



# INNOVATIVE MONITORING SOLUTIONS

## DataNet Wireless System

For the Rhode Island Department of Health

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[www.fourtec.com](http://www.fourtec.com)





# DataNet Wireless System

- Welcome to the DataNet Wireless System, supported by the DataSuite data analysis software.
- Your DataNet system has already been installed and configured by RI Dept. of Health IT specialists, and is ready for use.
- This Guide will help familiarize you with the basic parts, the system functionality, and provide tools to troubleshoot the system.
- For a more detailed understanding of the many features on offer, please refer to the DataSuite User Guide, available via the software main menu (go to **Help > User Guide**).

***LET'S BEGIN!***



# Know the parts

The DataNet Wireless System has 3 or 4 components:

- The Receiver (DNR900 – DataNet Repeater)
- The logger/s with 1 or 2 external sensors (DNL910 – DataNet Logger)
- Some installations may also include a min Repeater (DNR800 – Mini Repeater)
- The DataSuite data analysis software.

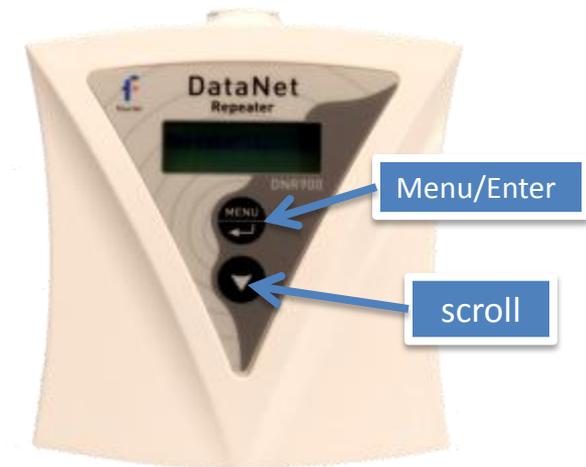
In the next few slides you will find a short explanation of each, please review, and familiarize yourself with them.



# The Receiver

- The Receiver DNR900 acts as a bridge between the DataNet network and the PC
- It is connected to the PC via a Mini-USB cable and is used to create the network that the data loggers are connected to.
- The Receiver is externally powered, but also includes a rechargeable battery for 3 hour back-up (in case the external power fails).
- When the Receiver is on and detected by the DataSuite Software, the screen will show the name of the network, and the network ID.
- The Receiver has 2 buttons, the Menu/Enter button, and the scroll button.
- For full LCD menu items and actions refer to chapter 4.14 of the DataSuite User guide.

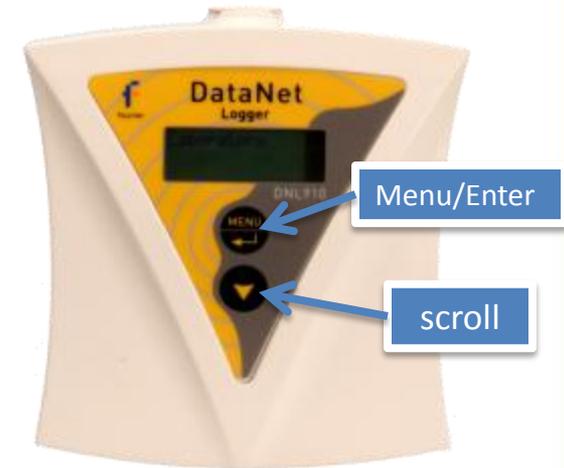
Receiver/Repeater with LCD



# The Logger and the Sensor

- The Logger DNL910 is a wireless data logger with internal Temperature sensor and with four external sensor inputs.
- The logger's Memory Capacity is approximately 59,000 samples
- The external PT100 sensor is able to measure from  $-328^{\circ}$  to  $752^{\circ}$  Fahrenheit
- When logger is running, the screen will show the name of the logger and "Logger Running". Alternately, the screen may show the sensor input # and the value of the last logged sample.
- The logger has 2 buttons, the Menu/Enter button, and the scroll button.
- For full LCD menu items and actions refer to chapter 4.12 of the DataSuite User guide.

Data Logger



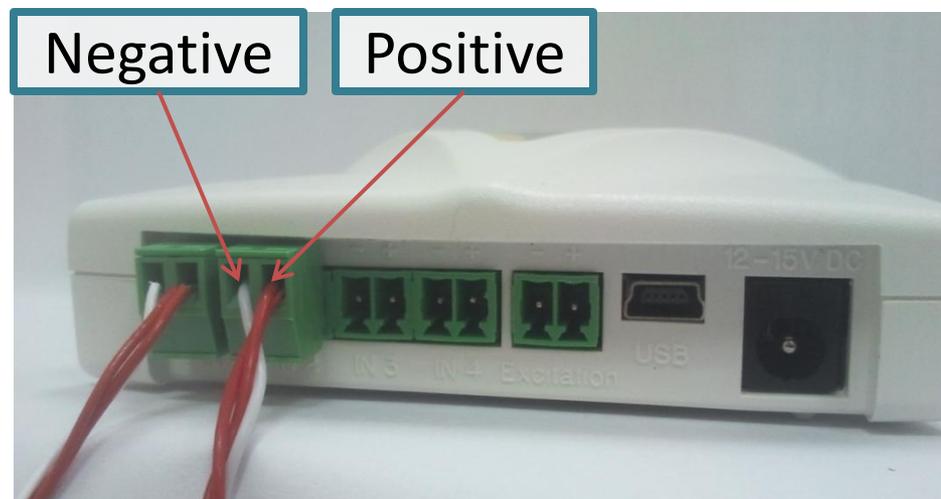
PT100 sensor



# The Logger and the Sensor (2)

- In this project, one or two PT100 Temperature sensors will be connected to the logger.
- One will be placed inside a freezer and the other will be placed inside a refrigerator.
- All installations will have the Fridge sensor in input 1, and the Freezer in input 2.
- Both red wires should be connected to the positive polarity and the white wire connected to the negative polarity of the connector.

## The sensor connections to the logger:



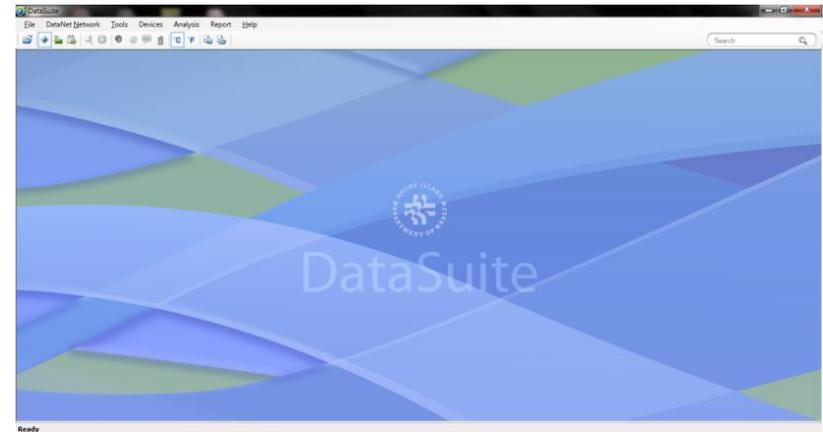
# DNL800 – Mini Repeater

- Some installations may include a Repeater, this is used to enhance the wireless signal.
- This unit will work as a wireless bridge between the logger/s and the Receiver.
- The Repeater has a single button, and a LED indicator.
- The Repeater works only when connected to the AC, and does not have a battery backup.
- For full menu items and actions refer to chapter 4.13.2 of the DataSuite User guide.



# DataSuite Software

- 1) The DataSuite Software is used to analyze the Data sent by the logger, and present, create, and send predefined parameters such as the daily\weekly\monthly reports.
- 2) DataSuite will already be running, and minimized to the Windows<sup>®</sup> system tray. To open the software, click the DataSuite icon  in the system tray (generally, in the lower right corner of your screen).
- 3) If the DataSuite Software is not open for any reason, double click on the DataSuite icon on your desktop to open it, or go to Fourtec > Datasuite in the windows start menu.
- 4) The DataSuite Software must remain on in order to download the data recorded by the loggers, and generate the reports and alarm notifications. **This requires the computer user to remain logged in (computer can be locked, but not logged out).**



# DataSuite with the DataNet Network

The DataSuite Software “**Map View**” allows the user to view the status of the DataNet network and loggers. Verify that you are in the DataSuite map view.



**The icons on the map view provide basic information on the type of unit, and it's status. The main icons you will see are:**



Receiver is Online.



Receiver is Offline (all loggers will be offline as well in this state)



Logger is Online, running, with no Alarm (Readings are OK), red Lightning means that the unit is connected to the power adapter. If red lightening bolt is not showing (only battery indicator), you must check the power cord, as logger should always be running connected to the AC.



Logger is Online running, with alarm active, red Lightning means that the unit is connected to the power adapter.



