



## **TRACKING WEB USER MANUAL**

**TK60178-8-OP-EN REV.6.0**

**October 11 2014**

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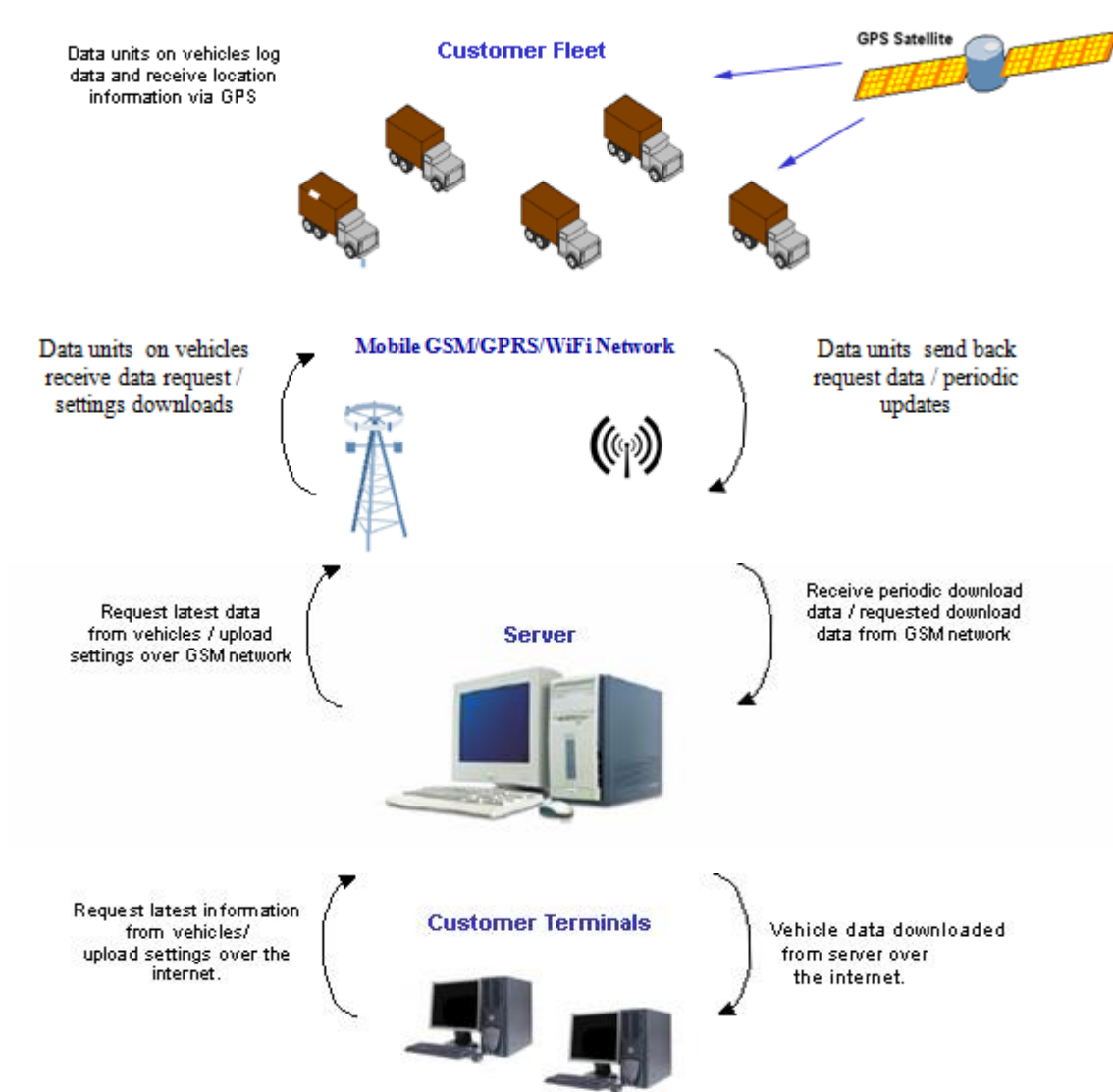
## Version Control

Revision	Date	Comments
6.0	11 October 2014	A040 release

# 1. System Overview

TracKing is an application from Thermo King powered by Celtrak which enables customers to track their vehicles/reefers in real time, to receive important data and alarms, and to generate reports on data gathered. This user manual deals mainly with how to use the TracKing software, but an understanding of how the overall system works may be helpful.

The graphic below gives an overview of the elements involved in the system, and how the data is transferred from the vehicles in the fleet to be displayed on the monitoring screens on the customer site. Click on any section for more information on how it works.



## 1.1 Customer Fleet

The customer fleet can consist of any number of vehicles. Those which need to be monitored must have the correct hardware installed by your Thermo King dealer before tracking can begin.



The hardware installed in the vehicle by your Thermo King dealers performs a number of functions:

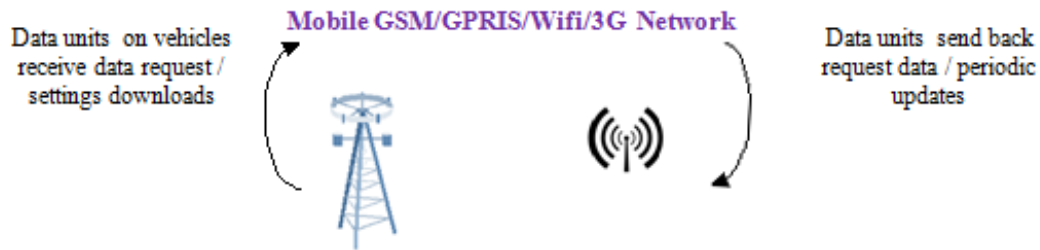
- It receives constant updates from the GPS satellite network which enables it to log the vehicles' exact location.
- It contains an array of sensors and monitoring equipment which allow it to log details such as temperature, speed and engine status.
- It is GSM-enabled which allows it to communicate the data it has logged (location data and sensor readings) back to the server at any time and from any location.

Data is transferred to the server:

- At predefined intervals.
- When a request for the latest data is received by the unit.

## 1.2 GSM/GPRS Network

The server communicates with the hardware installed in the vehicles over the GSM network. It can use a combination of SMS (short message service) messages and GPRS. GPRS allows the transfer of larger amounts of information more efficiently.



For this reason, each vehicle (or more precisely, the hardware installed in it) has a specific mobile number assigned to it. This is set up by the Thermo King dealer during installation and does not require any customer administration.

Note: Some REBs take advantage of 3G networks, reducing message transmission duration. For further information about Wi-Fi, including Infrastructure recommendations, see TK 55065 REB Diagnostic Manual or contact your local Thermo King Dealer.

## 1.3 Thermo King Server

The server sits at the heart of the TracKing system. It provides the interface between the monitoring software run in browsers on customer sites, and the customer fleet.



The server also stores configuration detail and user settings so that a user can log on at any PC terminal and experience the same user interface and personalised settings.



## 1.4 Customer Terminals

Customers can monitor their fleet activity using the TracKing application. It can be run on Internet Explorer 8.0 or higher, and Firefox 3.5 or higher by logging into the Tracking site with a valid username and password.



Clicking the update button within the application will send a request for the most up-to-date vehicle data to the server. Where necessary, the server will forward the request to the vehicle. When available, the data is downloaded to the customer terminal and displayed in the relevant pages.

## 2 Login Page

To begin using the TracKing monitoring software, first log into the TracKing system as follows:

- 1) Open a web browser (For example, Internet Explorer or Mozilla Firefox).
- 2) Navigate to [www.tktracking.com](http://www.tktracking.com). You will be presented with the following login page:



- 3) Enter your Username and Password.
- 4) Select your preferred language from the drop-down menu.
- 5) Click the LOGIN button. This will open the main [TracKing](#) page.

**Note:** If you do not have a valid Username and/or Password, please contact your system administrator.

## 2.1 User Levels

The system caters for a number of different levels of user. Your user level is determined by your User Role. Each role has a defined degree of access to system features, in particular the options available on the Administration page.

All users can access the tracking features.

The table below shows the different levels available, and an indication of what degree of access they allow:

### User Role Descriptions

User Role	Description
Basic User	User can poll vehicles, view vehicle data, set up operations data and retrieve logger downloads.
Customer Administration	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and perform user administration.
Maintenance	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands.
Maintenance With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands including Remote On/off.
Operations Manager	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands and perform user administration.
Operations Manager With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands including Remote On/off and perform user administration.

Operations data refers to the adding, editing and deleting of Contacts, Points of Interest, Geofences, some limited vehicle data, custom and scheduled reports.

**Note:** If you feel that you do not have the correct level of access, please contact your system administrator.

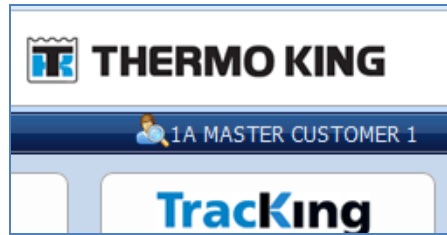
### Customer Types

There are 3 types of customers:

1. Standard: These customers are not involved in renting vehicles.
2. Master: This customer rents out vehicles to sub-customers. A master customer can view their own data and that of their sub customers.
3. Sub: These customers rent their vehicles from a master customer and only have access to view their own data.

## Master Customer

If you are logged onto TrackKing as a master customer, you can simulate logging on as a sub-customer. The customer that you are simulating is displayed on the top right-hand corner of the Tracking List.



To switch to another customer, click the customer on the top right-hand corner. The Select Customer screen appears. This contains a list of all your sub customers. Search and select a new customer. Then, save the selection. You will now be simulating the selected customer. This means you can see the selected customer's data.



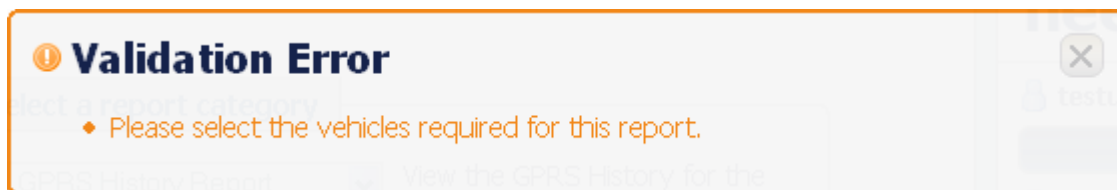
## 2.2 Error Messages

To ensure that data is inputted correctly to the system, checks are done in software on the values entered into the data fields on pages requiring user input. Similarly, any changes to the system configuration (add/edit/delete) are cross-checked to ensure that they will not adversely affect another setting. If any problems are anticipated, the system will generate an error message to alert the user to potential problems.

To close an error message, click on the 'X' in the top right-hand corner of the message box.

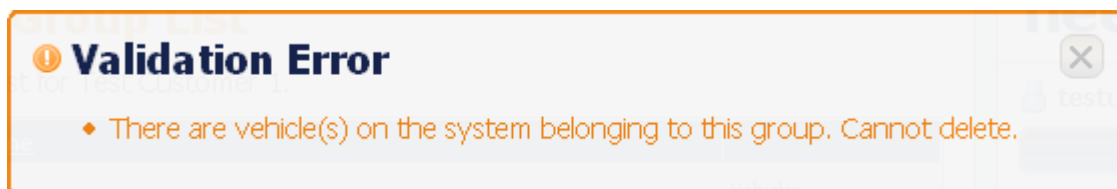
### Example 1

If a user tries to generate a report without selecting any vehicles, a validation error will be displayed advising the user to select vehicles:



### Example 2

If a user attempts to delete a vehicle group from the system which still has vehicles assigned to it, the system will alert the user with the following error message:



### 3 Connectivity Functions Matrix

The table below shows the TracKing GPRS functional features which are available for different models.

