

Ontrac Remote Management



Ontrac CELL
To Make The Most
of Your 24 Hours



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1. System Safety


-  *When towing a System from field to field, avoid ditches, rough terrain, overhead power lines, etc. The Ground Wire **MUST** be re-attached to the Ground Rod and checked for electrical integrity each time the System is towed.*
-  *Avoid any bodily contact with high pressure water streams from Sprinklers and End Guns.*
-  *Keep away from fields where the System is chemigating. Make sure the applied chemical and water does not blow or drift past the area of intended operation. A Check Valve must be installed between the Pivot Center and the Pump to prevent the mixture of water and chemical from siphoning back into the irrigation water source. Comply with all local, state, and federal regulations.*
-  *Do not oversize Fuses. Fuses are sized for a specific circuit. It is very important to make sure you have the proper fuse size in place before initially starting the System and when replacing Fuses.*
-  *Do not operate System when temperatures are below 40°F (4.5°C). This can cause structural damage to the System.*
-  *In most states it is unlawful to spray water on state and county roadways. This is a serious hazard and must not be allowed.*
-  *If your System is equipped with any Auto-Stop or Auto-Reverse Mechanism, make sure they are working correctly and a Tower Barricade is properly installed as per this manual. **Reinke disclaims any and all liability (including any liability created pursuant to the Irrigation Systems Warranty) with regard to damage to the Irrigation System, or to other property, or personal injury or death, caused by improper installation or maintenance of Reinke-supplied Tower Auto-Reverse or Auto-Stop Switches or Tower Barricades, or by use of customer-supplied Barricades.***
-  *Driveshafts may start without warning. Keep away from Driveshafts to prevent clothing or limbs from being entangled, resulting in severe injury.*
-  *Do not endanger your own life and possibly the lives of others by being negligent.*
-  *Be aware that the system may start automatically, depending on how your system is setup, monitored, and controlled.*


The Reinke Electrogator II System is designed with many electrical and mechanical safety features. However, each operator must read and understand this and all other accompanying owners manuals for the safe and efficient operation of your Reinke Electrogator II System. If this System is operated incorrectly, it can pose a safety threat to the operator and others. The following is a list of safety operating tips which all service and operating personnel must read and understand.


 *The Safety Alert Symbol is displayed many places throughout this manual and on your System to indicate when there is a potential for Personal injury.*





 *Throughout this manual and on System Decals, the words “DANGER”, “WARNING”, and “CAUTION” are used with the Safety Alert Symbol to alert the operator of potential hazards. “DANGER” identifies the most serious hazards. “DANGER” or “WARNING” safety signs identify specific hazards. “CAUTION” signs identify specific safety instructions.*


 *The movement of an Electrically Powered, Gear-Driven, Irrigation System is relatively slow. Moving parts are exposed and may present a potential hazard. Therefore, keep all equipment, vehicles, people, etc., out of the System’s path.*


 *DO NOT attempt to perform any maintenance procedures until the Main Control Panel Disconnect Switch and all Pump and other Disconnect Switches are locked in the “OFF” position. Electrical component troubleshooting and replacement should be performed by a certified Service Technician to ensure built-in safety features remain intact. This also ensures System remains compliant with the National Electric Code and the Manufacturers Specifications. Replace all Protective Guards and Shields before restoring power to the System.*


 *Do not allow anyone to ride or climb on the System unless they are qualified and required to do so for maintenance purposes.*


 *The Tower Steps have been provided for access to the Tower Control Boxes only. They are not intended for access to the Span. For instance, should the Sprinkler Heads require service, use a ladder to reach them from the ground.*

 *Exercise caution when handling fuel near Systems equipped with Combustion Engine-driven Generators and Pumps.*

 *If you attempt to repair your System and are uncertain of your methods, contact an authorized Service Person.*