Logger is Online, in Stop mode (not running).

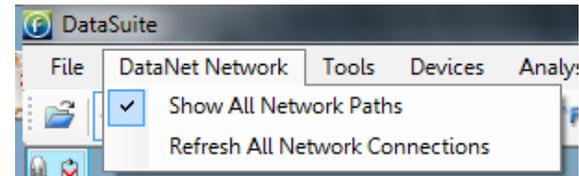


Logger is Offline.



# DataSuite with the DataNet Network (2)

An additional tool that can be used to determine if the network is up, and the loggers are connected to the Receiver, is the “**Network Path**”. This tool will show the path of the connection from the end unit to the Receiver if it is online, and the strength of the signal (reference of color code can be found on the bottom right of the screen). This can be activated in the DataNet Network menu, by clicking on “Show All Network Paths”.



The result will look like this:



# DataSuite with the DataNet Network (3)

**Icon Tooltip:** When scrolling the mouse cursor over any of the Icons, a box will open providing information regarding the unit.

	Offline	Online	Online + Running
DNR900 - Receiver	 <p>Network Name: Fourtec Network ID: 22.26.233 Receiver DNR900 Serial Number: 701613 Offline</p>	 <p>Network Name: Fourtec Network ID: 22.26.233 Receiver DNR900 Serial Number: 701613 Version: 3.1.3.01</p>	
DNL910 - Logger	 <p>Network Name: Fourtec Network ID: 22.26.233 Logger DNL910 Serial Number: 815286 Fourtec Offline</p>	 <p>Network Name: Fourtec Network ID: 22.26.233 Logger DNL910 Serial Number: 815286 Fourtec Connected to AC (charging) Reception Quality: 91% Version: 3.4.3.02</p>	 <p>Network Name: Fourtec Network ID: 22.26.233 Logger DNL910 Serial Number: 815286 Fourtec Connected to AC (charging) Reception Quality: 90% Version: 3.4.3.02 Last Sample Time: 10-09-14 19:36:20 Input 1 - Fridge: 25.30°C Input 2 - Freezer: 26.49°C</p>



# DataSuite with the DataNet Network (4)

## The Receiver icon tooltip includes:

- **Network Name:** The name given to the network, normally set to site name, can be setup in Receiver Setup. The name will not change if Network ID is changed.
- **Network ID:** Network channel and sub channels, used to identify correct network to connect loggers to.
- **Unit type:** Unit mode and type, for example, DNR900 is type, but can be a repeater or a receiver.
- **Serial Number:** The unique number set for any unit.
- **Version:** Firmware version that is currently running on the unit. Version is last 2 numbers of the 4 (3.1.2.46 – is Firmware 2.46). *This will only appear if Receiver is online, if Receiver is offline “Offline” will appear instead.*



# DataSuite with the DataNet Network (5)

## The Logger icon tooltip includes:

- **Network Name:** The name given to the network, normally set to site name, can be setup in Receiver Setup. The name will not change if Network ID is changed.
- **Network ID:** Network channel and sub channels, used to identify correct network to connect loggers to.
- **Unit type:** Unit mode and type, for example, DNR900 is type, but can be a repeater or a receiver.
- **Serial Number:** The unique number set for any unit.
- **Comment – unit name:** Comment given to each unit in the unit setup, will also appear on the unit LCD (screen).
- **Connected to AC (Charging/Fully Charged)/ Battery level xx %:** *Will only appear if logger is online* - Indicates power status (if logger is in charging mode, readings may increase).
- **Reception Quality xx %:** *Will only appear if logger is online* – indicates Strength of RF signal between logger and Receiver.
- **Version:** Firmware version that is currently running on the unit. Version is last 2 numbers of the 4 (3.1.2.35 – is Firmware 2.35). This will only appear if Receiver is online, if Receiver is offline “Offline” will appear instead.

## If logger is running and online, the following will also appear:

- **Last sample time:** Date and time of last sample that was downloaded (should match current time of computer).
- **Sensor values:** All active sensor values are displayed, including sensor name and alarm status (will be the sample downloaded at the time of “ Last Sample Time”.



# Troubleshooting

After you have familiarized yourself with the different elements of the DataNet Wireless Network, and the DataSuite Software, if you encounter any issues, you may try the following steps:

1. Physical layer – Determine that all physical parts are working; this includes verifying that the receiver is on and connected to the computer via a USB cable, verifying that the logger is on (should be running) and that the sensors are connected correctly, and verifying that the DataSuite software is running.
2. Communication Layer – Determine if the Receiver is detected by the DataSuite Software, and if the logger is on the Network belonging to the Receiver.
3. Logger setup\run – Determine that the logger has the correct setup, and is in fact running.
4. Software setup – Determine that the DataSuite Software has the correct general, contacts, notifications, and reports setup.

**Please refer to the following slides to verify the above steps**



# Physical layer

1. Check that the Receiver has the power adapter connected, and adapter is plugged in to an outlet.
2. Check that the Receiver has the USB Cable connected, and that the other side is plugged in to the computer.
3. Press the scroll button to turn on the unit, if it is turned off, or to verify that there is a change of the characters on the screen.
  - If screen will not turn on, double check that computer is on, and that the power adapter is warm (indicates it is working).
  - If screen Characters are not changing when pressing the scroll button, disconnect both the power and USB cable from the unit, and leave for approximately 5 hours (till backup battery dies). After screen has turned off, reconnect the power and USB cables, and press on the scroll button to turn the unit on.
4. Check that the logger has the power adapter connected, and is plugged in to an outlet.
5. Check that the sensor/s are connected to the logger, and that there are no loose wires.
6. Press the scroll button on the logger to verify logger is on and running.
  - If screen will not turn on, double check that the power adapter is warm (indicates it is working).
  - If screen Characters are not changing when pressing the scroll button, *open a Support ticket in the Fourtec website support page, and please provide this description of the issue.*
7. Verify that the computer is on, and that a user is logged in (DataSuite will not run if there is no user logged in).
8. Verify that the DataSuite Software is running.



# Communication Layer

1. Check that the Receiver is online (making sure Icon appears as online).
  - If Receiver is offline, Go to **Devices** menu, and click on **Detect Device**.
  - If receiver is still not detected, disconnect Receiver from USB, and reconnect to USB, then click on **Detect Device** again.
  - If Receiver is still not connecting, *open a Support ticket in the Fourtec website support page, and please provide this description of the issue.*
2. After verifying that the Receiver is online, verify that the logger is online (either by the icon tooltip, or the Network path)
  - If logger is not connecting, right click on the Receiver icon, and verify that “**Lock Network**” is not marked, then click on the Receiver icon, and click on **Refresh Network Connections**.
  - If still not connected, mark down the Network ID from the Receiver tooltip, go to the Logger, and use the Scroll button till you see “Network Data”, and verify that the same Network ID appears as on the Receiver tooltip (If logger is showing the value of a temperature sample on the screen, you will first need to press on the Menu button to get to the logger menu).
  - If Network Data is the same, continue to scroll on the logger till you get to “**Reset Unit**”, and click on the **Menu\Enter** button.
  - If Network Data shows a different network ID, you will need to reconnect the logger to the same Network as the Receiver. Press on the scroll button till you see “Leave Network”, press on the Menu/Enter button. The Logger will run a search for available networks, if only one network is discovered it will automatically connect to that network, if more than one network is found, use the scroll button to find the correct network (the one that appears on the Receiver) and press the Menu/Enter button. Verify in the DataSuite that the logger has been detected.
  - If logger is still not connecting, *open a Support ticket in the Fourtec website support page, and please provide this description of the issue.*



# Logger and Software setup\run

In some cases, and for unknown reasons, the logger may have been stopped, or the DataSuite Software may have lost the settings (this can happen if there was a computer crash). In these situations it is important to make sure that the logger is running with the correct setup, and that all the settings and configurations of the DataSuite are according to the Rhode Island Department of Health specifications.

After the FAQ section you will find the following slides:

- [System General Setup](#) – General settings configuration of the DataSuite Software, such as °F, U.S. date format, etc.
- [Manage Contacts configuration](#) – Add and maintain the email address information for the report and notifications recipients.
- [System Email Setup](#) – Setup the outgoing email account from which the DataSuite will send the reports and notifications
- [Email Alarm Notifications setup](#) – Setup the recipients who are supposed to receive alarm notifications.
- [Reports configuration](#) – Setup the report profiles, including what parameters to present in the report, and who the recipients for each report will be. This includes the setup for the 3 default profiles:
  - Daily Report
  - Weekly Report
  - Monthly Report
- [Logger Setup](#) – Setup the sampling rate, the input for each of the sensors, and the alarm levels (according to RIDOH default).