	SR2/3/ 4-HMI	SR2/3/4 -DAS	μP-VI w/ DAS	μP-VI	μP-V w/ DAS	μP-IV MT w/ DAS	μP-IV MT	TG-VI w/ DAS	TTMT w/ DAS	μP-T w/ DAS
1. Display of SP (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2. Display of RA (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3. Display of DA (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
4. Display of independent sensors	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES
5. Display of alarms (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
6. Display of OP-mode (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	NO	YES	NO
7. Display of unit mode( Cycle Sentry/Cont)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
8. Display of Hour meters	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
9. Display of Fuel level *	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
10. Display of Door status	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
11. Display Battery voltage	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
12. Display of Ambient temperature	YES	YES	YES	YES	NO	YES	YES	NO	NO	NO
13. Display of position	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
14. Display of date/time	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
15. Display of Speed	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
16. Change of SP	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
17. Initiate Defrost	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
18. Initiate Pre-Trip	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
19. Clear Alarms	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
20. Change Unit Mode	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
21. ON-OFF Two-Way	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
22. Geo fencing	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
23. Scheduled-daily Download OTA	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
24. Wake-up Capability( SCOM-DPD/x-Wake)	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES
25. On-demand Download	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
26. Alarm Notification	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

\* - Fuel visibility only possible when using the correct fuel gauge

## 4 Main Page

Once logged in, you are presented with the main TracKing page, as shown below:


The screenshot shows the TracKing main page interface. At the top, there is a navigation bar with the TracKing logo and a 'THERMO KING' logo with a gear icon. Below the navigation bar, there is a 'Tracking List' section. The list includes a table with the following columns: Vehicle, Icon, Date & Time, Last Known Position, Power, Speed, Ambient Temp, Alarm Code, SP 1, RA 1, S1, Mode, Fuel Level, and Engine Hours. The table contains several rows of data, including vehicles like 'AMG Test Vehicle 0', 'Razor DAS 1', 'Razor SR3 +353860143449', 'REB CRYO 1', 'Razor uPIV via DAS', 'REB SR4 Simulator', 'REB\_Ed\_SR3\_2', 'Razor UpVI via DAS', '+353863899540', '+353864618609 LMU3000 MaireMcAndrew', and '+15707865495 Ed Flahive Kore Test Sim'. Below the table, there is a 'Clear Messages' button.

The main page contains the features listed below. Click on a heading for more information on any feature:

### Menu Bar

This provides links to the different pages within TracKing: Track Vehicles; Maps; Data Management; Administration; Preferences and Alarms.

### Vehicle Selection Menu

The vehicle selection menu slides out when the user hovers over this vehicle selection menu icon . It contains a list of the vehicles configured on the customer's system.

### Gearbox


This panel is displayed on the top right hand of all pages. It identifies the logged in user and their preferences. You can also access 1-click reports from this menu too. 1-click reports are described in more detail later. You can logout by clicking on the gearbox at the top right-hand corner and selecting Logout from the dropdown menu.

### Page Footer Icons


The icons in the page footer give the user access to Contact information and this User Manual.

## 4.1 Vehicle Selection Tree

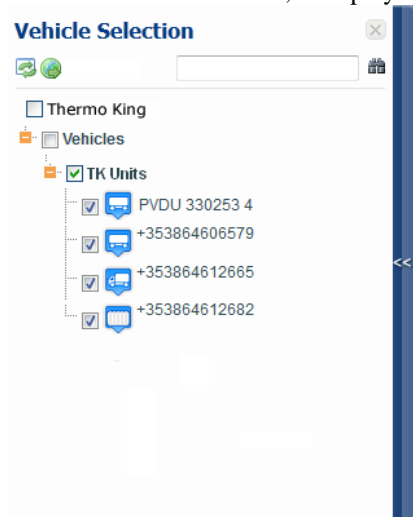
This slide-out menu is available on all pages and allows the user to see all the vehicles configured on their TracKing system. Depending on the system configuration, the vehicles may be arranged in groups. Tick boxes are provided for each vehicle and group to enable the user to select which vehicles/groups will be displayed on the current page (for example, in the tracking list or on the map).

**Note:** After selecting vehicles, the user should click the Refresh icon  to update the data in the main browser window before exiting the Vehicle Selection menu.

### Accessing the Vehicle Selection Tree

1) To access the menu, hover over the navy bar  at the side of the browser window.

When the menu slides out, it displays a list of vehicle icons, as shown below:



2) To close the menu:

- Click on the navy bar again, or,
- Click in the main browser window, or,
- After a short period of inactivity, the menu will close automatically.

### Selecting Vehicles

The user can select/deselect all vehicles at once, as a group or individually by checking the box at the appropriate level.

To select a vehicle to include in the display on the current page, tick the box next to it.

Vehicles can be located by scrolling through the list or using the search option.



## Icons

There are a number of icons displayed within the menu to help the user. The icons provide the following functions:



**Refresh:** Click here to refresh the data displayed on the current page.



**Confirm Map Selections:** Click here to go to the map page and confirm the vehicle selections.



**Search:** Enter a full or partial name or number in the text box, and then click this icon to search for a vehicle. Any matches are highlighted in blue for easy identification as the user scrolls through the list.

## 4.2 1-Click Reports

The 1-Click Reports feature gives the user easy access to fleet data. The report can be viewed in the browser window, and if required, exported to an Excel, PDF or RTF file.

To navigate to the 1-click reports, click on the gearbox on the top-right hand corner. The 1-click reports appear in the dropdown list.

There are two report options available:



### 1. Current Fleet Report

Click the Current Fleet Report link to generate a report on all vehicles. The data will be displayed as shown in the screenshot below.

### Current Fleet Report ✕

**Current Fleet Report**

**Preferences**  
 Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	Door Lock	SP1	RA 1	SP2	RA 2	S1	S2	S3	S4	Unit Power	Unit Mode	Unit Alarm	Door 1	Engine Hours	Fuel Level	Battery Voltage
07/02/2014 16:35:12	REB Joe +353860407137	Bothar Na Dtreabh (NS), At Celtrak, IRL	1		39	36.3			33.6	39.9	38.1	28.1	On	CS	Yes	O	1089	900	13.03
07/02/2014 17:12:59	REB Joe +353864614031	Bothar Na Dtreabh (NS), At Celtrak, IRL	0										Off		Yes				

2 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

## 2. 24 Hr Reefer History Report

Click the 24 Hr Reefer History Report to see the information logged for a particular reefer in the preceding 24-hour period. The data is displayed as follows:

### 24 Hour Reefer Fleet History Report X

**24 Hour Vehicle History Report**

**Preferences**  
 Temperature Type: Celsius  
 Time Zone: Greenwich Mean Time  
 Speed Type: KPH

Date & Time	Vehicle Name	Position	Speed	SP1	SP2	SP3	S1	S2	S3	S4	S5	S6	Unit Power	Unit Alarm	Fuel Level	Zone 1 Door Open	Zone 2 Door Open	Zone 3 Door Open	Operating Mode for Zone 1	Operating Mode for Zone 2	Operating Mode for Zone 3
04/05/2008 17:27:40	TRANSCAN 6091739	<a href="#">0.23 km West of TestPOL, IRL</a>	0				30.5	31.1						No		C	0				
04/05/2008 17:29:52	TRANSCAN 6091739	<a href="#">0.22 km West of TestPOL, IRL</a>	0				31.1	31.8						No		C	0				
04/05/2008 17:31:55	TRANSCAN 6091739	<a href="#">0.22 km West of TestPOL, IRL</a>	0				33.1	34.3						No		C	0				
04/05/2008 17:33:58	TRANSCAN 6091739	<a href="#">0.23 km West of TestPOL, IRL</a>	0				33.8	35.1						No		C	0				
04/05/2008 17:36:01	TRANSCAN 6091739	<a href="#">0.23 km West of TestPOL, IRL</a>	0				32.1	33.1						No		C	0				
04/05/2008 17:38:04	TRANSCAN 6091739	<a href="#">0.22 km West of TestPOL, IRL</a>	0				30.7	31.5						No		C	0				

703 items found, displaying 1 to 50.

[ < First / Prev ] 1, 2, 3, 4, 5, 6, 7, 8 [ Next / Last > ]

Export options: Excel | PDF | RTF

## 3. Exporting Data to File

To export the data for saving or easier viewing, click the preferred file option (Excel, PDF or RTF) link at the bottom of the report, and save the file to the desired location.

## **4.3 Menu Bar**

The Menu Bar is displayed on every page of the TrackKing application. It allows the user to navigate quickly around the system. By default, the application opens on the Track Vehicles page.

### **Track Vehicles**

This page displays a list of the vehicles being tracked with the most recently received data displayed for each one.

### **Maps**

This page displays vehicle locations, Points of Interest and other system items as icons on an integrated map.

### **Data Management**

This section enables the user to generate reports on a wide range of the data collected by the system.

### **Administration**

The administration page provides access to the tools available for setting up and maintaining the system.

### **Preferences**

This page gives the user the option of setting system preferences.

### **Alarms**

The alarms page displays recent alarms and allows the user to acknowledge them.

### **Dashboard**

The dashboard displays visual information related to a selected vehicle.

### **Logout**

This link allows the user to logout.

## 5 Track Vehicles

The Track Vehicles page displays a list of customer vehicles which have been selected in the [Vehicle Selection tree](#).

The ability to zoom in or out is controlled by your browser, so varies depending on what browser you are using.

The screenshot shows the 'Tracking List' interface. At the top, there is a navigation bar with 'TRACK VEHICLES' selected. Below the navigation bar, the 'Tracking List' title is displayed along with a 'Show 50 entries' dropdown and navigation buttons (First, Previous, 1, Next, Last). A 'Filters' input field and 'Columns' and 'Save Columns' buttons are also present. The main content is a table with the following columns: Vehicle, Icon, Date & Time, Last Known Position, Power, Speed, Ambient Temp, Alarm Code, SP 1, RA 1, S1, Mode, Fuel Level, and Engine Hours. The table contains several rows of data, including vehicles like 'JAMG Test Vehicle 0', 'Razor DAS 1', 'Razor SR3 +353860143449', 'REB CRYO 1', 'Razor uPIV via DAS', 'REB SR4 Simulator', and 'REB\_Ed\_SR3\_2'. A 'Clear Messages' button is located at the bottom of the table area.

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours
JAMG Test Vehicle 0		09/17/14 10:39:36 AM	Vet Clinic, IRL	On	49	25.0	043	0	0.0	0.0	Cycle-Sentry		900
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9905*	6	24.6		Continuous	1000	
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	177	6	24.8		Continuous		
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9905*	6	24.5	26.3	Continuous	1000	
Razor uPIV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	37*	6	-14.7	-39.4	Cycle-Sentry		2694
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	599*	2	-23.4	-40.1	Cycle-Sentry		0
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9905	-3	-4.1	2.1	Continuous		12
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8		4	-23.9	32.1	Continuous		
+353863899540		No Data	No Satellite Coverage										
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry		
+15707865495 Ed Flahive Kore Test Sim		No Data	No Satellite Coverage										

### Tracking List

This list forms the main body of the window. It lists the vehicles currently being tracked by the TracKing system which are selected in the [Vehicle Selection Tree](#). The list sequence can be reordered by dragging and dropping the column headers. The data can be sorted by clicking a column header. Columns can be added or removed by clicking the Columns button. Refer to the [Tracking List](#) page for a more detailed explanation of what data can be displayed.

### Vehicle Selection Tree

Click on the icon to use this slide-out menu to choose which vehicles to include in the Tracking List.

### Message Window

This window at the bottom of the screen displays messages whenever a request for data is sent to a vehicle.

## 5.1 Tracking List

The Tracking List shows those vehicles which have been selected for display in the Vehicle Selection Menu.

**Tracking List**

Show 50 entries

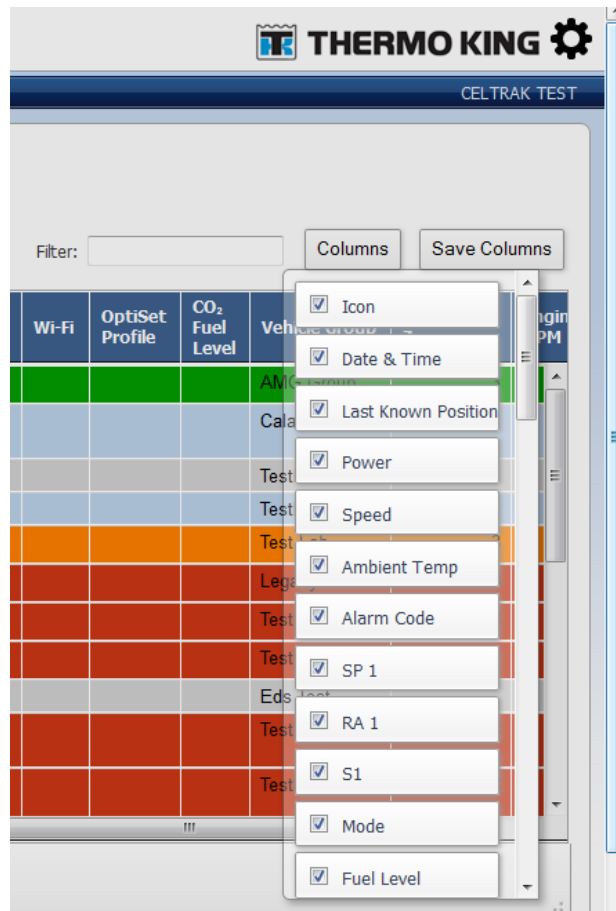
First Previous 1 Next Last

Filter:  Columns Save Columns

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours
AMG Test Vehicle 0		09/17/14 10:39:36 AM	Vet Clinic, IRL	On	48	25.0	9005*	0	0.0	0.0	Cycle-Sentry		900
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9005*	6	24.6		Continuous	1000	
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	177	6	24.8		Continuous		
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.5	26.3	Continuous	1000	
Razor uPIV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	37*	6	-14.7	-39.4	Cycle-Sentry		2694
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	509*	2	-23.4	-40.1	Cycle-Sentry	0	
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9005	-3	-4.1	2.1	Continuous		12
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8					Continuous		
+353863899540		No Data	No Satellite Coverage										
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry		
+15707865495 Ed Fiahive Kore		No Data	No Satellite Coverage										

### Column Headings

The Tracking List is customizable. There are many details belonging to a vehicle that can be displayed. These are represented by column header. Columns can be added or removed by clicking on the Columns button to the top-right or the Tracking List.