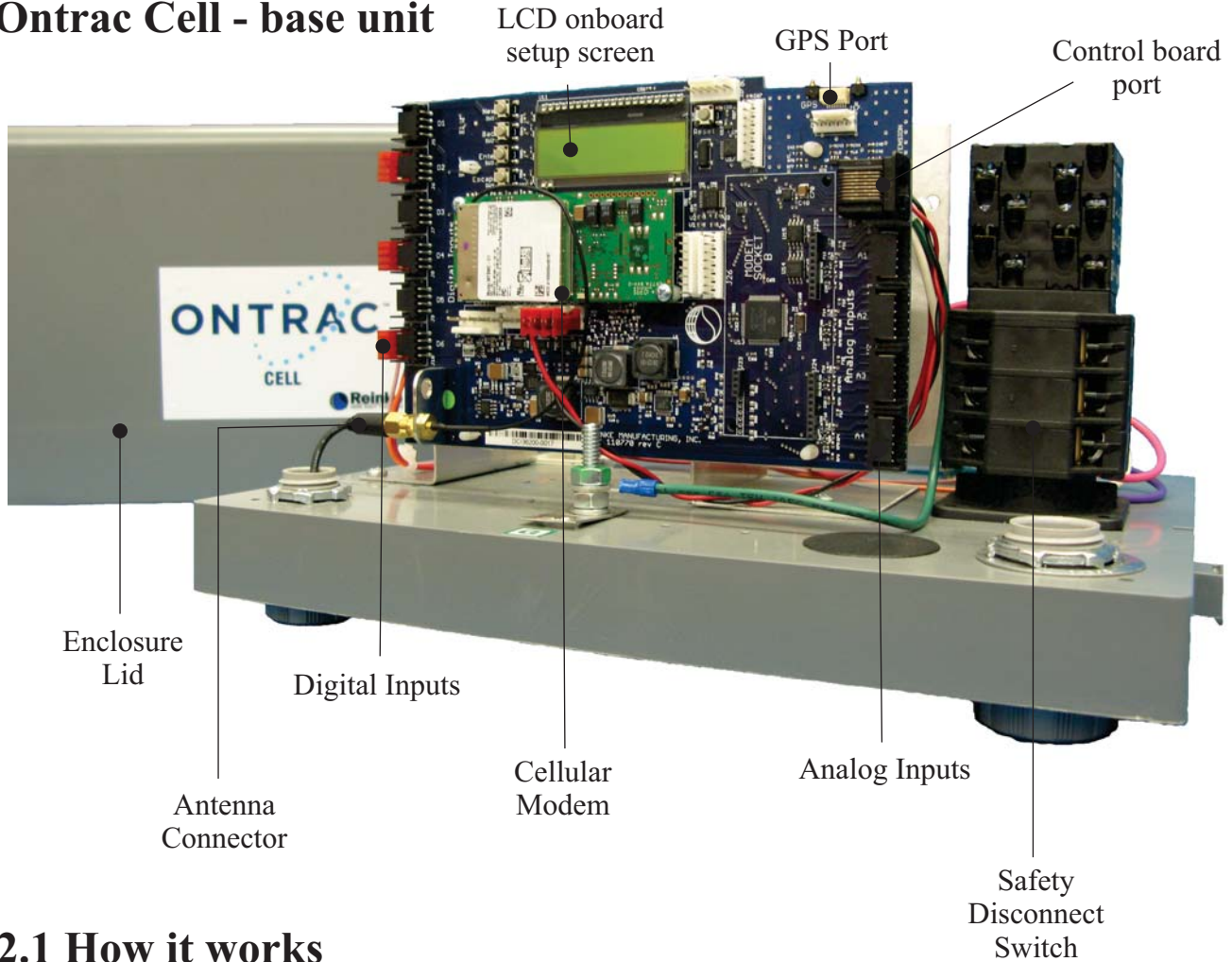
 *Keep away from the System during thunderstorms or other severe weather conditions. The Center Pivot is grounded and the System is probably the highest object in the field, making it a good lightning receptor.*

 *Be sure Protective Guards are installed on all Belts and Driveshafts of Ancillary Equipment such as Combustion Engines, Electric Motors, Pumps, etc.*

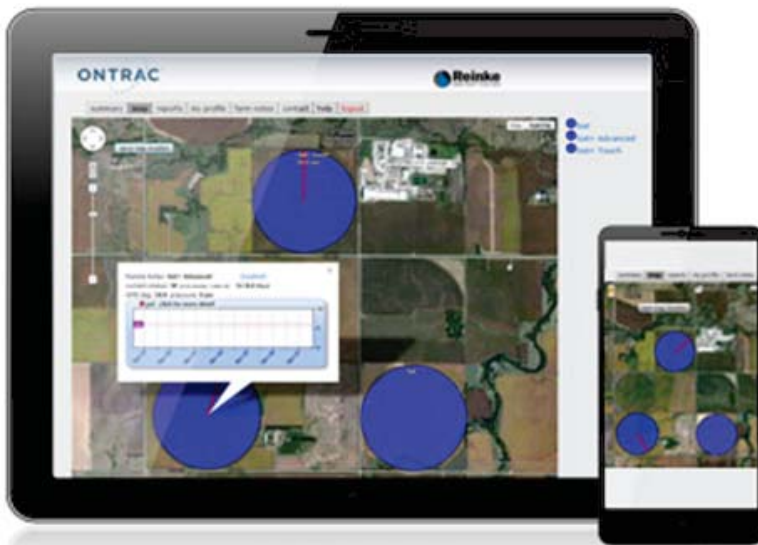
 *If you suspect a short circuit or the System is not working correctly, do not touch the System and keep others away from it. Call your Service Technician. Electrical component troubleshooting and replacement should be performed by a certified Service Technician to ensure built-in safety features remain intact. This also ensures System remains compliant with the National Electric Code and the Manufacturers Specifications.*