# Frequently Asked Questions

## Here is an example of possible issues and solutions:

- **What is the password** – Default password for the DataSuite Software is 1234 (this should not be changed).
- **Daily/Weekly reports are not being received** – Verify that the DataSuite Software is running, check that the correct email address exists in the Contacts window, and the report Profiles are correct.
- **Reports are being received, but have no data** – Please note that the data will appear starting on the 2<sup>nd</sup> or 3<sup>rd</sup> page. This is normally an indication that the Data from the logger is not being downloaded to the Software, because the logger is in stop mode, or offline. please check that the Receiver and logger are detected in the DataSuite Software, and that the logger is in run mode.
- **Logger is showing very low or very high readings** – This is an indication that the external PT-100 temperature sensor has a loose connection, or is disconnected from the logger. Verify that the wires are correctly connected, and that the screws are tightly closed.
- **Report shows a lot of offline and online events** – In some locations there may be a lot of wireless interference , as the DataNet is a wireless system, this can cause disconnections of the logger from the network. This situation requires changing the Network ID, so that a network with less interference is created. If this issue is experienced, please contact Fourtec Support to guide you through the process (please inform us that this is the case experienced).
- **Alarm occurs, but there was no alarm sound** – The DataSuite plays a sound file when an alarm is registered on the logger, the alarm will sound providing the DataSuite Mute icon is not pressed (icon can found in the top tool bar of the DataSuite Software). If the icon is active, check the speaker volume control of the computer.

Mute: 

Active: 





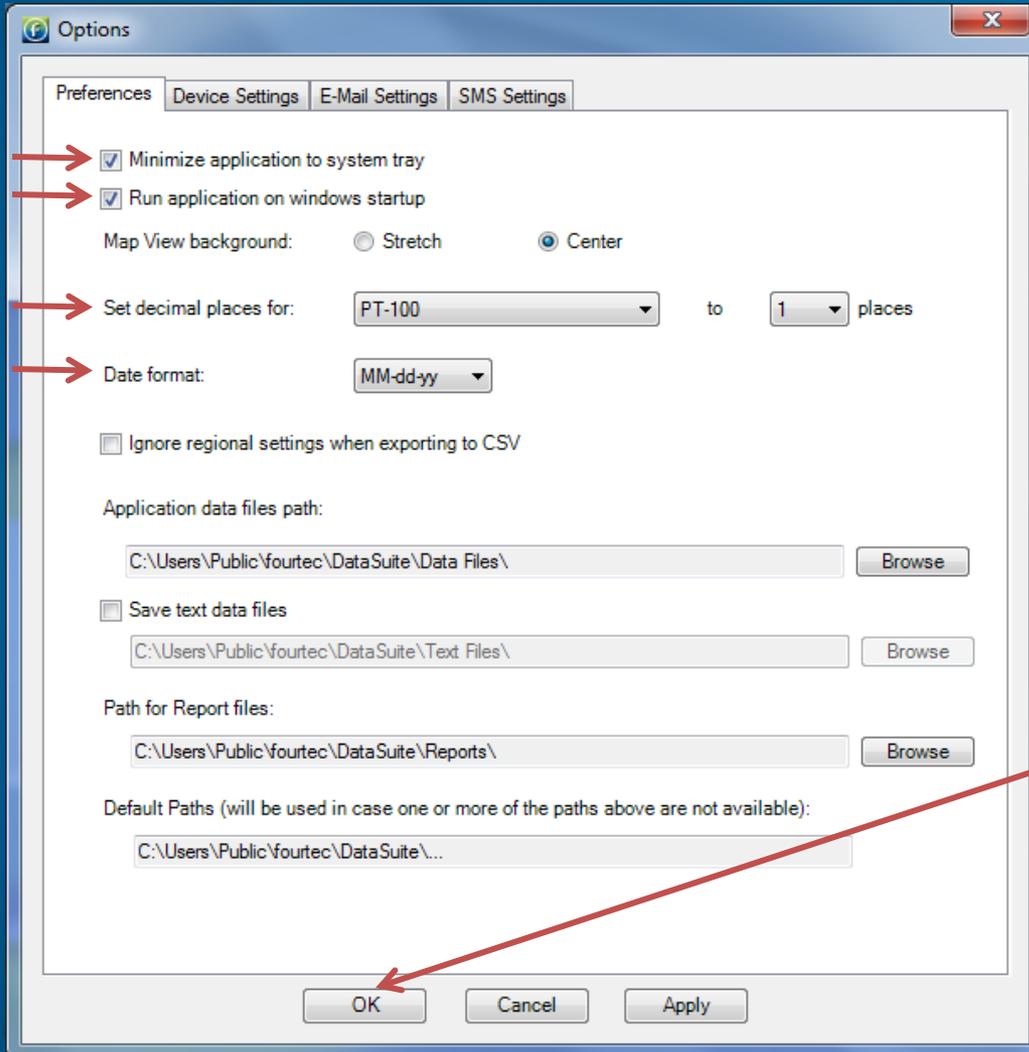
# Frequently Asked Questions (3)

- When DataSuite is run, there is a UAC related message, and it will not open** – When running the DataSuite Software in a user administrated environment, only the initial User, or any administrator, may be able to run the Software. In this situation make sure the correct user is logged into the computer, or have the IT department run the software as administrator.
- When Receiver is connected with the DataSuite open, or running the DataSuite and then connecting the Receiver, a Product activation window opens** – The DataNet system requires an activation Serial number in order to run on the DataSuite Software. Every installation has been setup with the Serial number. If the window opens, it means that the activation has been erased, or was not setup correctly. In this situation, start the 30 day free trial, and contact Fourtec support providing the site name . If an activation is found in our system, and you are using the same computer, we will send you the SN for activation. If a previous activation is not found, we will forward the issue to the RIDOH, and they will supply you with a new SN.

Additional FAQ's can be found on the Fourtec website:  
<http://fourtec.com/faq/>



# System General Setup



Options

Preferences | Device Settings | E-Mail Settings | SMS Settings

Minimize application to system tray

Run application on windows startup

Map View background:  Stretch  Center

Set decimal places for: PT-100 to 1 places

Date format: MM-dd-yy

Ignore regional settings when exporting to CSV

Application data files path:  
C:\Users\Public\fourtec\DataSuite\Data Files\ Browse

Save text data files  
C:\Users\Public\fourtec\DataSuite\Text Files\ Browse

Path for Report files:  
C:\Users\Public\fourtec\DataSuite\Reports\ Browse

Default Paths (will be used in case one or more of the paths above are not available):  
C:\Users\Public\fourtec\DataSuite\...

OK Cancel Apply

1. Click **Tools> Options > Preferences**

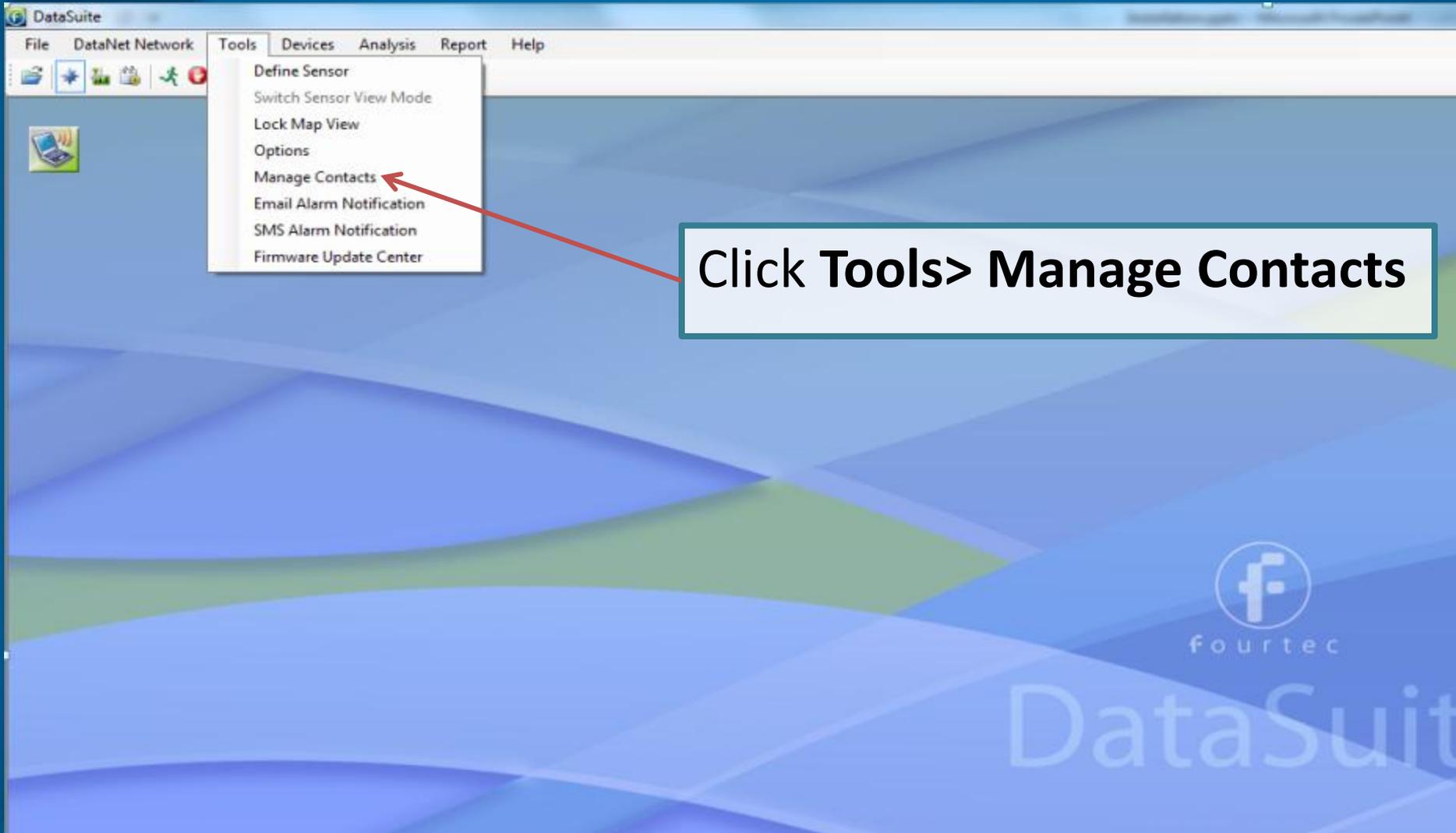
2. All systems should be configured per the following setup:

- Minimize application – checked
- Run on startup – checked
- Decimal places for PT100 – 1
- Date format

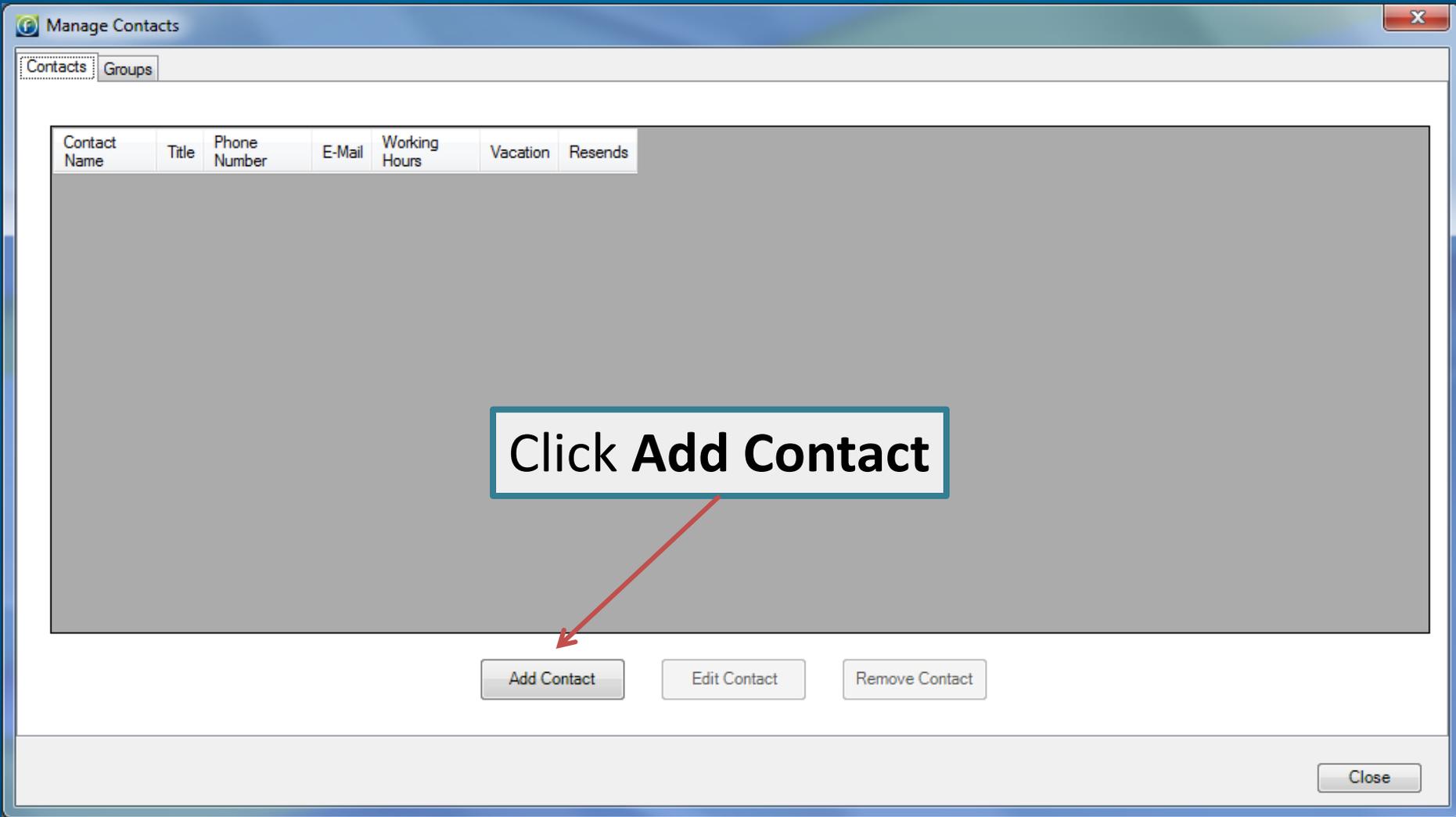
3. Click **OK**



# Manage Contacts Configuration



# Manage Contacts Configuration (2)



Manage Contacts

Contacts Groups

Contact Name	Title	Phone Number	E-Mail	Working Hours	Vacation	Resends
--------------	-------	--------------	--------	---------------	----------	---------

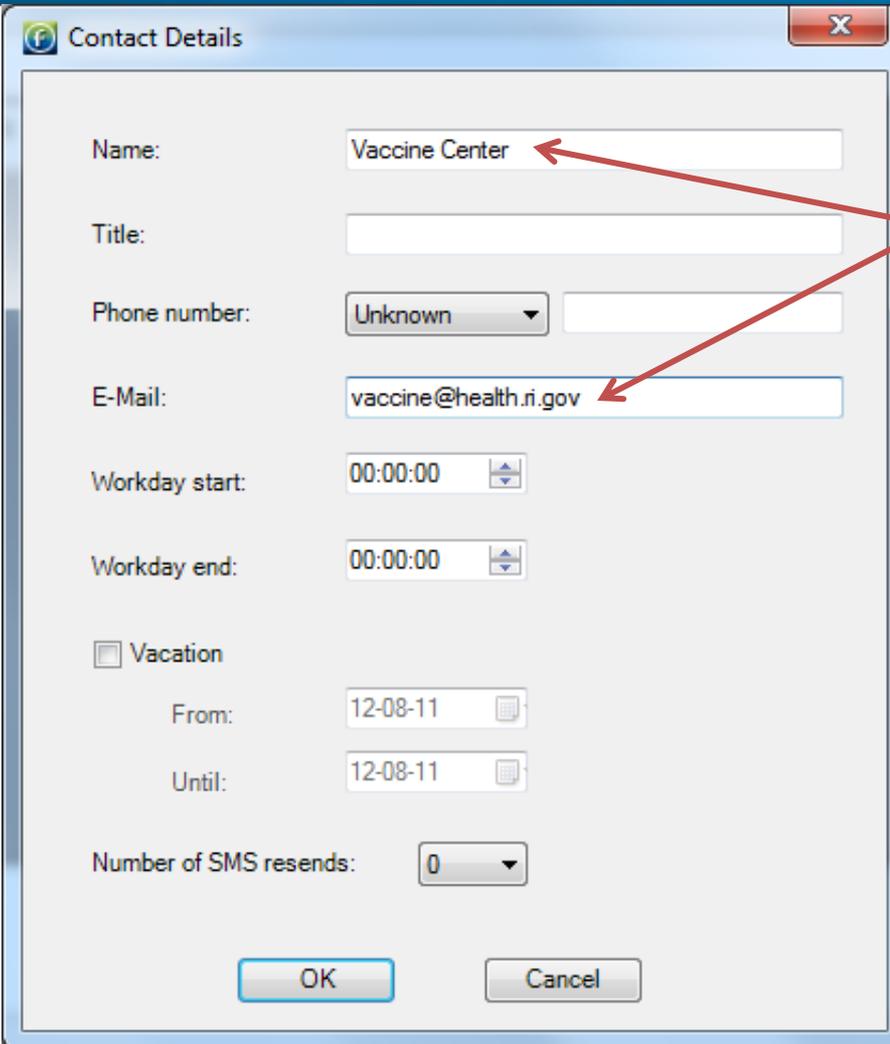
Click **Add Contact**

Add Contact Edit Contact Remove Contact

Close



# Manage Contacts Configuration (3)



Contact Details

Name: Vaccine Center

Title:

Phone number: Unknown

E-Mail: vaccine@health.ri.gov

Workday start: 00:00:00

Workday end: 00:00:00

Vacation

From: 12-08-11

Until: 12-08-11

Number of SMS resends: 0

OK Cancel

1. Enter the recipient's details  
(Similar for all sites)
  - Name
  - E-Mail
2. Click **OK**

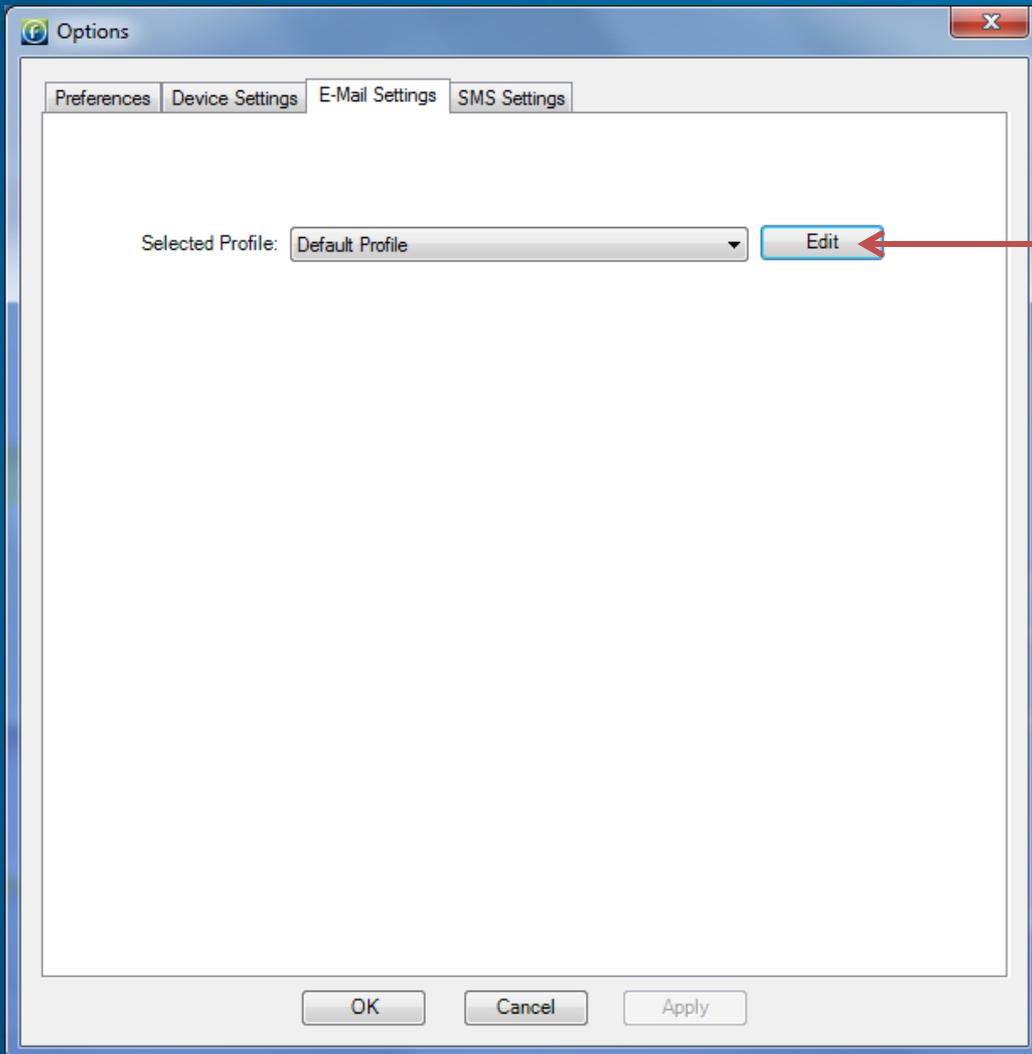
**NOTE:** If the End-User wants the staff to receive emails as well, add another contact with each staff member's details.

If you want the contact to receive text messages you must create a second contact for that individual with the proper testing information based on the cellular carrier. Example: Name = Vaccine Center (M), E-Mail = [4012225988@vtext.com](mailto:4012225988@vtext.com).

Full list of the current cellular carrier's email to mobile phone formats can be found [here](http://solutions.csueastbay.edu/questions.php?questionid=348)  
(<http://solutions.csueastbay.edu/questions.php?questionid=348>)



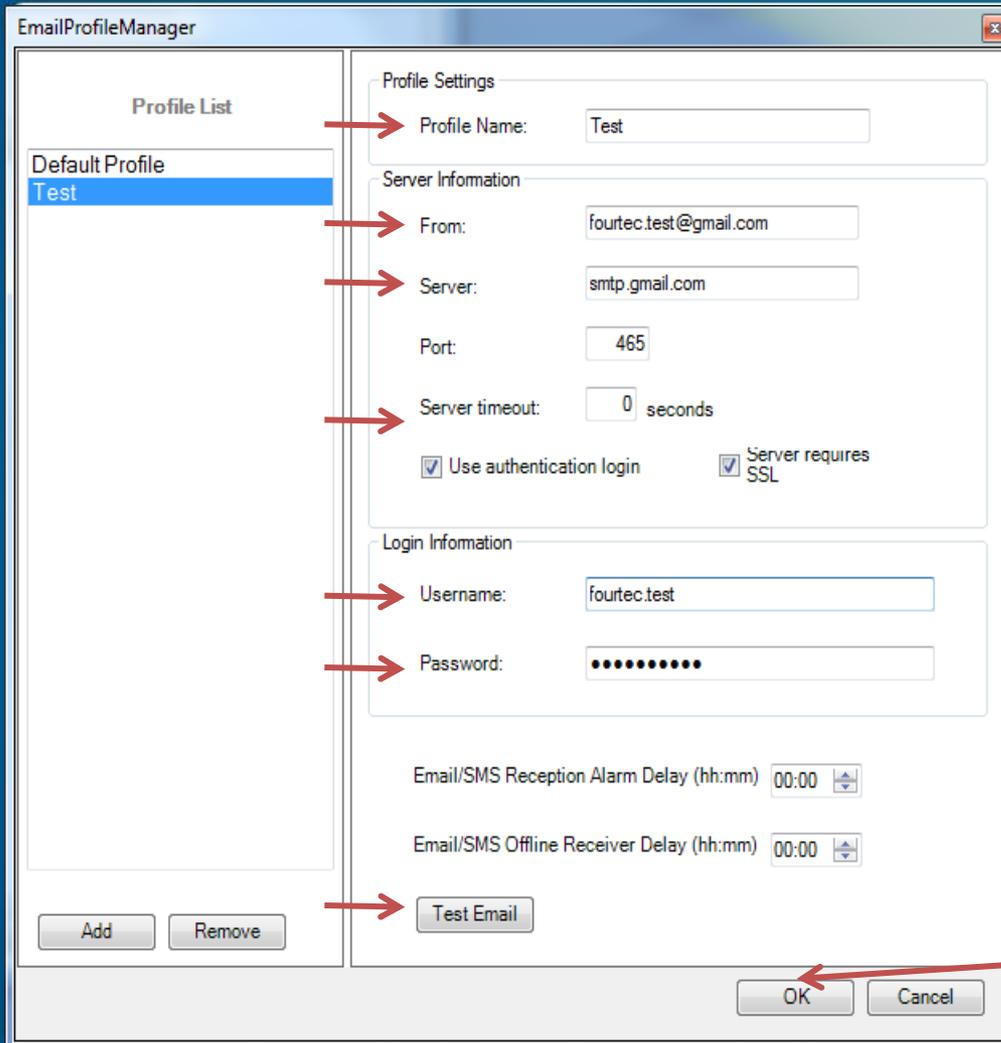
# System E-Mail Setup



1. Click on **E-Mail Settings** tab
2. Click **Edit** to edit the E-Mail profile

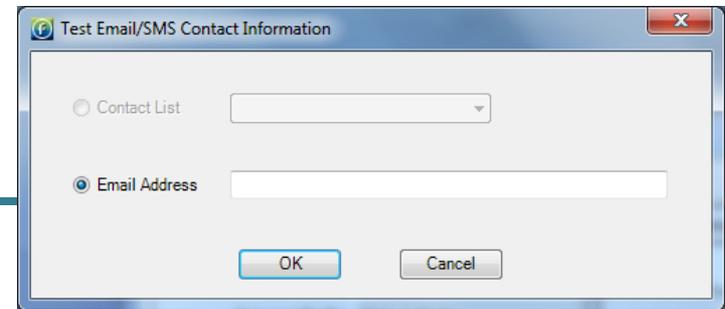


# System E-Mail Setup (2)



The screenshot shows the 'EmailProfileManager' application window. On the left, a 'Profile List' shows 'Default Profile' and 'Test' (selected). The main area is divided into sections: 'Profile Settings' (Profile Name: Test), 'Server Information' (From: fourtec.test@gmail.com, Server: smtp.gmail.com, Port: 465, Server timeout: 0 seconds, Use authentication login checked, Server requires SSL checked), 'Login Information' (Username: fourtec.test, Password: masked), and 'Email/SMS Reception Alarm Delay (hh:mm) 00:00' and 'Email/SMS Offline Receiver Delay (hh:mm) 00:00'. At the bottom, there are 'Add', 'Remove', 'Test Email', 'OK', and 'Cancel' buttons. Red arrows point to the 'Test' profile, the 'From', 'Server', 'Port', 'Server timeout', 'Use authentication login', 'Server requires SSL', 'Username', 'Password', 'Test Email', and 'OK' buttons.