At the end of the column list, there is an All button, which selects all the columns and a None button, which de-selects all the columns.

## Filter

The filter text boxes returns rows on the Tracking List that match the specified data.


There are some limitations:

- The filter returns rows, even if the data match is found on hidden columns
- The filter does not support Icons or data displayed in a tooltip, e.g., alarm code text.

## Save Columns

The Save Columns button saves the current Tracking List configuration for the user. Configuration consists of column sorting, column ordering and column visibility, so that the next time that user logs on, the saved Tracking List configuration shall load.

## Sorting Columns

Data in the Tracking List can be sorted by clicking any column header. One of the following arrows will appear at that column header.  This indicates the column that the tracking data is sorted by and whether in ascending or descending order.

The four most important columns are:

- **Vehicle:** This displays the name of the vehicle as defined in the system administration. Clicking on the vehicle name brings the user to the Edit Vehicle page. The vehicle name cannot be hidden and cannot have its position altered, i.e., the Vehicle column cannot be dragged to another location on the list.
- **Last Known Position:** This states the last confirmed location of the vehicle. Clicking on the Last Known Position brings the user to the location on the map.
- **Date:** This displays the date and time at which the last valid data was received from the vehicle. Clicking on the Date column will request the vehicle to send in an update.
- **Wi-Fi:** If the vehicle is communicating via Wi-Fi an icon is displayed in the Wi-Fi column

## Ordering Columns

Columns can be re-ordered by dragging and dropping them by the header. Simply, left-click the mouse on one of the column headers, hold down the left mouse button and drag the column to the desired location. Then, release the mouse. The column will now appear in that order.

## Colour Coding

The colour of the vehicle information gives us additional information on the status of the trailer.

- **Red** – At least 1 Red Alarm is reported on the Telematics Unit in the last message to the Server. Red, Orange and Green Alarms can be included in the message.
- **Orange** - At least 1 Amber/orange Alarm is reported on the Telematics Unit in the last message to the Server. Only Orange and Green Alarms can be included in the message.
- **Green** – At least 1 Green Alarm is reported on the Telematics Unit in the last message to the Server. Only Green Alarms are included in the message.
- **Blue**: - No Alarms are on the Telematics Unit in the last reported message.

**Tracking List**

Show 50 entries

First Previous 1 Next Last

Filter:  Columns Save Columns

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours	DA
MAG Test Vehicle 0		09/17/14 10:39:35 AM	Vet Clinic, IRL	On	49	25.8	9005*	0	0.0	0.0	Cycle-Sentry		500	
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9005*	6	24.6		Continuous	1000		
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	177	6	24.8		Continuous			
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.5	26.3	Continuous	1000		
Razor uPIV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	37*	6	-14.7	-39.4	Cycle-Sentry		2694	
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	509*	2	-23.4	-40.1	Cycle-Sentry	0		
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9005	-3	-4.1	2.1	Continuous		12	
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8		4	-23.9	32.1	Continuous			
+353863899540		No Data	No Satellite Coverage											
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry			
+15707865495 Ed Flahive Kore		No Data	No Satellite Coverage											

If alarms are present, they will display in the Alarm Code column. A hover-over provides more details.

**Tracking List**

Show 50 entries

First Previous 1 Next Last

Filter:  Show / hide columns

Vehicle	Icon	Date	Last Known Position	Power	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours	DA
CeltrOS (Debian Wheezy)												
Joe Mc		No Data	No Satellite Coverage									
Mickey (Nissan Micra) Eric		No Data	No Satellite Coverage									
Razor 0406468		11/29/99 6:00:00 PM	No Satellite Coverage	Off								
Razor DAS 1		09/11/14 4:04:43 AM	Standard Printers, IRL	On	177						1000	
Razor TKDL 1		No Data	No Satellite Coverage									
Razor uPIV via DAS		09/11/14 4:06:25 AM	Standard Printers, IRL	On	66*	4	-14.8	-39.5	Continuous		2694	
Razor UpVI Direct Connect		09/11/14 4:06:21 AM	Standard Printers, IRL	On		4	-23.9					

Clicking on the alarm, brings the user to the Alarms page, where more details about each alarm are displayed.

## Alarms

Displaying all unacknowledged alarms from the last 60 days.

Alarms greater than 60 days old can be viewed in the Alarm History Summary Report.

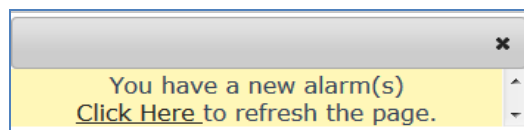
<input type="checkbox"/>	Vehicle	Alarm Type	Zone	Pre-Trip	#	First Logged	Last Logged	Last Known Position
<input type="checkbox"/>	Razor DAS 1	177 Check Tank Pressure Sensor			2172	09/03/14 8:01 PM	09/11/14 4:28 AM	Bothar Na Dtreabh (N6), 0
<input type="checkbox"/>	Razor DAS 1	9005 Temperature out of range	1		1662	09/03/14 8:01 PM	09/11/14 4:03 AM	Bothar Na Dtreabh (N6), 0
<input type="checkbox"/>	Razor DAS 1	98 Check Fuel Level Sensor			1889	09/03/14 8:01 PM	09/10/14 5:58 AM	Bothar Na Dtreabh (N6), 3

3 items found, displaying all items.

Confirm  Cancel

Alarms can be acknowledged by checking the alarm and hitting Confirm.

If another alarm comes through, a notification will appear on the page with an option to refresh the page.





### Icon

The icon used and its colour has significance in the vehicle tracking list. The following table summarises this information.

ICON Type	Colour
Bus	<b>Blue:</b> Unit has not communicated over GPRS for more than 20mins <b>Green:</b> Trailer/Vehicle moving greater than 2mph. <b>Orange:</b> Trailer/Vehicle not moving and Controller Power (reefer) on. <b>Red:</b> Trailer/vehicle not moving and Controller Power (reefer) off.
Container	
Tractor	
Truck	
Van	
Trailer	

### Alarm Code

This displays whether any alarm was reported in the last message received by the Server. By clicking on the Icon, the user is brought to the "Alarms" webpage, where all unacknowledged alarms for all vehicles will be displayed.

- Red Icon At least 1 Red Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Red, Orange and Green Alarms can be included in the message.
- Orange Icon At least 1 Amber/orange Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Only Orange and Green Alarms can be included in the message.
- Green Icon At least 1 Green Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Only Green Alarms are included in the message.
- No Icon - No Alarms are on the Controller or Telematics Unit in the last reported message.

If you hover over the alarm icon, a description of the alarms will pop up:

Alarm Code	SP 1	RA 1	S1	Mode	F L
9005*					
9005 Temperature out of range(Z1) 177 Check Tank Pressure Sensor					
9005*					
12	0	0.0	0.0	Cycle Sentry	

An \* after the alarm code indicates that more than 1 alarm is present.

Zone information will be displayed if the alarm is specific to a zone (Z1-Z3). (P) means the alarm was raised while the unit was in pre-trip mode. (G) means the alarm is guarded.

If you click directly on an alarm icon, you will be brought to the Alarms page, where more details of any alarms for that vehicle are displayed:

**Alarms**  
 Displaying all unacknowledged alarms from the last 60 days.  
 Alarms greater than 60 days old can be viewed in the Alarm History Summary Report.

<input type="checkbox"/>	Vehicle	Alarm Type	Zone	Pre-Trip	#	First Logged	Last Logged	Last Known Position	User
<input type="checkbox"/>	AMG Test Vehicle 0	30 Defrost Damper Stuck Closed			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	20 Engine (Vapor Motor CR) Failed to Start			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	10 High Discharge Pressure or Temp			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	28 Pre-trip or Self-Check Abort			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	32 Refrigeration Capacity Low			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	43 Unit Forced to Low Speed Modulation			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	

6 items found, displaying all items.

Confirm  Cancel

## Lock

Some unit may have a door lock attached and this will be represented by a lock icon.

The symbol denotes that the vehicle has a door lock fitted, the door is currently locked and the Telematics unit is in Conservative, Countdown or ON mode. If this button is clicked, an unlock command shall be sent to this unit. A tool tip shall display “door is locked” for this symbol

The symbol denotes that the vehicle has a door lock fitted, the door is currently unlocked and the Telematics unit is in Conservative, Countdown or ON mode. If this button is clicked, a lock command shall be sent to this unit. A tool tip shall display “door is unlocked” for this symbol.

If either icon is clicked, a pop up shall appear to the user asking them to confirm that they want to lock or unlock the door and that this is an additional cost if sent via SMS. Door Lock checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

## Last Known Position

This states the last confirmed location of the vehicle. If "No Satellite Coverage" is displayed, this means the vehicle is in an area of poor GPS coverage or may not have the GPS antenna attached. The tool tip for last known position shall display a more detailed location information.

By clicking on the text, the user is brought to the Maps section of the website. The selected vehicle is shown on the map. This is a new feature and replaces the Map icon in the current system and saves column space on the Tracking List. If a unit is out of GPS coverage and displays “No Satellite Coverage”, then the maps link shall not be enabled. The Text colour shall follow a standard link colour on the website and shall not change due movement and reporting status.

## Power

This shows whether the Controller device connected to the Telematics Unit is On or Off.

### SP 1

This shows the Setpoint for the Zone 1 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

### SP2

This shows the Setpoint for the Zone 2 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

### SP3

This shows the Setpoint for the Zone 3 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

## Date & Time

This displays the date and time at which the last valid data packet was received from the vehicle.

By clicking on the timestamp, an SMS request is sent to the Unit, asking for a current status message to be sent to the Server immediately, outside of its standard logging interval. An SMS charge will apply to the customer for using this request. The Ping request can be tracked on the Command History Report. The tool tip displays "Get Data for this vehicle".

## Wi-Fi

This column displays the Wi-Fi icon if the Telematics unit has reported any message via Wi-Fi in the last 5 minutes. If a vehicle is in Wi-Fi, then Two Way commands shall be sent to the Vehicle via Wi-Fi. Currently, only some REBs have Wi-Fi capability.

For further information about Wi-Fi, including Infrastructure recommendations, see TK 55065 REB Diagnostic Manual or contact your local Thermo King Dealer.

## Optiset Profile

This is the current Named Optiset™ temperature profile currently running on the Unit.

This is only displayed on REBs that have their Controller information available. If a REB is not using a named temperature profile and if this is any other Telematics units, this cell displays a blank value.

## RA 1

The Return Air 1 is the temperature reading in zone 1 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

## RA 2

The Return Air 2 is the temperature reading in zone 2 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be  $> -35$  for it to be displayed.

## RA 3

The Return Air 3 is the temperature reading in zone 3 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be  $> -35$  for it to be displayed.

## DA 1

The Discharge Air 1 is the temperature reading in zone 1 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be  $> -35$  for it to be displayed.

## DA 2

The Discharge Air 2 is the temperature reading in zone 2 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be  $> -35$  for it to be displayed.

## DA 3

The Discharge Air 3 is the temperature reading in zone 3 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be  $> -35$  for it to be displayed.

## OP 1

This details the Operational mode of the controller in zone 1. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

## OP 2

This details the Operational mode of the controller in zone 2. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

## OP 3

This details the Operational mode of the controller in zone 3. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

## Mode

This describes the Engine mode of the refrigerated vehicle. It is only shown when the Controller Information is available or an Ignition off event. This can be set to the following modes:

- **C** – Short for Continuous. The engine will always be on and regulating air temperature. C is shown on reports, while Continuous is displayed on the Tracking List.
- **CS** – Short for Cycle Sentry. The engine runs efficiently and turns off when desired temperature is reached. The controller will monitor return air and when a tolerance is reached, the engine will turn on again. CS is shown on reports, while Cycle Sentry is displayed on the Tracking List.