2. Ontrac Cell at a Glance

Ontrac Cell - base unit

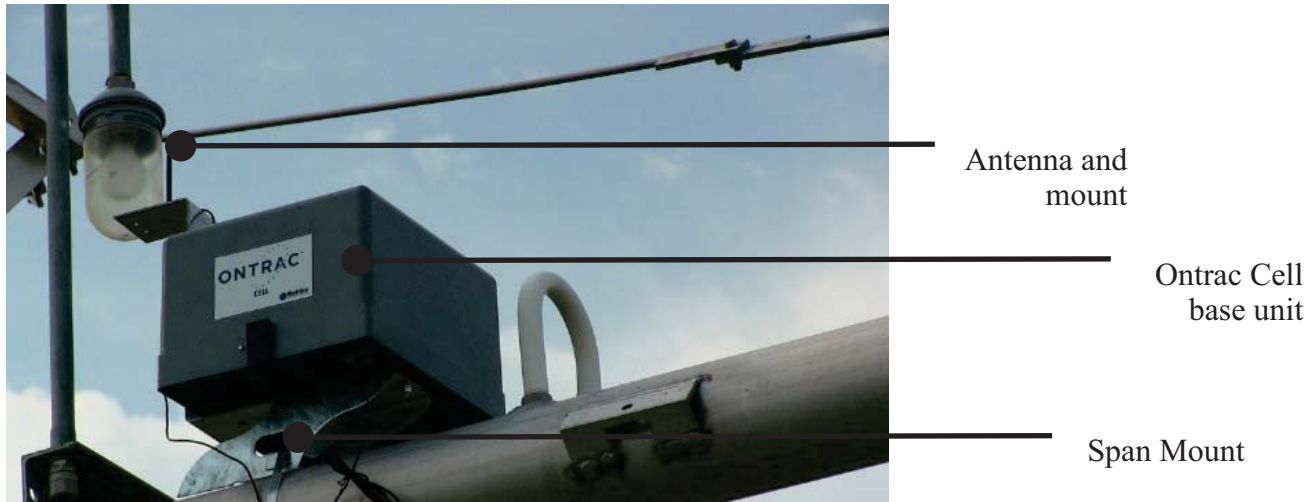


2.1 How it works

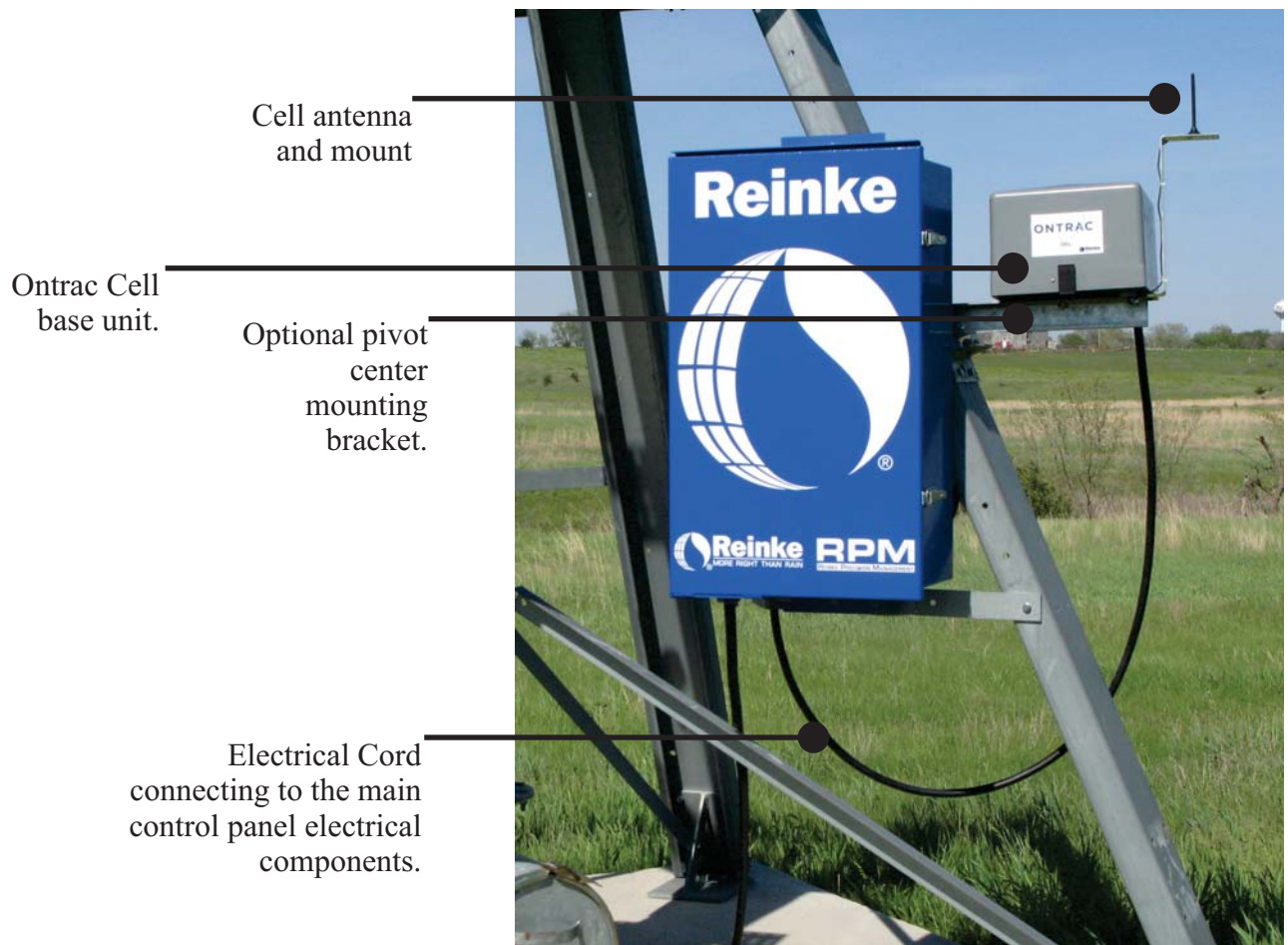


The Ontrac Cell communicates through a cellular network to an Ontrac server where the data is stored. This information is displayed on your website for monitoring and control of your irrigation system. You can access the secure website anytime, anywhere; using any internet enabled device such as tablets, smartphones, laptops and desktop computers. Ontrac cell can easily keep you in touch with you and your irrigation systems through the critical system alerts this product offers.

2.2 Span Mount Installation



Pivot Center installation





3. Getting Started

Activation

To activate the wireless service plan, you need:

- A wireless services agreement provided by an authorized Reinke dealer. The Reinke dealer can help you successfully activate your Ontrac Cell device.

To use Ontrac Cell with your phone, you need:

- To enable text messaging with your cell phone provider and or enable internet access on compatible devices.

To use Ontrac Cell with your computer, tablet or smartphone, you need:

- Internet Access; and at least one of the following internet browsers: Internet Explorer 9 or greater, Firefox 11, Google Chrome 26x.
- Your username and password, and passcode provided at time of activation

Record your account information below:

Account Name: _____

Username: _____

Password: _____

5 Digit Passcode: _____

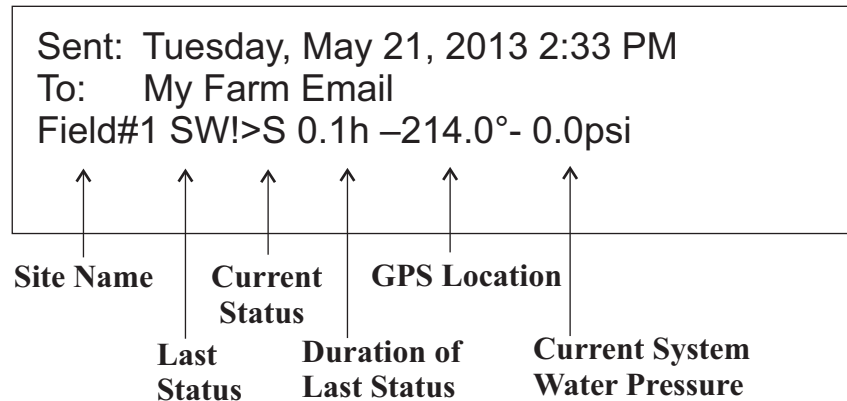
Cell Modem Serial Number: RNKE _____

Field Location: _____

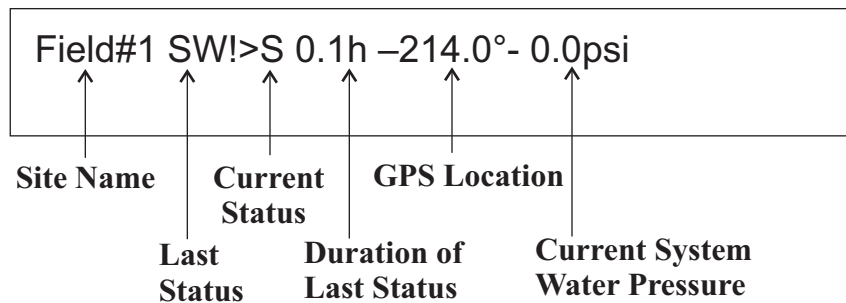
4. Alerts

You can receive system alerts through email and or text messaging. These alerts are based on the device configuration at time of installation or if any additional options are added at a later time.

Email Alert



Text Alert



4.1 Legend

Below is the legend that will help you understand the above messages.