1. Click **Add**
2. Enter a profile name: **"Health"**
3. From: [vaccine.health@gmail.com](mailto:vaccine.health@gmail.com)
4. Server: **smtp.gmail.com**
5. Port: **465**
6. Server Timeout: **30 seconds**
7. **Authentication and SSL checked.**
8. Username: [vaccine.health@gmail.com](mailto:vaccine.health@gmail.com)
9. Password: **immunize**

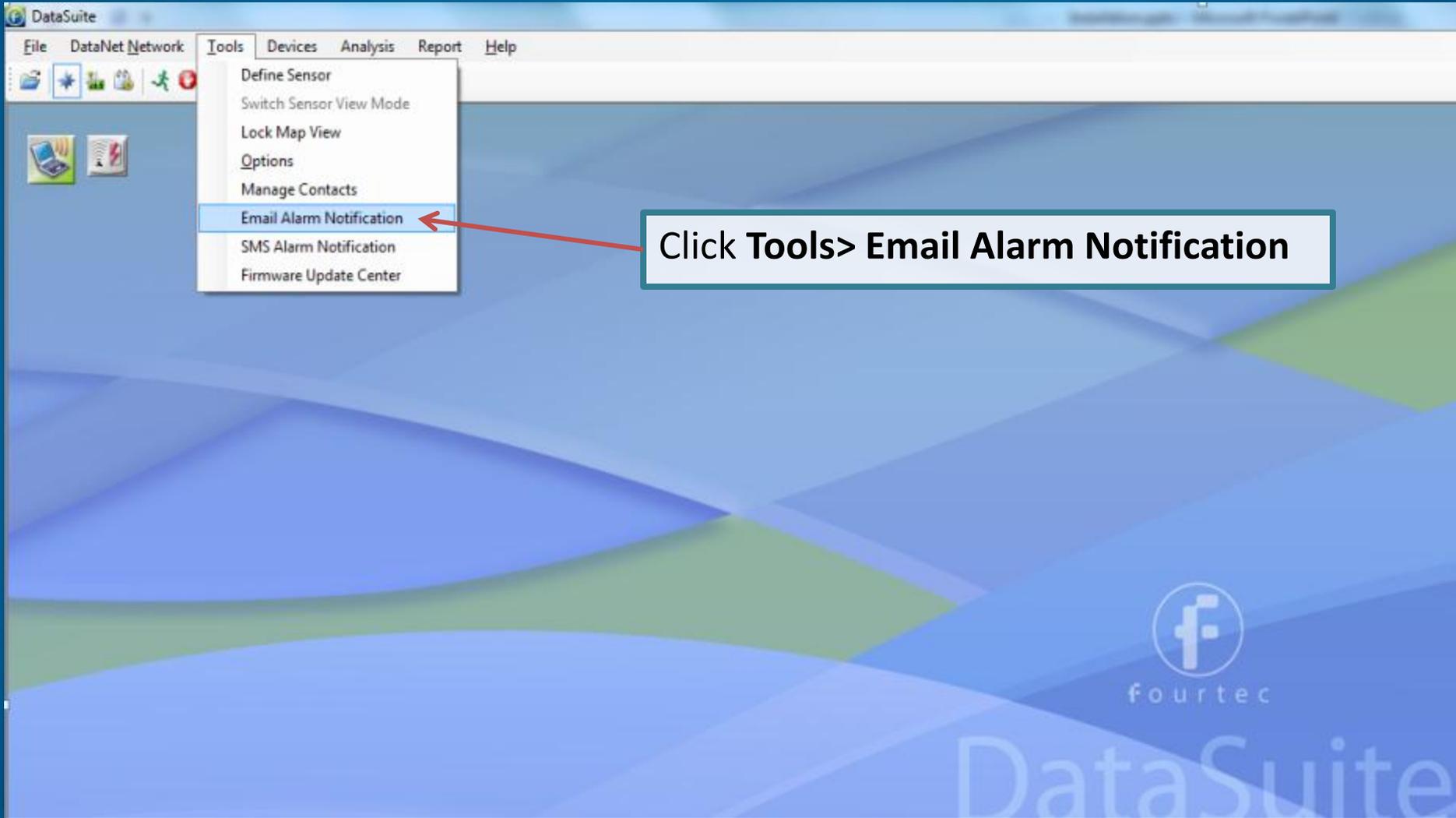


The screenshot shows the 'Test Email/SMS Contact Information' dialog box. It has two radio buttons: 'Contact List' (unselected) and 'Email Address' (selected). Below the 'Email Address' radio button is an empty text input field. At the bottom, there are 'OK' and 'Cancel' buttons.

10. Enter a valid email address which can be checked online and click **OK**. Check that the email has reached its destination
11. Click **OK**



# Email Alarm Notification Setup



Click Tools> Email Alarm Notification



# Email Alarm Notification Setup (2)

Notifications Setup   
  Contacts   
  Groups

E-Mail

fourtec (818279)  
Receiver (804205)

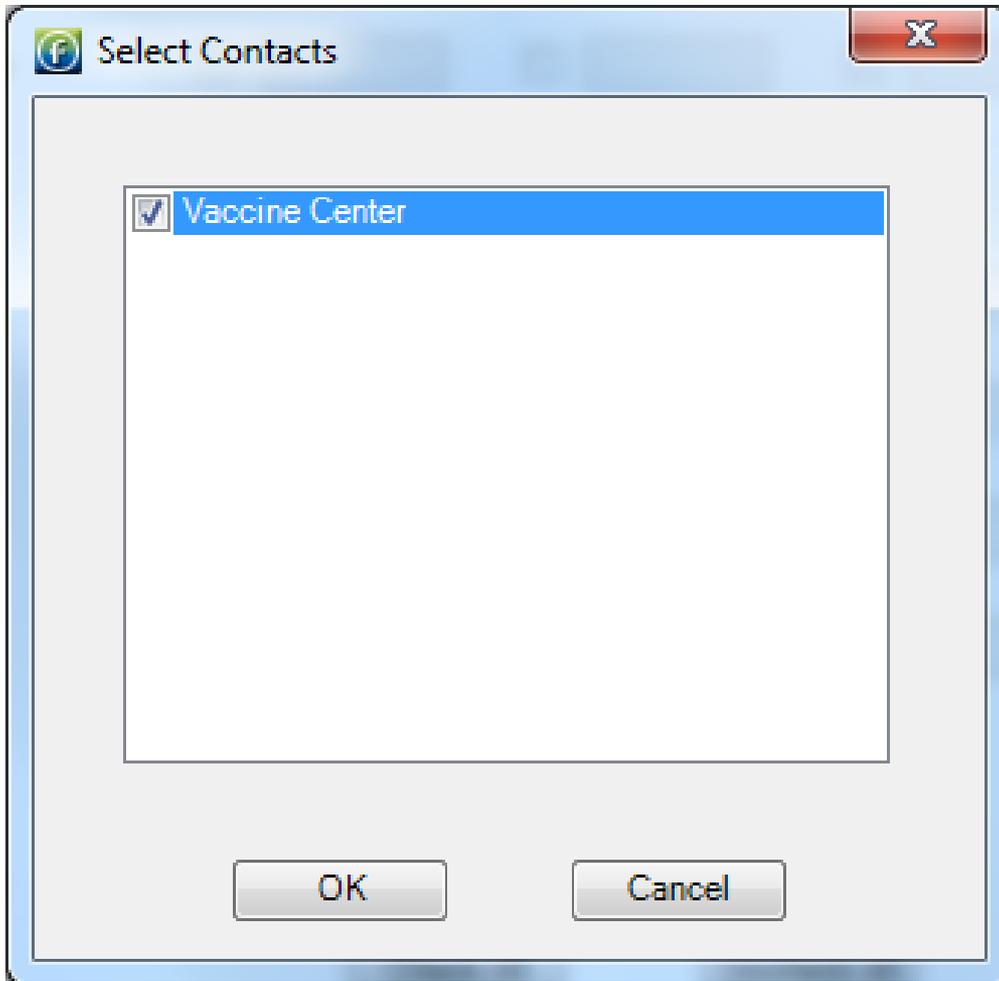
	Low Alarm	Pre-low Alarm	Pre-high Alarm	High Alarm	Normalized	
Internal Temperature	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/>	<input type="button" value="Contacts"/>
Fridge	<input checked="" type="checkbox"/> <input type="text" value="35.0"/>	<input checked="" type="checkbox"/> <input type="text" value="36.5"/>	<input checked="" type="checkbox"/> <input type="text" value="44.5"/>	<input checked="" type="checkbox"/> <input type="text" value="46.0"/>	<input type="checkbox"/>	<input type="button" value="Contacts"/>
Freezer	<input checked="" type="checkbox"/> <input type="text" value="-50.0"/>	<input checked="" type="checkbox"/> <input type="text" value="-48.5"/>	<input checked="" type="checkbox"/> <input type="text" value="3.5"/>	<input checked="" type="checkbox"/> <input type="text" value="5.0"/>	<input type="checkbox"/>	<input type="button" value="Contacts"/>
PT-100	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/>	<input type="button" value="Contacts"/>
Frequency	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/> <input type="text"/>	<input type="checkbox"/>	<input type="button" value="Contacts"/>
<input checked="" type="checkbox"/> Battery alarm					<input type="checkbox"/>	<input type="button" value="Contacts"/>
<input checked="" type="checkbox"/> Reception alarm					<input type="checkbox"/>	<input type="button" value="Contacts"/>