## Door 1

This shows whether a fitted Door in zone 1 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

## Door 2

This shows whether a fitted Door in zone 2 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

## Door 3

This shows whether a fitted Door in zone 3 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

## Engine Hours

This indicates the total number of hours that the refrigeration unit is powered by the engine over its life time. It is displayed if Controller information is available.

## Port A

Port A displays the device connected to the Telematics unit on Port A.

It shows the name the device connected to Port A, whether the device is connected via DAS or DAS IV and the version of firmware that the device is running (if available).

If a communication issue occurs between the Telematics Device and the TK device connected on port A, the word 'Disconnected' will be displayed after the TK Device information, if device information available.

## Port B

Port B displays the device connected to the Telematics unit on Port B.

It shows the name the device connected to Port B, whether the device is connected via DAS or DAS IV and the version of firmware that the device is running (if available).

If a communication issue occurs between the Telematics Device and the TK device connected on port B, the word 'Disconnected' will be displayed after the TK Device information, if device information available.

## Vehicle Group

This indicates the vehicle group that the vehicle belongs to.

## Speed

This displays the speed of a vehicle when it last reported to the website. It can be displayed in Mph or Kph depending on the User's preferences.

## Ambient Temp

This indicates the ambient temperature that the refrigeration unit sensor is reading. It is displayed if Controller information is available. This can be displayed in Celsius or Fahrenheit depending on the user's preferences.

## Fuel Level

This shows the Fuel Level of a Reefer. Fuel Tank size must be greater than 0 on the Vehicle Maintenance webpage or a blank value shall be displayed. Fuel Level is displayed if Controller information is available and if the fuel sensor is connected to the Controller. If the fuel sensor is connected to the REB, it shall only be displayed if REB is in Full On or Countdown power modes. This can be displayed in Litres, Imperial or US gallons depending on the user's preferences.

## **S1, S2, S3, S4, S5, S6**

These represent the temperature value that independent data logger (DAS, HMI or TKDL) temperature sensors are reading. Values from active sensors connected to the data logger are displayed on this line.

There are up to 6 sensors supported, ranging from S1 to S6. A blank value shall be displayed if the sensor is not supported or logger information is not available to the Telematics device, i.e., the Logger must be in Countdown or On mode. Controller Ignition status is irrelevant.

Logger sensor values cannot be greater than 40 degrees Celsius. If a data logger sensor value of greater than 40 degrees Celsius is received from the unit, the logger sensor label and its value will not be displayed.

Logger sensor values cannot be less than or equal to -45 degrees Celsius. If a data logger sensor value of less than or equal to -45 degrees Celsius is received from the unit, the logger sensor label and its value will not be displayed. The maximum value is 100C.

The loggers supported are HMI, DAS and TKDL.

## **Electric Hours**

This indicates the total number of hours that the refrigeration unit is powered by the electric motor only for a vehicle over its life time. It is displayed if Controller information is available.

## **Battery Hours**

This indicates the total number of hours that a Cryotech unit battery has been running for. It is displayed if Controller information is available and the unit is connected to a Cryotech device.

## **Total Hours**

This indicates the total number of hours that the refrigeration unit is on using the null, battery and engine power for a vehicle over its life time. It is displayed if Controller information is available.

## **Battery Voltage**

This indicates the Battery Voltage of the Controller when ON. It is displayed if Controller information is available.

## **Odometer**

This indicates the total distance travelled by a vehicle over its life time. It is only available for tractor (Canbus) vehicles.

## **Telematics**

This describes the type of installed telematics device and the version of firmware that the telematics device is running. A device can have a value of CT 4.5, DataPod, Razor or REB. A blank string is shown if the fitted device is unknown.

### **CO<sub>2</sub> Fuel Level**

This shows the CO<sub>2</sub> of a Reefer connected to a Cryotech unit. Cryotech CO<sub>2</sub> Tank Size must be greater than 0 on Vehicle Maintenance webpage or a blank value shall be displayed. CO<sub>2</sub> Fuel Level is displayed if a fuel sensor fitted and Controller information is available and the unit is connected to a Cryotech device.

### **Configured Zones**

This indicates the number of configured zones on a reefer. For Single Temp vehicles, this shall always default to 1. For Multi Temp vehicles, the number of configured zones shall be determined by the Controller and passed to the Server. If a vehicle only has 2 zones, then the 3rd zone is assumed to not be configured. If a vehicle only has 1 zone, then the 2nd and 3rd zones are assumed to not be configured.

Configured zones are only displayed if Controller information is available.

### **Engine RPM**

This indicates the Revs Per Minute of the reefer at the exact moment the unit has generated the temperature message. It is displayed if Controller information is available.

### **Power Source**

This describes how the refrigeration unit is powered. It can be Diesel, Electric or Cryo.



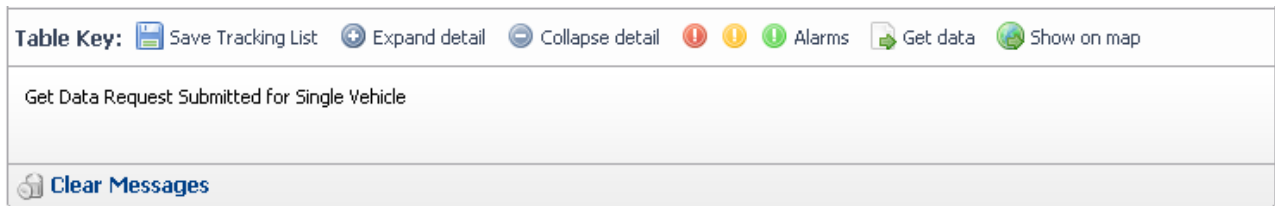
## 5.2 Messages Window

This window at the bottom of the [tracking list](#) displays messages whenever a request for data is sent to a vehicle.

If the vehicle is contactable, it will display a sequence of messages which show the connection being set up. It does not display the actual data being downloaded.

All messages generated for the customer fleet are displayed in this window, regardless of whether they are initiated by the person logged into the current terminal, or by another system user elsewhere.

The screenshot below shows a message being displayed when the user clicks the 'Get Data' icon for a vehicle in the tracking list.



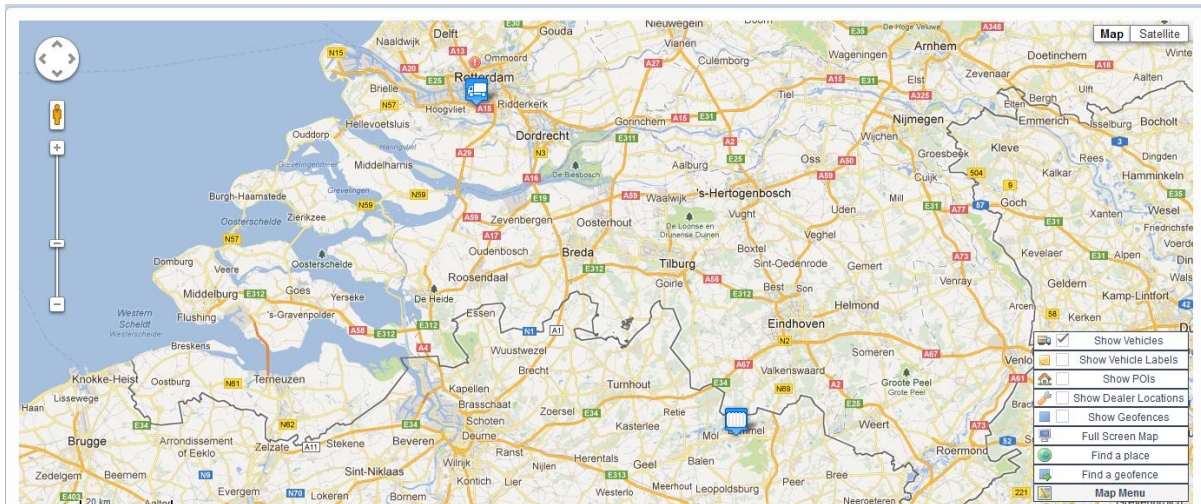
### Clear Messages

Use the Clear Messages button to clear all the messages displayed in this window.

## 6 Maps

The Maps page in TracKing displays an integrated map. The user can choose to view vehicle locations, Points of Interest and any other mapping features which are enabled.

The screenshot below shows an example of a map display.



### 6.1 Map Menu

The Map Menu is located at the bottom right corner of the screen, and becomes visible when the user hovers over the Map Menu Icon **Map Menu**. From here, the user can toggle on and off options to display on the maps screen (vehicles, vehicles labels, Points of Interest, Dealer locations and Geofences).

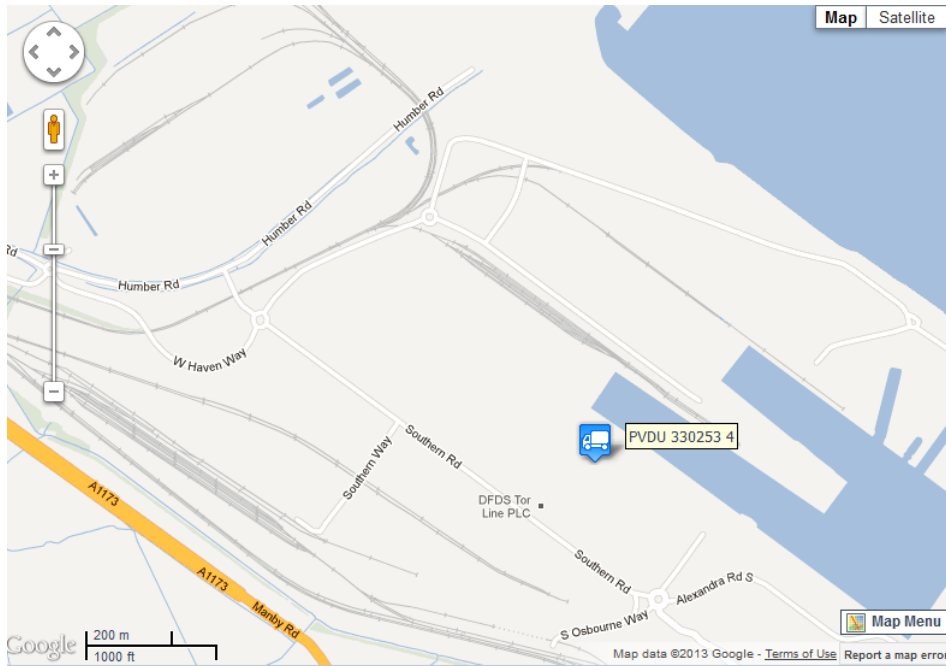


### 6.2 Labels

To toggle label display on/off, click the label icon  **Show Vehicle Labels** in the **Map Menu**.

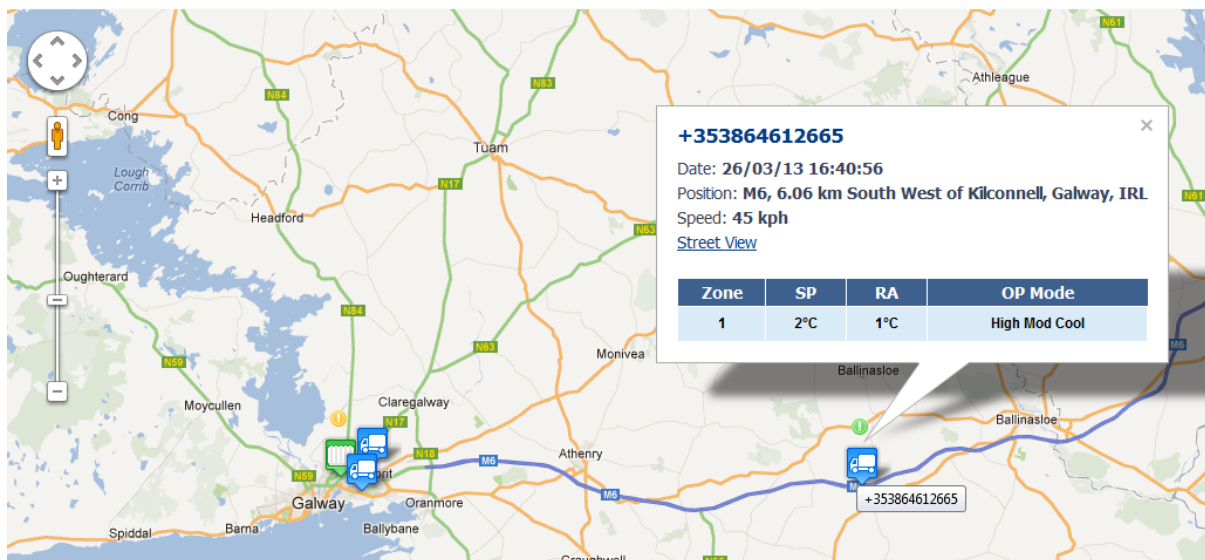
Labels show the name of a vehicle next to the vehicle icon so that it is more quickly identified than clicking on it to open an information balloon.

