:28 AM	1.09	0.02	1.08	0.03	2.17	0.05
31	08/30/2024 12:26:14 AM	1.05	0.02	1.07	0.03	2.12	0.05
32	08/31/2024 12:26:00 AM	1.18	0.02	1.19	0.03	2.38	0.06
33		Sum: 38.57	Sum: 0.81	Sum: 39.15	Sum: 1.036	Sum: 77.72	Sum: 1.84
34							

We need the designated person information .
Email and Cellular number.
Also need a shipping to address in case we need to ship repair equipment and the Yearly Billing Address

Purchase Order number: _____

Company Name: _____

Email Address: _____

Cell Phone #: _____ (i.e.. 701-352-4696)

Billing Address: _____ (Yearly Fee)

Shipping Address: _____

City: _____ State:_____

Zip Code: _____-_____

Data Information for this S2C device SIM:

8914800000_____ IP: 10.73.13____.____

FYI: This information is never shared or released to anyone. Thanks!

Send this information to service@rangedata.net

S2C Alarm Input Identification Model/Schematic #

Alarm Input Channel

1: _____or Pump 1 Run Timer

2:_____ or Pump 2 Run Timer

3: _____or Pump 3 Run Timer

4: _____or Pump 4 Run Timer

5: _____

6: _____

7: _____

8: _____

9: _____

10: _____

11: _____

12: _____

4-20mA-1: _____

4-20mA-2: _____

4-20mA-3: _____

4-20mA-4: _____

Your Cellular Alarm Monitoring Experts

Output Custom APIs Alarms to Wonderware (push method) SCADA system
Easy Installation
Includes VPN (Virtual Private Network)
Internally DIN mount or Externally NEAM-4x

Simpler, Faster and Smarter
Cellular System for your Location

Lifetime Warranty
Proudly Made in the USA