Click the **Check All** button and then click on the marked **Contacts** button



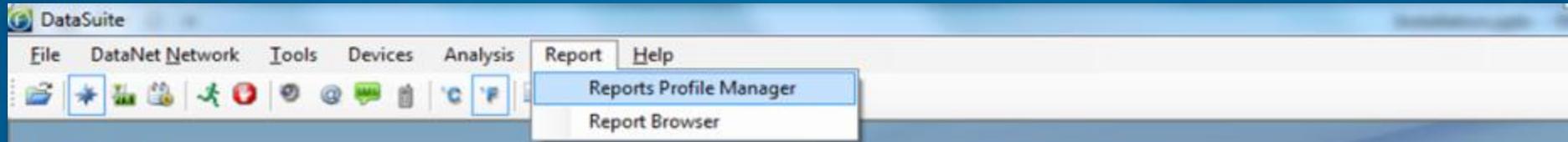
# Email Alarm Notification Setup (3)



Check all the requested contacts and click **OK**.  
Once the window closes, click **Close**.



# Reports Configuration



There are three report types to be configured:

- Daily report – sent to contacts as requested by provider’s office
- Weekly report –sent to contacts as requested by provider’s office
- Monthly report – sent to [vaccine@health.ri.gov](mailto:vaccine@health.ri.gov) and to Provider’s contacts

1. Click **Reports> Reports Profile Manager**.

2. The password window will appear, enter 1234 and click **OK**.

3. All report profiles should include your SSV pin in the “Report created by:” field.



# Reports Configuration (2)

Reports Profile Manager

Create New Profile

Enable Report Profile

**Boomerang Report Profile**  
Profile 2

Profile Name: Profile 2

Report Generated By:

Report Comment:

PDF Header Image

Temperature units:  °C  °F

Report Format:  Excel  PDF

Sent Report by email:   Generated Report

Report Time

Generate Report at: 08:00

Daily

Weekly on: Monday

Monthly on: 1

User Defined

From: 08/12/2011 18:22:26

Until: 08/12/2011 18:22:26

Units

All Units

Order:  By S/N  Manual

Index	Check	S/N	Comment
1	<input checked="" type="checkbox"/>	818279	fourtec

Report Type

Sent SMS Log

Events Log

Device Setup Log

Device Statistics

Sent Email Log

Received SMS Log

Sensors Graph

Sensor Histogram

Click **Create New Profile** and then check the **Enable Report Profile** checkbox



# Daily Report

Reports Profile Manager

Create New Profile

Enable Report Profile

**Boomerang Report Profile**  
Daily Report

Profile Name: Daily Report

Report Generated By: <Site Name>

Report Comment: Data Logger Daily Report

PDF Header Image

Temperature units:  °C  °F

Report Format:  Excel  PDF

Sent Report by email:   Generated Report

Report Time

Generate Report at: 09:00

Daily

Weekly on: Monday

Monthly on: 1

User Defined

From: 08/12/2011 18:22:26

Until: 08/12/2011 18:22:26

Units

All Units

Order:  By S/N  Manual

Index	Check	S/N	Comment
1	<input checked="" type="checkbox"/>	818279	fourtec

Report Type

Alarm Log  Sent SMS Log

Events Log  Received SMS Log

Device Setup Log  Sensors Graph

Device Statistics  Sensor Histogram

Sent Email Log

Click **Contacts** and check the relevant contacts for this specific report. Then click **Save Profile**



# Weekly Report

Reports Profile Manager

[Create New Profile](#)

Enable Report Profile

**Boomerang Report Profile**  
Daily Report  
Weekly Report  
Monthly Report

Profile Name:

Report Generated By:

Report Comment:

PDF Header Image

Temperature units:  °C  °F

Report Format:  Excel  PDF

Sent Report by email:   Generated Report

Report Time

Generate Report at:

Daily

Weekly on

Monthly on

User Defined

From:

Until:

Units

All Units

Order:  By S/N  Manual

Index	Check	S/N	Comment
1	<input checked="" type="checkbox"/>	818279	fourtec

Report Type

Alarm Log  Sent SMS Log

Events Log  Received SMS Log

Device Setup Log  Sensors Graph

Device Statistics  Sensor Histogram

Sent Email Log

Click **Contacts** and check the relevant contacts for this specific report. Then click **Save Profile**

# Monthly Report

Reports Profile Manager

Create New Profile

Enable Report Profile

**Boomerang Report Profile**  
Daily Report  
Weekly Report  
Monthly Report

Profile Name: Monthly Report  
Report Generated By: <Site Name>  
Report Comment: Data Logger Monthly Report