The screenshot below shows vehicles with their associated labels displayed.



### 6.3 Vehicle Information

When a user selects a vehicle, an information window for the vehicle is displayed. This window shows position information, speed, temperature information and its operations mode. If available, the user can also select a Google Street View from this information prompt or from the Google ‘Pegman’ control on the left of screen.



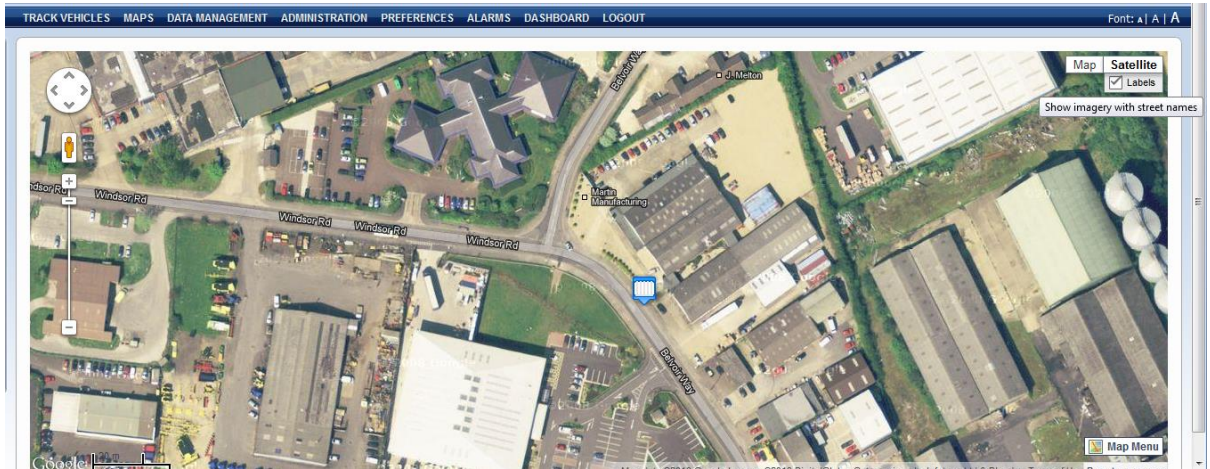
### 6.4 Satellite/Hybrid Maps

The integrated Google maps allow the user to switch to two different map types, in addition to the standard map.

#### 1. Satellite Map

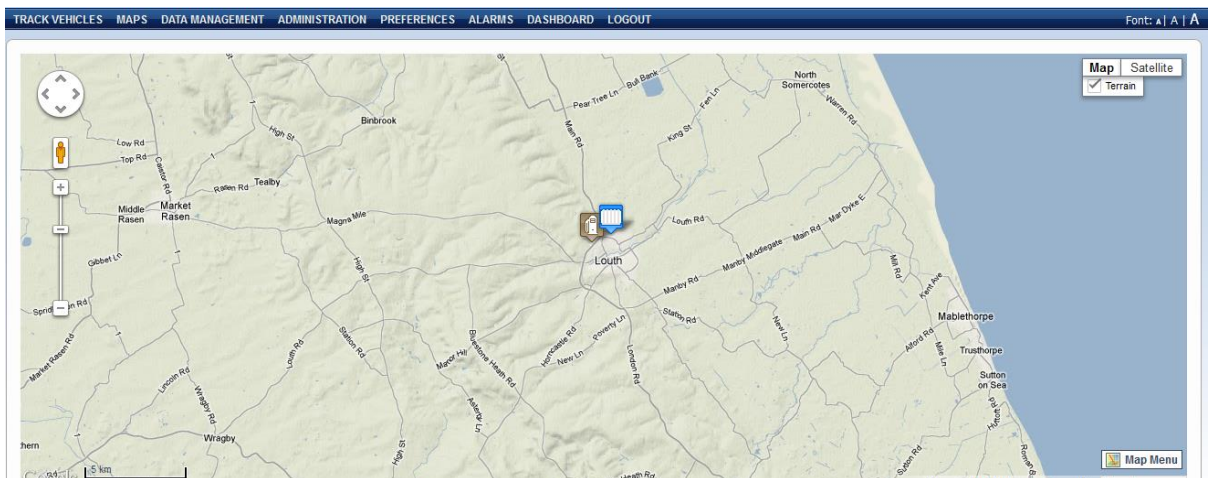
this can show detailed physical features if zoomed in sufficiently. The user can toggle on and off labels for this map by selecting the labels tab under the Satellite Menu on the top right screen.

**Note:** These images are stored satellite images and should not be considered as a real-time representation of the area being viewed.



### Map View / Terrain

The user can select a Google Map view or Map view with the regions Terrain superimposed. The feature is enabled by moving the cursor over the Map link and ticking the Terrain under maps.



## 6.5 Pan, Zoom & Street View

The integrated Google Maps allow the user excellent control over the map view.

### Pan



To use the panning feature to move the map view left/right/up/down by clicking on the appropriate arrow.

## Zoom



The integrated Google Maps allow the user to zoom in to a very detailed level, and also to zoom out to a very high level view.

The zoom can be adjusted by:

- Clicking the +/- buttons for a controlled zoom in/out.
- Clicking and holding the slider and moving it up/down for a more rapid zoom in/out.

**HINT:** Using the roller-wheel on a mouse will allow you to quickly scroll in/out.

## Street View



Users can zoom to a Google Street view by dragging the 'Pegman' across to the location.



## 6.6 Dealer Locations

The user can toggle ‘on’ and ‘off’ dealer location information by checking the Show Dealer Locations icon in the **Map Menu**. Dealer information can be turned on and off independently of Points of Interest.



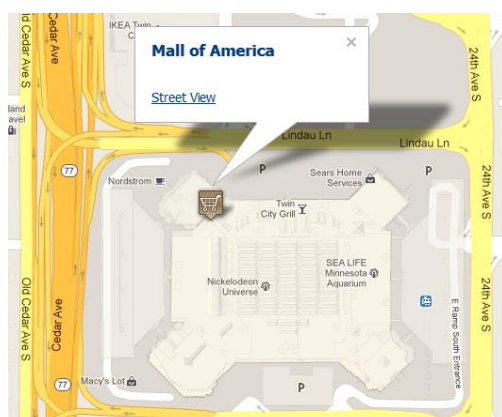
## 6.7 Point of Interest

The Points of Interest configured on the system can be displayed on the map page by clicking the Show POI icon in the **Map Menu**

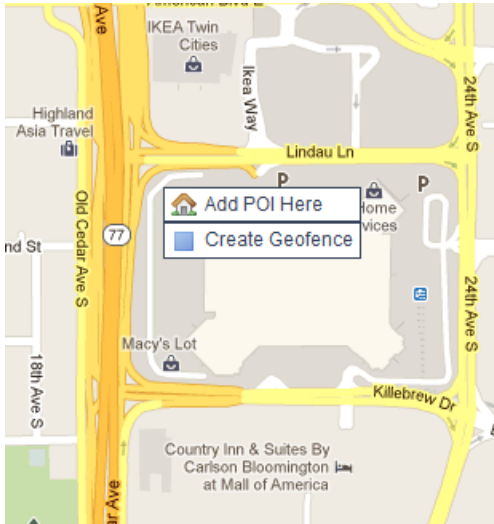
Users can create points of interest to easily identify locations of importance. These can be relevant locations such as delivery sites or depots.

Please note all Thermo King Dealers are stored as system POI’s. These POI’s can also be turned on and off using this icon.

The screenshot below shows a Point of Interest icon which has been clicked to show its details.



If the user wishes to create a Point of Interest, they can right click on the map location and select ‘Create POI Here’ from the menu option.



Users are then directed to the ‘Add / Edit a Point of Interest’ screen. Here the user can add a description of the POI and provide a suitable graphic for the location.

**Add / Edit a Point of Interest**

**POI Details**

Longitude

Latitude

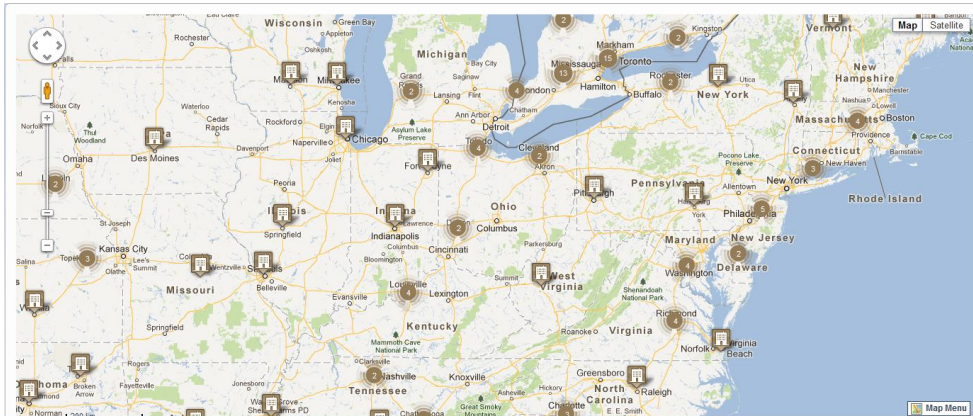
POI Description

**POI Image**


## 6.8 Cluster Points of Interest

Multiple Points of Interest concentrated around the same area are clustered into groups represented by a cluster icon. The number in the centre of the icon represents the number of POIs for that location. When you zoom into the cluster or click on the cluster the actual POIs are visible. The user can right click on an individual

POI to edit its properties.

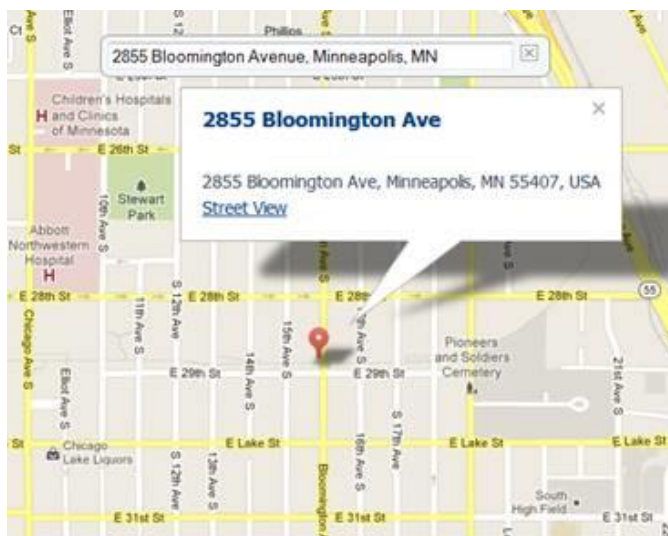


## 6.9 Find a Place

From the Map Menu a user can search for a location, using the find a place option 

[Find a place](#)

When finding a place the user can type in a place name or zip code and Google Maps will suggest a number of related locations.



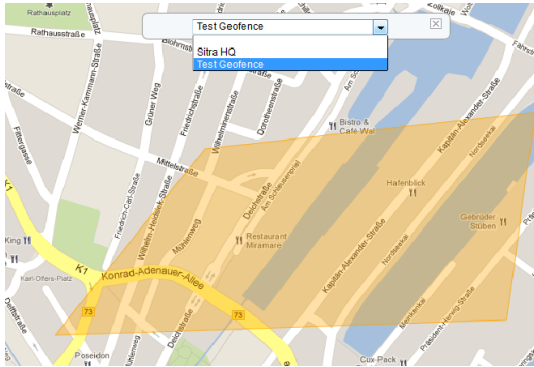
## 6.10 Geo Fence

The Geo Fence feature allows the customer to mark areas of importance through which their vehicles are expected to transmit and receive notification when they enter/exit that area. For example, setting a Geo Fence around a delivery point could enable the customer to identify if a delivery is taking too long to be unloaded by the recipient.