- SW! = Stopped Wet
- RDR = Running Dry in Reverse
- RDF = Running Dry in Forward
- RWR = Running Wet in Reverse
- RWF = Running Wet in Forward
- RR = Running in Reverse
- RF = Running in Forward
- S = Stopped
- Alarm = Wire Theft Detected

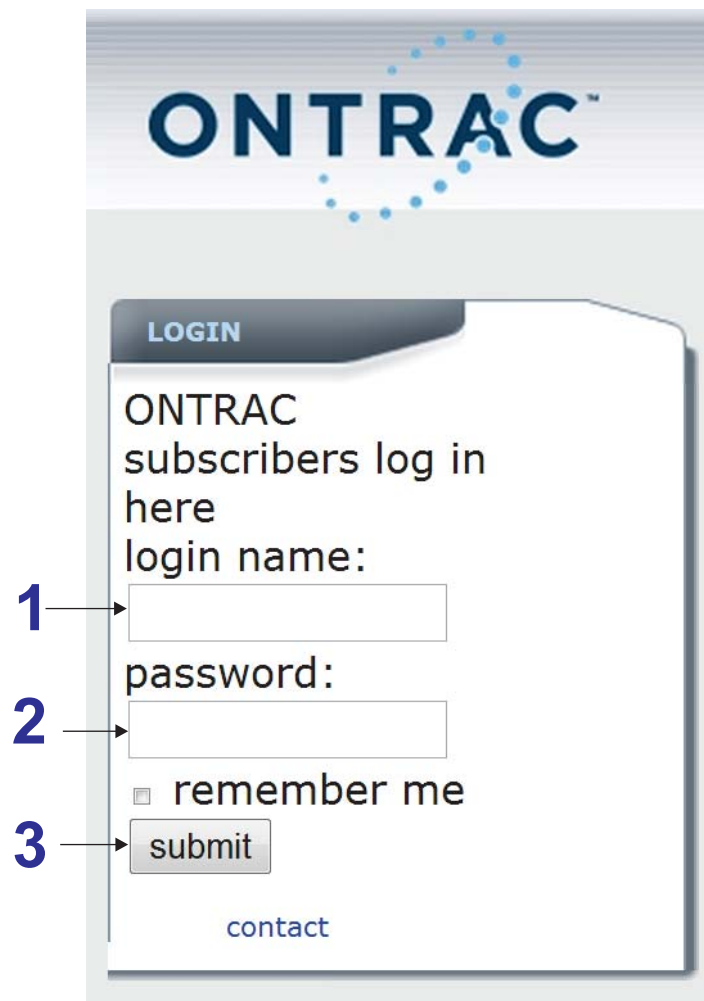
5. Ontrac Website

5.1 How to Log into the Ontrac website

Make sure you have your username and password handy that you created during activation.

1. Go to www.ontracbyreinke.com
2. Type in your username in the text box provided on the screen
3. Type in your password in the text box provided on the screen
4. Click when finished and you'll enter your Ontrac website.

(If you check the remember me box the next time you go to the website it will automatically remember your login name and password.) Please use caution when using the remember me option as this will allow access to any one using your phone.




The image shows a screenshot of the Ontrac website's login page. At the top, the ONTRAC logo is displayed. Below it, a dark grey header contains the word "LOGIN" in white. The main content area is white and contains the text "ONTRAC subscribers log in here" followed by "login name:" and a text input field. Below that is "password:" and another text input field. A checkbox labeled "remember me" is positioned below the password field. A "submit" button is located below the checkbox. At the bottom of the form area, there is a "contact" link. Three blue callout numbers with arrows point to the input fields: "1" points to the login name field, "2" points to the password field, and "3" points to the submit button.

5.2 Summary Page



summary | map | reports | my profile | farm notes | contact | help | [logout](#) 5/22 8:45a

summary for Reinke Sales

site - ivr	status	psi	GPS	control	wet/run hours	24hr rain
Sat - 11	 s	0	-	control	840.6	-
Sat+ Advanced - 12	 s	0	41.9 °	control	1102.5	-
Sat+ Touch - 22	 d	0	152.1 °	control	539.6	0.00

[show/hide status code help](#) | viewing data starting **January 01, 2013** [change](#)

 Scan this QR code to your phone and open the link to your mobile website.
© PivoTrac Monitoring Dalhart Texas

A. Summary Page: Lists all systems being monitored. All blue/purple text are links to other pages.

site - ivr: Unique name of pivot.

Current Status: Displays current status of your system with both a symbol as well as a 1 or 2 letter code.

psi: When a pressure transducer is used this shows actual system pressure.

GPS: This shows the location of the system in degrees

control: Depending on how the unit is equipped, This will allow you to do functions such as stop, stop by position, notify on position and set a daily schedule

wet/run hours: Total hours the pivot has ran wet (with water) since the viewing data starting date at the bottom

24h rain: The amount of rain that has fallen in the last 24 hours if this option is installed on the device.

By clicking on (site-ivr or current status) blue text headers, changes the order in which this information is displayed on this page and by clicking on the blue text within the columns takes the user to more pages that show further detail of each system as shown on the next few pages.