PDF Header Image

Temperature units:  °C  °F

Report Format:  Excel  PDF

Sent Report by email:  **Contacts**  Generated Report

Report Time

Generate Report at: 08:00

Daily  
 Weekly on: Monday  
 Monthly on: 1

User Defined

From: 08/12/2011 18:34:37  
Until: 08/12/2011 18:34:37

Units

All Units

Order:  By S/N  Manual

Index	Check	S/N	Comment
1	<input checked="" type="checkbox"/>	818279	fourtec

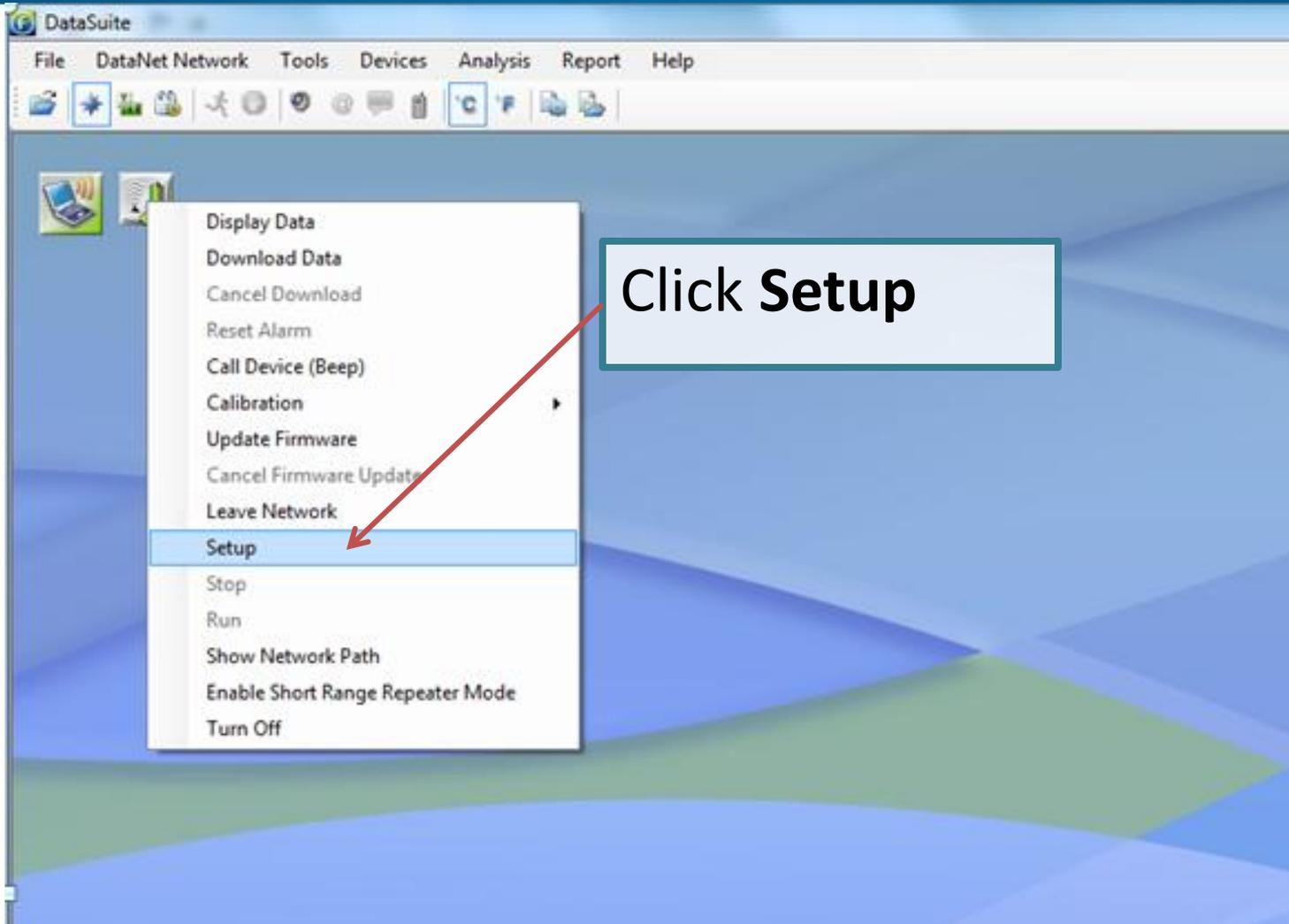
Report Type

Alarm Log  Sent SMS Log  
 Events Log  Received SMS Log  
 Device Setup Log  Sensors Graph  
 Device Statistics  Sensor Histogram  
 Sent Email Log

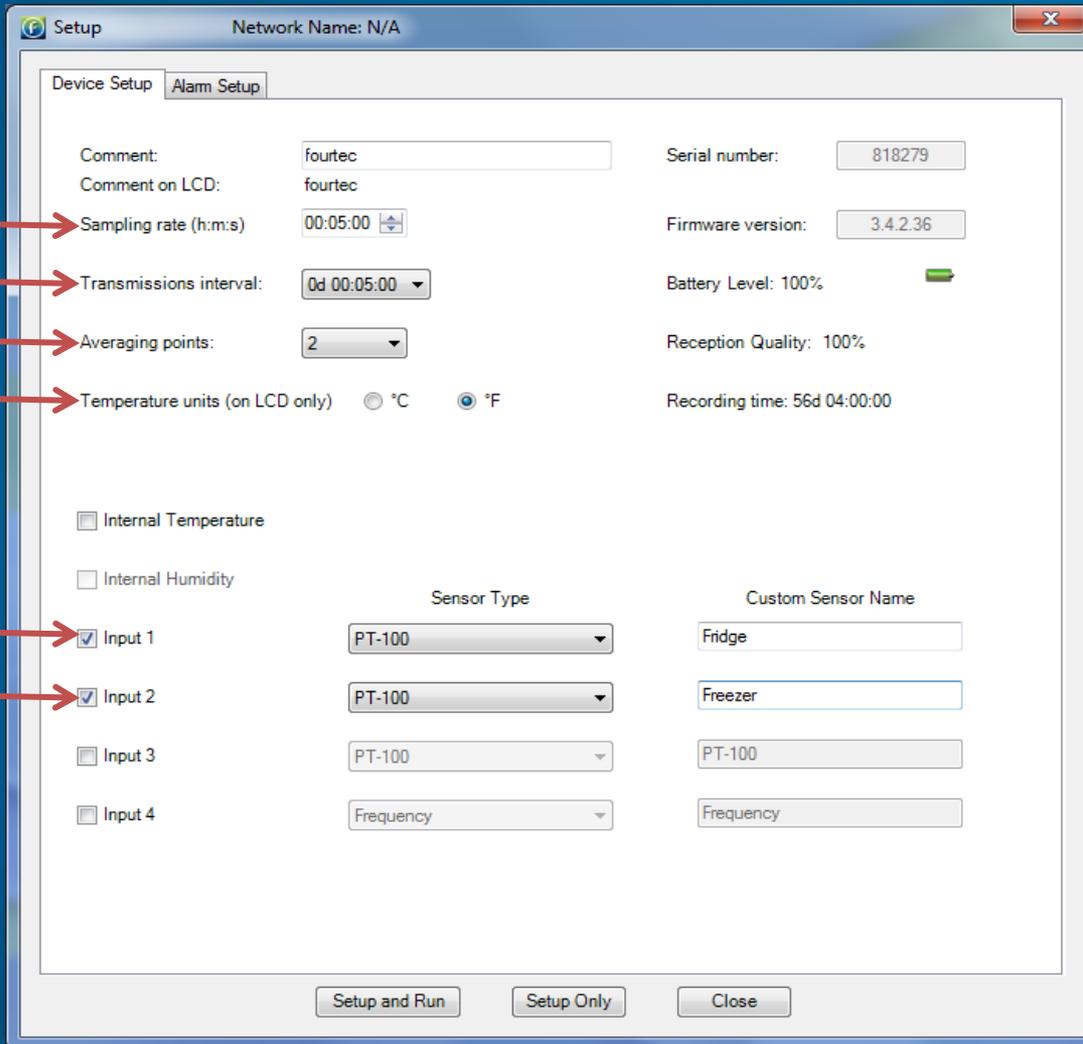
Click **Contacts** and check the relevant contacts for this specific report. Then click **Save Profile**



# Logger Setup



# Logger Setup (2)



Setup Network Name: N/A

Device Setup Alarm Setup

Comment: fourtec Serial number: 818279

Comment on LCD: fourtec

Sampling rate (h:m:s) 00:05:00 Firmware version: 3.4.2.36

Transmissions interval: 0d 00:05:00 Battery Level: 100%

Averaging points: 2 Reception Quality: 100%

Temperature units (on LCD only)  °C  °F Recording time: 56d 04:00:00

Internal Temperature

Internal Humidity

Input	Sensor Type	Custom Sensor Name
<input checked="" type="checkbox"/> Input 1	PT-100	Fridge
<input checked="" type="checkbox"/> Input 2	PT-100	Freezer
<input type="checkbox"/> Input 3	PT-100	PT-100
<input type="checkbox"/> Input 4	Frequency	Frequency

Buttons: Setup and Run, Setup Only, Close

The following setup will be similar in all sites:

- Comment – SSV pin plus abbreviated practice name.
- Sampling rate – 5 min
- Transmission interval – 5 min
- Averaging points – 8
- Temperature units - F
- Input 1 – PT100 with the comment “Fridge” plus SSV pin
- Input 2 – PT100 with the comment “Freezer” plus SSV pin



# Logger Setup (3)

Setup Network Name: N/A

Device Setup Alarm Setup

Alarm delay: 00:00:00 (depends on the sampling interval)

Pre-alarm delay: 00:30:00 (depends on the sampling interval)

Alarm duration: 00:01:00

Sound alarm during pre-alarm

	Low Alarm	Pre-low Alarm	Pre-high Alarm	High Alarm
Internal Temperature	<input type="checkbox"/> 20.00	<input type="checkbox"/> 23.00	<input type="checkbox"/> 26.98	<input type="checkbox"/> 45.01
Internal Humidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT-100	<input checked="" type="checkbox"/> 35.0	<input checked="" type="checkbox"/> 36.5	<input checked="" type="checkbox"/> 44.5	<input checked="" type="checkbox"/> 46.0
PT-100	<input checked="" type="checkbox"/> -50.0	<input checked="" type="checkbox"/> -48.5	<input checked="" type="checkbox"/> 3.5	<input checked="" type="checkbox"/> 5.0
PT-100	<input type="checkbox"/> -199.9	<input type="checkbox"/> -199.9	<input type="checkbox"/> 400.0	<input type="checkbox"/> 400.0
Frequency	<input type="checkbox"/> 0.00	<input type="checkbox"/> 0.00	<input type="checkbox"/> 4000.00	<input type="checkbox"/> 4000.00

Setup and Run Setup Only Close

The following setup will be similar in all sites:

- Alarm delay – 15 min
- Pre-alarm Delay – 15 min
- Alarm duration – 1 min
- Alarm levels (as per the attached screenshot), for the Freezer sensor, Prehigh Alarm should be set to 30°, and High Alarm set to 32° (not according to screen shot).

Click **Setup and Run**





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FOURTEC TECHNOLOGIES

If you are having difficulties with your DataNet System please contact Fourtec directly at [Helpdesk@Fourtec.com](mailto:Helpdesk@Fourtec.com) before attempting to contact HEALTH. If Fourtec is unable to correct the problem or they find that it is a hardware issue they will contact HEALTH for us to dispatch a technician to address the problem at the provider facility.