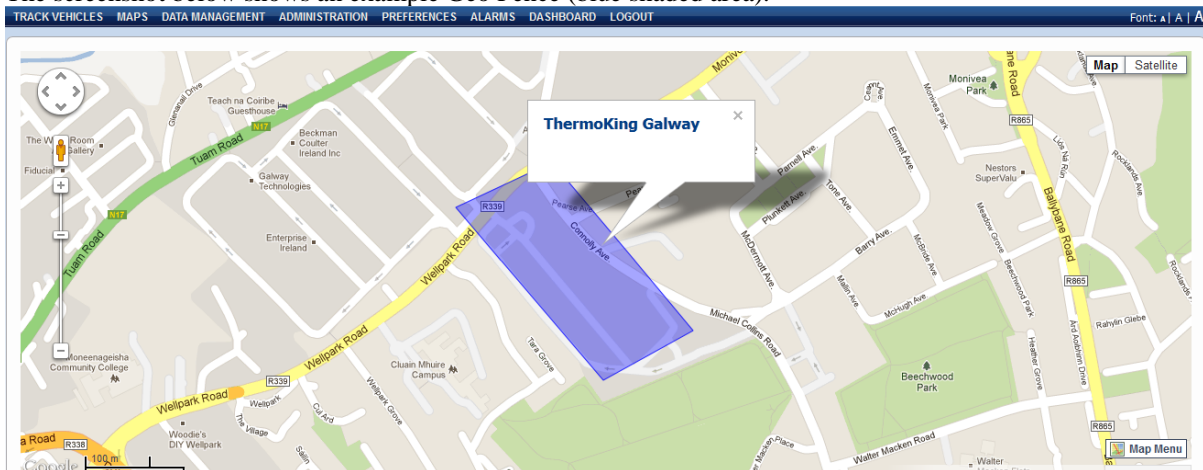
The Geo Fences which are configured on the system can be displayed on the map page.

To display the Geo Fenced areas, click the Show Geo Fences icon   Show Geo Fences in the [Map Menu](#).





The screenshot below shows an example Geo Fence (blue shaded area).

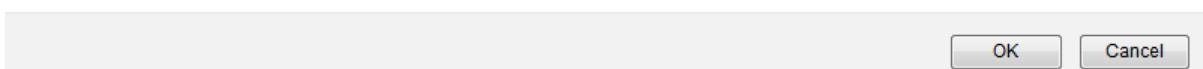


## 6.11 Create a Geo Fence

To create a Geo Fence:

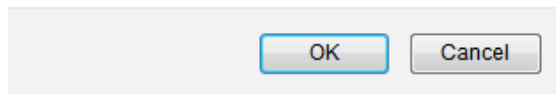
1. Right click on the Google Maps page and select the 'Create Geofence' option **Create Geofence**
2. You will be prompted to create a Geofence using four points. The system will automatically join the first and fourth points to close the Geofence. The user will be asked to proceed with the creation of this Geofence. When creating a geofence, it is recommended to oversize the geofence perimeter by 50m to take account of GPS drift and to reduce the likelihood of nuisance notifications. The scale bar, located at the bottom of the map, will provide reference when dimensioning the geofence.

Geo-fences can only contain 4 points. Place 4 points on the map to represent the geo-fence. The system will automatically join the 1st and 4th point to close the geo-fence.



3. After the user places 4 points on the map, they are asked to confirm whether they want to proceed in creating a geofence:

Do you wish to proceed with creating this GeoFence?



4. When the Geo Fence has been confirmed, a form is displayed to allow the user to enter the details related to the Geo Fence.

- Geo Fence name/description. Geofence names must be unique, regardless of the status of the geofence, i.e., whether it is active or deleted.
- The color should be **displayed** as on the map.
- Notify on Entry. If this is selected, the system shall notify the contacts specified when the vehicles associated with this Geofence enters that Geofence.
- What vehicle movements in relation to the Geo Fence should cause a notification action?

For example, tick the 'Notify on Entry' for a notification each time a vehicle on the system enters the area defined by the Geo Fence.

- The notification type can be SMS, email, both or no notification.
- To select the contacts to be notified of the alarms select the contacts from the list of contacts displayed and hold the control button on your keyboard.

**HINT:** To delete a contact from Geo Fence notification: deselect them and hold down the control button on your keyboard.

**TIP:** Ensure the vehicle you need to place a Geo Fence around is selected before confirming the Geo Fence. You can select multiple vehicles for a single Geo Fence

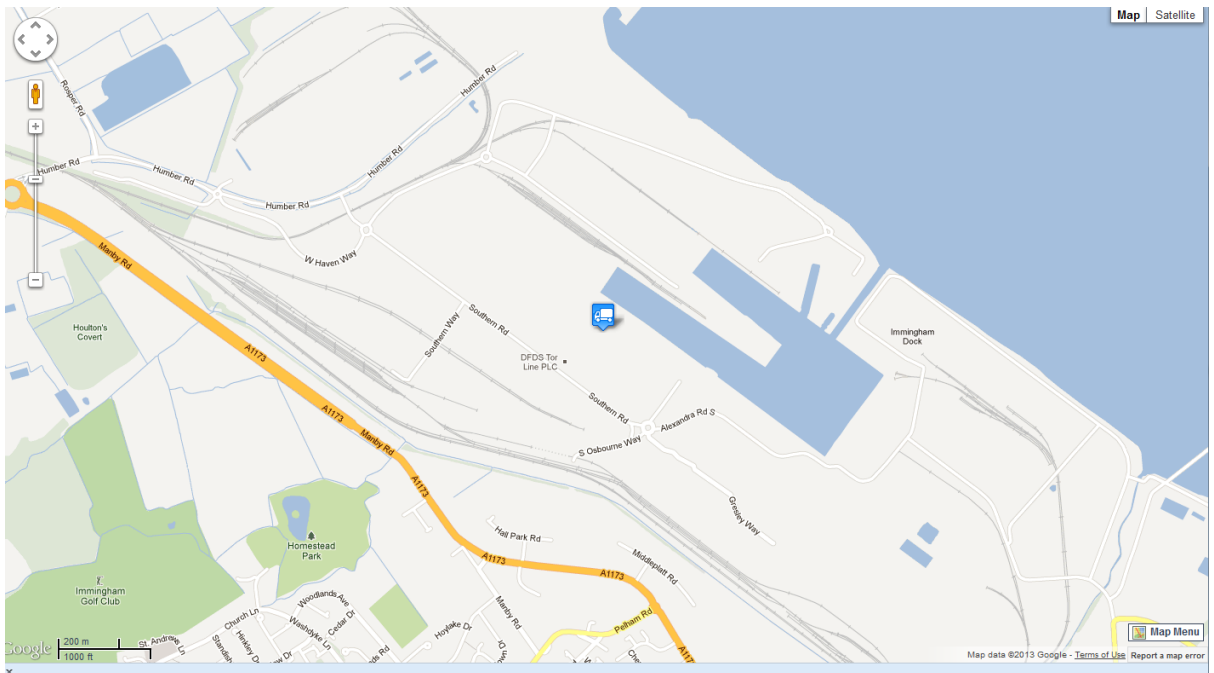
5. Click 'Confirm' to save the Geo Fence details and return to the map page.

**Note:** The Geo Fence alarm notification works in tandem with the logging interval of the unit.

## 6.12 Full-Screen Mode

In full-screen mode, a new browser window is opened with the map expanded to occupy the entire window.

- The map toolbar is still available.
- The original browser window running TracKing remains open in the background, and can be used in parallel.

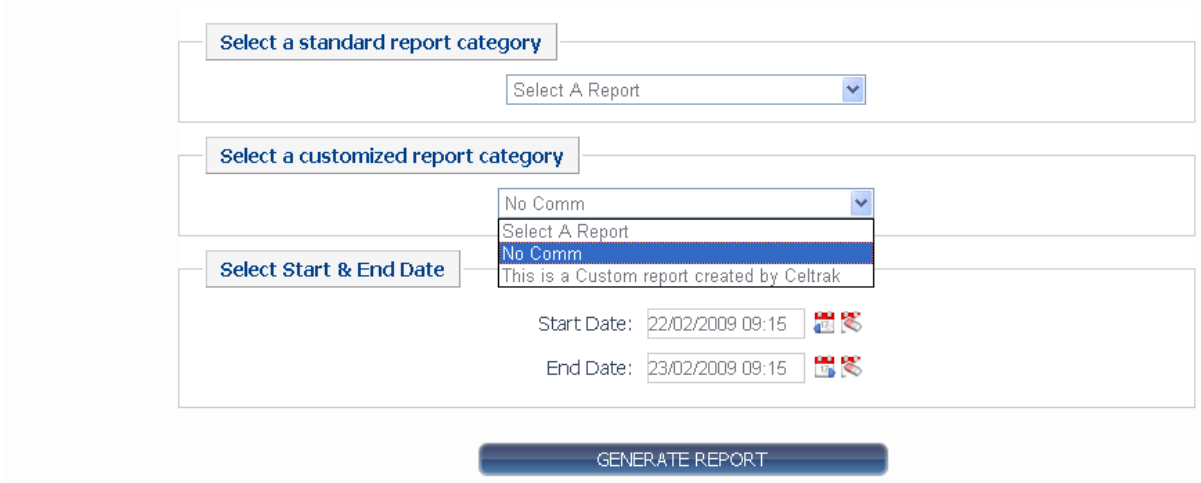


## 7 Data Management

This page enables the user to generate standard or customized reports from the data gathered by the Tracking system.

The page has two sections to for the user to complete: selecting a standard or customized report category and selecting the time period.

## Data Management



### Select a Vehicle

Before a report is selected it is necessary to select a vehicle or multiple vehicles that the report is to be applied. Select a vehicle using the Vehicle Selection tree. Please refer to the section on the Selection tree at the beginning of this manual.

### Select a standard report category

Select a category from the drop down menu. There are a large number of category options are enabled on your system. For a full list of categories, and links to descriptions of each, refer to the [Report Categories](#) page. The standardized reports contain both Tractor and Trailer reports. Please refer to the “Displaying and Reporting Tractor Data” section for information on the Tractor reports.

### Customized Report Categories

Reports created by the user are available in the Customized report dropdown. The user must still select the vehicles/trailers before running the report.

How to create a customized report will be explained in the administration section.

### Select Start & End Date

Depending on the report category selected, the user may be required to enter a start date or a start and end date. In a few cases where no date entries are required, this section is blank.

### Generate Report

When the required category has been selected and the date requirements filled in, click the Generate Report button to produce a report.

Reports are displayed on the same page, and can then be exported to file if required.

## 8 Standard Report Categories

The following report categories can be chosen from the drop-down menu on the Data Management page. Some report categories have additional options which the user can select before generating a report.

- 24 Hour Reefer History Report
- Alarm History Summary Report
- Command History Report
- Controller Temperature History Report
- Current Fleet Report
- Fuel Manager™ Fleet Fuel Exceptions
- Fuel Manager™ Fleet Fuel Usage Report
- Fuel Manager™ Fleet Fuel Exceptions History Report
- Fuel Manager™ Unit Fuel Exceptions Report
- Fuel Manager™ Unit Fuel Usage Report
- Data Logger Temperature History
- Geo-Fence Report
- Geo-Fence activity by Geo-Fence Report
- Operations History Report
- Preventative Maintenance Compliance Report
- Preventative Maintenance History Report
- Reefer Position History Report
- Reefer Utilisation Report
- TKDL Temperature Graph
- Temperature Chart

As a user selects the report type they will see a brief description of the report function, and information relating to the Maximum number of vehicles and Maximum Date range the report can be run against.

After a user hits generate report, a user can filter data, change the column ordering and show or hide columns. However, if the user exports a report, all columns in the default order shall be exported.

## Data Management

Select a standard report category

Geofence Report

Select A Report

- 24 Hr Reefer History
- Alarm History Report
- Command History Report
- Controller Temperature History Report
- Current Fleet Report
- Data Logger Temperature History Report
- Fuel Manager™ Fleet Fuel Exceptions Report
- Fuel Manager™ Fleet Fuel Usage Report
- Fuel Manager™ Fuel Exception History Report
- Fuel Manager™ Unit Fuel Exceptions Report
- Fuel Manager™ Unit Fuel Usage Report
- Geofence Activity By Geofence Report
- Geofence Report
- Operations History Report
- Reefer Position History Report
- Reefer Utilisation Report
- TKDL Temperature Graph
- Temperature Chart
- Two Way Audit History Report

### 8.1 24 Hour Reefer History Report

Generate a report for the previous 24 hours for all units on the stored tracking list. This report is restricted to 20 vehicles.