5.3 Summary-Site-Details:

Below is an example of a page the user will see by clicking on one particular pivot system.

summary map reports my profile farm notes contact help logout

5/22 10:06a

DETAILS FOR SITE: SAT+ ADVANCED

setup | site notes | control

current status s last report **about 14 hours ago**

wet/run days	45.9	crop	corn
ac in applied	17.85	variety	Hybrid
rainfall 2012	4.00	plant date	04/05/12
total	21.85	desired finish date	01/01/12
irr/week	2.68	desired finish ac/in	0
proj finish ac in	0	yield	0
		bu. per ac/in	not set

POSITION BY GPS

current position*: **41°**

speed: **stopped**

forward: **16.6** revolutions YTD

reverse: **16.6** revolutions YTD

[view graph](#)

[view history](#)

*based on last speed and direction of 41° reported 5/21 8:05p

YTD PIVOT SUMMARY

Month	Down (Days)	Dry (Days)	Wet (Days)
Apr	0	0	0
May	0	0	0
Jun	0	0	5
Jul	0	0	28
Aug	5	5	18
Sep	5	0	15
Oct	0	0	15
Nov	0	0	8
Dec	0	0	15
Jan	0	0	15
Feb	0	0	12
Mar	0	0	5
Apr	0	0	5
May	0	0	5

WATER PRESSURE - 2 WEEK

Date	PSI
05/08/2013	4.5
05/10/2013	3.5
05/12/2013	4.5
05/14/2013	4.5
05/16/2013	3.5
05/18/2013	6.5
05/20/2013	4.5



On this page the screens visible can vary in number and content depending upon the options installed on each system.

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Ontrac Owners Manual

5.4 Summary-Site-Setup:

By clicking on the setup, site notes and control tabs of the details screen the user will go into even further detail as shown next. The headers will show path to screen shown.

5/22 10:12a

summary | map | reports | **my profile** | farm notes | contact | help | logout

editing stats for Reinke Sales Sat+ Advanced

farm stats

*legal description	<input type="text" value="39N9E12S"/>	help
total acres	<input type="text" value="140"/>	help
*wet acres	<input type="text" value="116"/>	help
pivot efficiency	<input type="text" value="90"/> ▾	help
*flow rate - gpm	<input type="text" value="850"/>	help
crop	<input type="text" value="corn"/> ▾	help
variety	<input type="text" value="Hybrid"/>	help
population	<input type="text" value="800"/>	help
plant date	<input type="text" value="5"/> ▾ <input type="text" value="April"/> ▾ <input type="text" value="2012"/> ▾	help
finish date	<input type="text" value="1"/> ▾ <input type="text" value="January"/> ▾ <input type="text" value="2012"/> ▾	help
finish acre in	<input type="text" value="0"/>	help
yield	<input type="text" value="0"/>	help

rain

rain adder	<input type="text" value="4"/>	help
start rain at Jan 1	<input type="checkbox"/>	help
rain start	<input type="text" value="1"/> ▾ <input type="text" value="January"/> ▾ <input type="text" value="2012"/> ▾	help
rain finish	<input type="text" value="1"/> ▾ <input type="text" value="December"/> ▾ <input type="text" value="2012"/> ▾	help

5.5 Summary-Site-Notes:

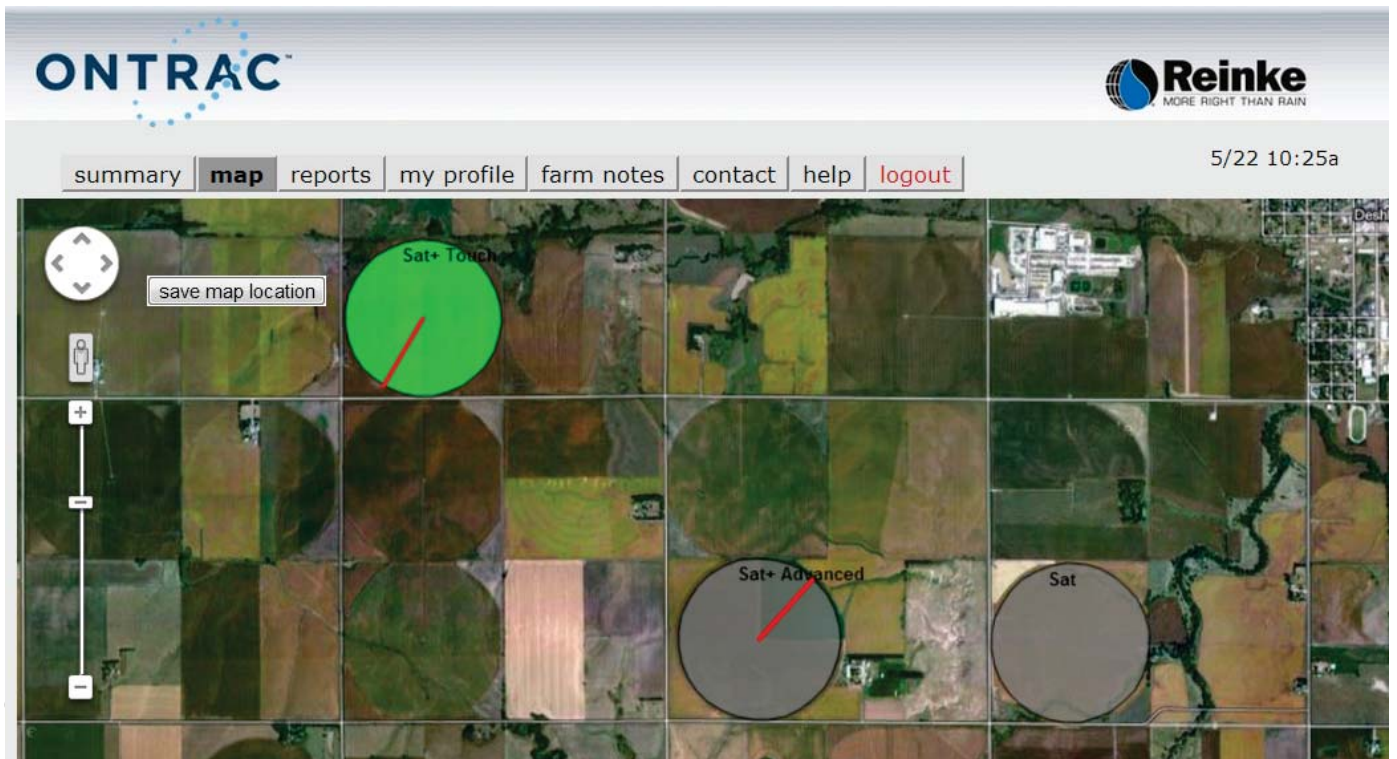
Summary-Site-Control:

The control screen is optional and not standard on the system. All buttons and displays are also optional on the control screen. If purchased at the time of setting up the system these buttons will be available, if not, they won't be available until they are purchased and installed by your dealer.

These buttons control the system remotely for starting, stopping the system and can also be used to schedule different commands to be carried out at specific times and dates by pushing the schedule button as shown. Each command sent to the system using the stop or start buttons will be on the report screen shown above right. Every command should be followed by a confirmation message of successful or delivery failure via text or e-mail depending on system set-up. Successful means the command was received failure means it was not received. If a failure happens try one more command before calling the dealer for support.

condition	command	repeat	status	time
sent	stop		in process	2.1 mins ago
	stop		executed	5/20 4:41p
	stop		executed	5/20 1:46p
	start		failed	5/17 4:29p
	start		failed	5/14 11:05a
	start		failed	5/14 8:05a
	stop		executed	5/3 10:07p
	start		executed	5/2 10:49p
	ping		executed	4/26 1:20p
	stop		executed	4/25 10:12p
	start		executed	4/25 2:00p

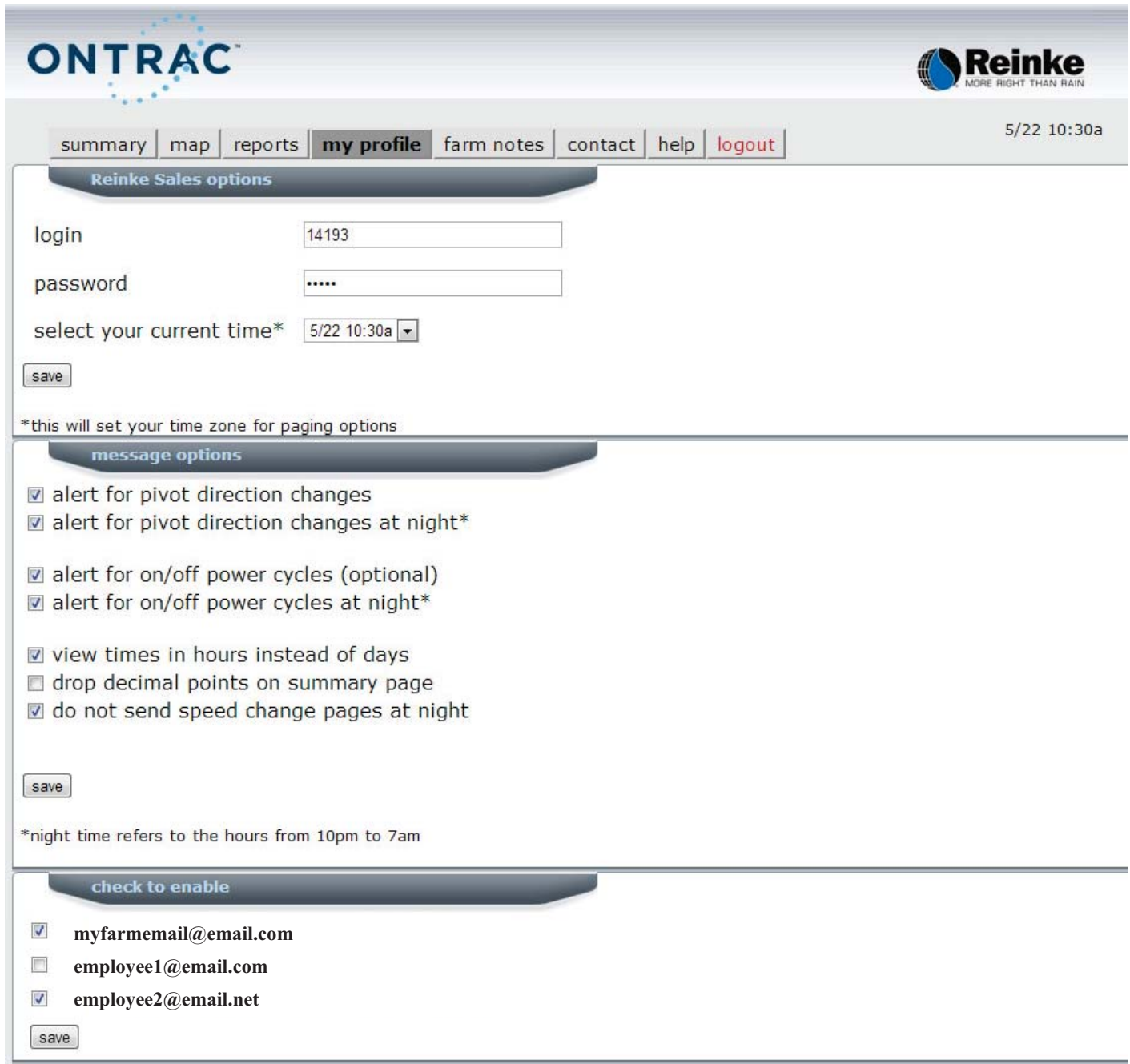
5.6 Map Page: Shows topical map of your area and locations of your systems this tab also gives the user the ability to save different maps and locations.



5.7 Report Page: Clicking on run report produces a .pdf file that could be saved.



5.8 My Profile: This is where the user changes: User Name/Login Name, Password, Time, Message Options and Pager Options.



summary | map | reports | **my profile** | farm notes | contact | help | logout

5/22 10:30a

Reinke Sales options

login: 14193

password:

select your current time*: 5/22 10:30a

save

*this will set your time zone for paging options

message options

- alert for pivot direction changes
- alert for pivot direction changes at night*
- alert for on/off power cycles (optional)
- alert for on/off power cycles at night*
- view times in hours instead of days
- drop decimal points on summary page
- do not send speed change pages at night

save

*night time refers to the hours from 10pm to 7am

check to enable

- myfarmemail@email.com
- employee1@email.com
- employee2@email.net

save

Message Options:

When checked these allow the user to control some of the messages received and when. If not checked the option is not active.

Pager Options:

This allows the user to be in control of personnel who will receive messages from the system, deselecting a phone number/name deactivates the phone number/person from receiving messages.

5.9 Farm Notes: User can put any notes pertaining to any system for future reference.

5.10 Contact: With this popup screen user can get help line phone numbers or email help desk.

To Contact Ontrac

Please call the number below or fill out the email form.

Messaging, setup + options: Reinke customer care 888-872-2360

name

email

phone

5.11 Help: This is a popup screen where the user can get the description of each tab located on the summary page.

summary page	This page is designed to give you a quick run down of what the most important numbers are. The following is a description of each of the columns.
site	Your name for your pivot, compressor, pump, dryer, or whatever you are monitoring.
current status	The last known status of your site.
time days	The amount of time that your site has been in the current status
prior status	The last known status before the current one.
wet/run days	The number of days that we record your site as running.
Optional:	
pressure	If you have a pressure transducer installed, this is where we would give you your current pressure reading in psi
flow	If you have an electronic flow meter installed and being read, this is where you would see your average flow reading.
<input type="button" value="Close Window"/>	

5.12 Logout: This is where the user logs out of the website. The user should always do this when finished working on the website to insure privacy.

6. System Maintenance

1. Year End - Winterization
 - a. Disconnect the battery from the electronic board if there is no solar panel present.
 - b. Remove the battery from the unit if winter temperatures reach 32° Fahrenheit or lower.
 - c. Store battery above 32° degrees Fahrenheit to help preserve battery life; also if system will be idle for more than a 2 month period regardless of Solar Panel installation.
2. Clean Solar Panel if option is installed. In the spring, mid summer and fall using a damp soft cloth to remove any residue buildup as residue can significantly reduce the solar panel performance.

ONTRAC™

Cellular Technology Ideal for frequent reporting and control functions. Allows for quick response times through the cellular networks.

Onboard Setup This device allows for quick setup without the need for external computers.
You can quickly change input settings and reporting frequency easily with the onboard LCD and setup menus.

Equipment Compatibility Provides remote monitoring and control on all brands of center pivots as well as other irrigation equipment.

Economic Value Ontrac Cell will provide years of reliable monitoring and control and the performance the user is looking for at an affordable cost of ownership. It is easy to maintain and scalable for future sensor integrations.

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Create reports, control your system,
or view extensive history via the internet.

Control your system via tablet, smart phone,
or any secure internet connection.



Reinke

MORE RIGHT THAN RAIN

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