#### 24 Hr Reefer History

##### 24 Hour Vehicle History Report

##### Preferences

Temperature Type: Celsius | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	SP1	SP2	SP3	Unit Mode	S1	S2	S3	S4
21/01/2014 17:16:55	Razor 0406468	BoThar Na Mine, 0.74 km West of Celtrak, IRL	0								
21/01/2014 17:21:17	Razor 0406468	Tuam Road (R336), 0.69 km West of Thermo King, IRL	35								
21/01/2014 17:35:27	Razor 0406468	Oranhill (N59), 5.66 km North West of Galway, IRL	64								
21/01/2014 17:43:48	Razor 0406468	Clifden Road (N59), 1.23 km East of Moyvullen, Galway, IRL	0								
21/01/2014 17:55:42	Razor 0406468	Clifden Road, 5.72 km East of Oughterard, Galway, IRL	52								
21/01/2014 17:57:12	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 18:57:14	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 19:57:13	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 20:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 21:57:12	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
21/01/2014 22:57:11	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
21/01/2014 23:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 00:57:11	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
22/01/2014 01:57:11	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 02:57:12	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
22/01/2014 03:57:16	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 04:57:10	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 05:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 06:57:11	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 07:52:23	Razor 0406468	Clifden Road, 6.32 km East of Oughterard, Galway, IRL	75								
22/01/2014 07:53:11	Razor 0406468	Clifden Road (N59), 5.54 km North West of Moyvullen, Galway, IRL	86								
22/01/2014 08:03:33	Razor 0406468	Clifden Road, 3.18 km South East of Moyvullen, Galway, IRL	46								
22/01/2014 08:17:47	Razor 0406468	Headford Road (N6), 1.39 km West of Thermo King, IRL	47								
22/01/2014 08:23:37	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 09:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 10:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 11:24:08	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 12:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								

Second part of Report is shown below.



- Software Updates
- Two Way Clear Alarms
- Two Way Continuous
- Two Way Cycle Sentry
- Two Way Defrost Zone
- Two Way Pre Trip
- Two Way Remote On/Off
- Send Geofence Configuration

This report is restricted to 50 vehicles and duration of 32 days.

**Command History Report**

**Unit Requests for period 09/04/2014 8:16:00 AM to 09/11/2014 11:59:00 PM**

**Preferences**  
 Temperature Type: Celsius | Time Zone: Central Standard Time | Speed Type: KPH

Filter:  Show / hide columns

Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description
REB_Ed_SR3_2	Get Data	SMS	FlahiveEd@celtrak.com		09/05/2014 8:08:53 AM	Success	09/05/2014 8:09:04 AM	On	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:39:59 AM	Success	09/08/2014 7:44:27 AM	On	Pre-Trip passed.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:47:53 AM	Failed	09/08/2014 7:48:07 AM	On	Controller is in Sleep Mode.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:50:46 AM	Success	09/08/2014 7:58:35 AM	On	Pre-Trip passed.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:59:27 AM	Failed	09/08/2014 7:59:47 AM	On	Controller is in Sleep Mode.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:01:42 AM	Success	09/08/2014 8:05:34 AM	On	Pre-Trip passed.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:07:34 AM	Failed	09/08/2014 8:07:57 AM	On	Previous Pre-Trip in progress.
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:13:28 AM	Failed	09/08/2014 8:13:47 AM	Countdown	Controller is Off.

## 8.4 Controller Temperature History Report

This report shows Thermo King Controller data for the selected vehicles and the selected period. Note that Cargo Watch and DAS sensor data is not shown on this report. This report is restricted to 20 vehicles and duration of 32 days.



## Controller Temperature History Report

Controller Temperature History Report for period 17/11/2008 09:41 to 18/11/2008 09:41

### Preferences

Temperature Type: Fahrenheit | Time Zone: Central Standard Time | Speed Type: KPH

Date & Time	Vehicle Name	Position	Unit Mode	SP1	DA 1	RA 1	OP 1	SP2	DA 2	RA 2	OP 2	SP3	RA 3	OP 3	Unit Power
17/11/2008 09:51:28	GPRSSR2-HMI	1.05 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.1	58.3	High Heat	44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 09:56:43	GPRSSR2-HMI	1.05 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.2	58.2	High Heat	44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:03:56	GPRSSR2-HMI	1.06 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.2	58.1		44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:06:37	GPRSSR2-HMI	1.06 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.2	58.1		44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:15:12	GPRSSR2-HMI	1.06 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.4	58.0	High Heat	50	41.3	44.9	High Heat	47	48.1	High Cool	
17/11/2008 10:15:26	GPRSSR2-HMI	1.06 km East of <a href="#">Bloomington, Minnesota, USA</a>	CS	80	51.4	58.0	High Heat	50	41.3	44.9	High Heat	47	48.1	High Cool	

## 8.5 Current Fleet Report

This report shows the status of every vehicle on the saved Tracking list for the current time. The user does not have an option of selecting a time period for this report. This is available as a “one click” report from the Tracking screen.

### Current Fleet Report

#### Current Fleet Report

##### Preferences

Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	Door Lock	SP1	RA 1	SP2	RA 2	S1	S2	S3	S4	Unit Power	Unit Mode	Unit Alarm	Door 1	Engine Hours	Fuel Level	Battery Voltage
07/02/2014 16:35:12	REB Joe +353860407137	<a href="#">Bohar Na Dtreabh (NS), At Celtrak, IRL</a>	1		39	36.3			33.6	39.9	38.1	28.1	On	CS	Yes	0	1089	900	13.03
07/02/2014 17:12:59	REB Joe +353864614031	<a href="#">Bohar Na Dtreabh (NS), At Celtrak, IRL</a>	0										Off		Yes				

2 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

## 8.6 Fuel Manager™ Fleet Fuel Exceptions

This report is only available to users who have access to the Fuel Manager™ feature.

This report is available only for the vehicles displayed in the user’s vehicle tree.

**Fuel Manager™ Fleet Fuel Exceptions Report**

Fuel Manager™ Fleet Fuel Exceptions Report

Preferences

Fuel Unit: Litres | # Units Selected: 66 | Time: hh:mm:ss

Month And Year	Fuel Usage ON Door Open	Duration ON Door Open	% Fuel ON Door Open	Industry Avg % Fuel ON Door Open	Extra Fuel Usage Frozen Cont	Duration Frozen Cont	% Extra Fuel Frozen Cont	Industry Avg % Extra Fuel Frozen Cont
May 2013	445.4	15:34:30	24.2	18.9	143.2	04:56:09	7.8	7.0
June 2013	498.6	16:43:12	36.9	23.7	241.7	08:02:24	17.9	12.0
July 2013	694.6	10:09:50	25.6	20.6	82.6	08:36:32	3.0	3.3
August 2013	890.3	20:31:23	43.3	31.4	153.4	20:49:40	7.5	3.5
September 2013	679.7	21:52:30	42.3	29.3	26.0	13:08:56	1.6	3.1
October 2013	317.8	11:06:07	30.2	30.9	59.9	11:47:27	5.7	3.1

All fuel values are estimates using actual reefer operation and Thermo King Fuel consumption models.

6 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

This report summarizes Fleet fuel exceptions duration and fuel usage by month. “% Extra Fuel Frozen Cont” describes the additional fuel that was burned because the unit was in Continuous mode rather than Cycle Sentry mode. The fuel exceptions are:

- ON Door Open: Reefer is ‘On’ and the Door is Open
- Frozen Cont: The unit mode is set to ‘Continuous’ and the Setpoint is below 23F (-5C)

## 8.7 Fuel Manager™ Fleet Fuel Usage Report

This report summarizes Fleet ‘On-Hours’ and fuel usage by month.

**Fuel Manager™ Fleet Fuel Usage Report**

Fuel Manager™ Fleet Fuel Usage Report

Preferences

Fuel Unit: U.S. Gallons | # Units Selected: 66

Month And Year	# Number of Units	Total On Hours	Fuel Usage	Fuel Usage Cont	Fuel Usage CS	Avg Fuel Per Hour
July 2013	11	1679	1078.0	519.8	558.2	0.6
August 2013	11	1637	982.8	210.5	772.3	0.6
September 2013	0					0.0
October 2013	0					0.0
November 2013	0					0.0
December 2013	0					0.0

All fuel values are estimates using actual reefer operation and Thermo King Fuel consumption models.

6 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

## 8.8 Fuel Manager™ Fleet Fuel Exceptions History Report

This report provides detailed information for each Fuel Exception. The fuel exceptions are:

- ON Door Open: Reefer is ‘On’ and the Door is Open
- Frozen Cont: The unit mode is set to ‘Continuous’ and the Setpoint is below 23F (-5C)

**Fuel Manager™ Fuel Exception History Report**

Fuel Manager™ Fuel Exception History Report

Preferences

Fuel Unit: U.S. Gallons | Temperature Type: Fahrenheit | # Units Selected: 75 | Time: hh:mm:ss | Time Zone: Eastern Standard Time

Vehicle Name	Exception	Setpoint	Start Date	End Date	Duration	Fuel Usage	Position
Vehicle 1	ON Door Open	33.8	02/07/13 03:49:29	02/07/13 08:13:29	04:24:00	2.4	Country Road 475 S, 0.42 miles South West of NESTLE ANDERSON, USA
	ON Door Open	64.4	03/07/13 17:19:28	03/07/13 18:58:47	01:39:18	1.0	I-76, 8.09 miles West of Allentown, Pennsylvania, USA
	ON Door Open	26.6	05/07/13 13:38:35	05/07/13 17:38:35	02:00:00	1.1	34.21 miles North West of Reading, Pennsylvania, USA
	ON Door Open	26.6	06/07/13 04:38:35	06/07/13 07:36:44	02:58:08	1.6	0.21 miles East of BUTLER REFR, HARMONY, USA
	ON Door Open	-9.4	09/07/13 05:49:23	09/07/13 12:31:25	06:42:03	3.5	0.07 miles North East of MILLARD STREETSBORO, USA
	ON Door Open	-9.4	10/07/13 07:52:25	10/07/13 10:38:06	02:45:39	1.4	8.92 miles North of Hagerstown, Maryland, USA
	ON Door Open	33.6	16/07/13 06:41:34	16/07/13 08:56:52	02:15:17	1.2	0.14 miles West of GIANT EAGLE BEDFORD HEIGHTS, USA
	ON Door Open	-9.4	16/07/13 17:38:28	16/07/13 18:38:27	01:00:00	0.5	13.02 miles North East of Wier's Farms WILLARD, USA
	ON Door Open	-9.4	17/07/13 13:44:28	17/07/13 14:21:45	00:37:15	0.3	11.60 miles East of Hickory, North Carolina, USA
	ON Door Open	39.2	22/07/13 14:30:21	23/07/13 00:15:46	09:45:14	5.5	OH-103, 1.50 miles West of DUTCHMAID YARD, USA
	ON Door Open	41.0	23/07/13 04:20:37	23/07/13 06:25:03	02:04:26	1.2	9.18 miles North of WM6074 GARRETT, USA
	ON Door Open	33.8	23/07/13 12:53:27	23/07/13 14:33:27	01:40:01	0.9	28.54 miles South West of Lima, Ohio, USA
	ON Door Open	33.8	24/07/13 13:07:27	24/07/13 13:49:27	00:42:00	0.4	2.97 miles South of Allentown, Pennsylvania, USA
	ON Door Open	64.4	24/07/13 17:55:18	24/07/13 19:20:19	01:25:01	0.9	8.34 miles West of Allentown, Pennsylvania, USA
	ON Door Open	64.4	25/07/13 14:49:19	25/07/13 18:10:58	03:21:39	2.1	0.08 miles East of GIANT EAGLE BEDFORD HEIGHTS, USA
	ON Door Open	42.8	27/07/13 11:17:25	27/07/13 12:06:25	00:49:01	0.5	OH-103, 1.49 miles West of DUTCHMAID YARD, USA
	ON Door Open	35.6	29/07/13 03:41:25	29/07/13 05:17:32	01:36:07	0.9	4th St, 4.98 miles South East of East Point, Georgia, USA
	ON Door Open	64.4	30/07/13 22:02:15	31/07/13 00:38:44	02:36:28	1.6	0.07 miles East of GIANT EAGLE CRAFTON, USA
	ON Door Open	35.6	02/08/13 07:33:17	02/08/13 09:06:17	01:27:00	0.8	1.97 miles East of Cleveland, Ohio, USA
	ON Door Open	-9.4	06/08/13 08:16:15	06/08/13 11:23:14	03:09:00	1.6	Jefferson St, 0.11 miles North West of MILLARD STREETSBORO, USA
ON Door Open	-9.4	07/08/13 04:14:13	07/08/13 05:48:14	01:34:01	0.8	Performance Ct, 3.48 miles South West of Newark, Delaware, USA	
ON Door Open	-9.4	07/08/13 08:34:14	07/08/13 10:22:13	01:48:00	0.9	1.18 miles South of Severn, Maryland, USA	
ON Door Open	-9.4	08/08/13 05:03:14	08/08/13 06:17:59	01:14:45	0.6	7.51 miles East of Frederick, Maryland, USA	
ON Door Open	35.6	08/08/13 15:14:06	08/08/13 16:29:07	01:15:00	0.7	Southwestern Blvd, 2.71 miles East of Catonsville, Maryland, USA	
ON Door Open	35.6	09/08/13 08:50:07	09/08/13 12:18:47	03:28:40	1.9	0.10 miles North West of GIANT EAGLE BEDFORD HEIGHTS, USA	
ON Door Open	35.6	12/08/13 12:10:10	12/08/13 15:24:10	03:13:58	1.7	0.05 miles North East of MILLARD STREETSBORO, USA	

## 8.9 Fuel Manager™ Unit Fuel Exceptions Report

This report summarizes individual unit fuel exception duration and fuel usage by month. “% Extra Fuel Frozen Cont” describes the additional fuel that was burned because the unit was in Continuous mode rather than Cycle Sentry mode. The fuel exceptions are:

- ON Door Open: Reefer is ‘On’ and the Door is Open
- Frozen Cont: The unit mode is set to ‘Continuous’ and the Setpoint is below 23F (-5C)

**Fuel Manager™ Unit Fuel Exceptions Report**

Fuel Manager™ Unit Fuel Exceptions Report

Preferences

Fuel Unit: U.S. Gallons | # Units Selected: 75 | Time: hh:mm:ss

Vehicle Name	Month And Year	Fuel Usage ON Door Open	Duration ON Door Open	% Fuel ON Door Open	Industry Avg % Fuel ON Door Open	Extra Fuel Usage Frozen Cont	Duration Frozen Cont	% Extra Fuel Frozen Cont	Industry Avg % Extra Fuel Frozen Cont	Issue Description
Vehicle 1	July 2013									No Door Sensor
	August 2013									No Door Sensor
Vehicle 2	July 2013									No Door Sensor
	August 2013									No Door Sensor
Vehicle 3	July 2013									Unit Type Not Defined
	August 2013									Unit Type Not Defined
Vehicle 4	July 2013	27.1	48:21:43	32.7	18.0	0.0	00:00:00	0.0	1.7	
	August 2013	43.6	80:11:45	42.8	23.4	0.0	03:20:02	0.0	1.5	
Vehicle 5	July 2013	22.2	39:36:03	15.3	18.0	0.0	00:00:00	0.0	1.7	
	August 2013	21.1	37:11:16	28.0	23.4	0.0	00:00:00	0.0	1.5	
Vehicle 6	July 2013	19.8	35:53:06	20.5	18.0	4.2	12:07:01	4.4	1.7	
	August 2013	25.6	45:26:49	30.4	23.4	0.8	03:22:08	0.9	1.5	
Vehicle 7	July 2013	20.1	34:40:55	37.9	18.0	0.0	00:00:00	0.0	1.7	
	August 2013	42.2	75:40:40	60.8	23.4	0.0	00:00:00	0.0	1.5	
Vehicle 8	July 2013	29.9	55:11:16	23.1	18.0	0.0	00:00:00	0.0	1.7	
	August 2013	28.3	49:45:03	24.0	23.4	7.4	22:29:34	6.3	1.5	

## 8.10 Fuel Manager™ Unit Fuel Usage Report

This report summarizes individual unit 'On-Hours' and fuel usage by month.

Fuel Manager™ Unit Fuel Usage Report							
Fuel Manager™ Unit Fuel Usage Report Preferences							
Fuel Unit: U.S. Gallons   # Units Selected: 66							
Vehicle Name	Month And Year	Total On Hours	Fuel Usage	Fuel Usage Cont	Fuel Usage CS	Avg Fuel Per Hour	Issue Description
Vehicle 1	July 2013						Unit Type Not Defined
	August 2013						Unit Type Not Defined
Vehicle 2	July 2013	129	82.9	12.9	70.0	0.6	
	August 2013	177	101.9	28.3	63.7	0.6	
Vehicle 3	July 2013	230	145.1	108.5	36.6	0.6	
	August 2013	132	75.3	0.0	75.3	0.6	
Vehicle 4	July 2013	146	96.4	63.0	33.4	0.7	
	August 2013	109	84.4	13.8	70.6	0.8	
Vehicle 5	July 2013	91	53.0	8.8	44.2	0.6	
	August 2013	106	69.4	7.6	61.8	0.7	
Vehicle 6	July 2013	213	129.4	70.6	58.8	0.6	
	August 2013	160	118.2	76.7	41.5	0.7	
Vehicle 7	July 2013	234	152.1	101.3	50.9	0.7	
	August 2013	203	75.1	5.8	69.3	0.4	

## 8.11 Data Logger Temperature History

This report shows Thermo King Data logger data for the selected vehicles and the selected period. Note that Cargo Watch, DAS, and TKDL sensor data is only shown on this report. This report also shows the power status of the controller. This report is restricted to 20 vehicles and duration of 32 days.

Data Logger Temperature History Report													
Data Logger Temperature History Report for period 17/11/2008 09:47 to 18/11/2008 09:47													
Preferences													
Temperature Type: Fahrenheit   Time Zone: Central Standard Time   Speed Type: KPH													
Vehicle Name	Date & Time	Position	SP1	SP2	SP3	S1	S2	S3	S4	S5	S6	Unit Power	Unit Alarm
GPRSSR2-HMI	17/11/08 09:51	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	80	44	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 09:56	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	80	44	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 10:03	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	80	44	47	8.4	15.7	27.2	85.8				Yes
GPRSSR2-HMI	17/11/08 10:06	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	80	44	47	8.4	15.7	27.2	85.8				Yes
GPRSSR2-HMI	17/11/08 10:15	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	80	50	47	8.4	15.7	27.2	85.9				No
GPRSSR2-HMI	17/11/08 10:15	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	80	50	47	8.4	15.7	27.2	85.9				No
GPRSSR2-HMI	17/11/08 10:18	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	80	50	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 10:19	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	80	50	47	8.4	15.7	27.2	85.8				No

## 8.12 Geo Fence Report

A new Detailed filter checkbox has been added to the Geofence Report:

### Data Management

**Select a standard report category**

Geofence Report ▾

View entries to and exits from geofences by selected vehicles during the selected time period.

**Maximum Selections : 50**

**Maximum Date Range : 32 days**

**Select a customized report category**

SelectA Report ▾

**Select Start & End Date**

Start Date:

End Date:

Detailed

Exclude Saturday

Exclude Sunday

GENERATE REPORT

The Detailed checkbox determines whether suppressed entry and exits are displayed or not.

The Geo Fence report shows entry, exit and movement times for all Geo Fences associated with selected vehicles for the specified period of time. This report is restricted to 50 vehicles and duration of 32 days.

**Geofence Report**

**Geofence Report for period 09/04/14 8:39:00 AM to 09/11/14 11:59:00 PM**

**Preferences**  
Time Zone: Central Standard Time

Filter:  Show / hide columns

Vehicle Name	Date & Time	Geofence	Description
AMG Test Vehicle 1	09/10/2014 4:08:01 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 4:27:35 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 4:29:19 AM	Celtrak	Exit - Time Deactivation
AMG Test Vehicle 1	09/10/2014 4:33:14 AM	Celtrak	Entry - Time Activation
AMG Test Vehicle 1	09/10/2014 4:36:31 AM	Celtrak	Entry - Tracking Unit Powered On
AMG Test Vehicle 1	09/10/2014 4:40:07 AM	Celtrak	Entry - Tracking Unit Reset
AMG Test Vehicle 1	09/10/2014 4:42:10 AM	Celtrak	Entry - Tracking Unit Reset
AMG Test Vehicle 1	09/10/2014 4:46:56 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:47:56 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:49:17 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 4:50:08 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 4:51:41 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:52:22 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:47:02 AM	Celtrak	Exit - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:47:23 AM	Celtrak	Exit - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:50:21 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 5:53:18 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 5:57:04 AM	Celtrak	Exit - GPS Position Lost
AMG Test Vehicle 1	09/10/2014 7:00:24 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 7:00:53 AM	Celtrak	Exit
AMG Test Vehicle 1	09/10/2014 7:01:40 AM	Celtrak	Entry - Time Activation
AMG Test Vehicle 1	09/10/2014 7:01:54 AM	Celtrak	Exit - Time Deactivation

### Vehicle Name

This is the name of the vehicle that entered or exited the Geofence.

### Date & Time

This shows the date and time the vehicle reported as being in a Geofence.

### Geofence

This is a description of the Geofence as specified when adding or editing a Geofence.

### Description

The description column describes why a vehicle entered or exited a Geofence.

Description	Explanation of Geofence Event
Entry	Unit entered geofence
Exit	Unit exited geofence
Entry - GPS Position Established	Unit has regained GPS location
Exit - GPS Position Lost	Unit has lost ability to determine GPS location
Entry - Geofence Update	Units geofence assignment or boundaries of geofence has changed and just been uploaded
Exit - Geofence Update	Units geofence assignment or boundaries of geofence has changed and is exiting from geofence as this geofence may not be in next update
Entry - Tracking Unit Powered On	The unit was in conservative or full null and just been turned back on.

Exit - Tracking Unit Powered Off	Unit's power mode has changed from countdown to conservative, it currently does not track geofences in conservative
Entry - Time Activation	Unit is located in geofence for a period of time and the geofence has just become active.
Exit - Time Deactivation	Unit is located in geofence and the geofence has just become inactive.
Entry - Tracking Unit Reset	Unit has been reset
Exit - Tracking Unit Reset	Unit has been reset

### 8.13 Geo fence Activity by Geo fence Report

This report allows the user to select specific Geo-Fences and vehicles to determine the activity on these Geo-Fences. This report is restricted to 32 days.

**Select a standard report category**

Geofence Activity By Geofence Report

View all entries to and exits from selected geofences during the selected time period.  
**Maximum Selections :** Not Applicable  
**Maximum Date Range :** 32 days

**Select a customized report category**

Select A Report

**Select Start & End Date**

Start Date:

End Date:

Exclude Saturday  
 Exclude Sunday

#### Geofence Activity By Geofence Report

**Geofence Activity By Geofence Report for period 09/15/14 11:38:00 AM to 09/22/14 11:59:00 PM**

##### Preferences

Time Zone: Greenwich Mean Time

Geofence	Vehicle Name	Entry Date	Exit Date	Duration in Geofence
Galway	REB CRYO 1	09/14/2014 1:02:15 PM	09/16/2014 8:10:34 AM	43:08:19
Galway	REB CRYO 1	09/16/2014 8:11:35 AM	09/19/2014 3:25:57 PM	79:14:22
Galway	REB CRYO 1	09/19/2014 3:26:58 PM		
Galway	WebServicesTest	09/17/2014 4:21:49 PM	09/17/2014 4:22:00 PM	00:00:11
Galway	WebServicesTest	09/17/2014 4:25:01 PM	09/17/2014 4:25:37 PM	00:00:36
Galway	WebServicesTest	09/17/2014 4:25:47 PM	09/17/2014 4:28:52 PM	00:03:05
Galway	WebServicesTest	09/17/2014 4:29:41 PM	09/17/2014 4:46:38 PM	00:16:57
Galway	WebServicesTest	09/17/2014 4:47:13 PM	09/19/2014 2:46:35 PM	45:59:22
Galway	WebServicesTest	09/19/2014 2:46:48 PM	09/19/2014 2:47:09 PM	00:00:21
Galway	WebServicesTest	09/19/2014 2:47:32 PM	09/19/2014 2:48:09 PM	00:00:37
Galway	WebServicesTest	09/19/2014 2:48:51 PM	09/19/2014 2:49:01 PM	00:00:10

#### Geofence

This is a description of the Geofence as specified when adding or editing a Geofence.

### Vehicle Name

This is the name of the vehicle that entered or exited the Geofence.

### Entry Date

This shows the date and time the vehicle entered the Geofence.

### Exit Date

This shows the date and time the vehicle exited the Geofence.

### Duration in Geofence

This describes how long a vehicle stayed in the Geofence using the registration and deregistration from the vehicle.

## 8.14 Operations History Report

This report shows the operations data for the selected vehicles and the selected period. This report is restricted to 20 vehicles and duration of 32 days.

Operations History Report <span style="float: right;">✕</span>							
Operations History Report for period 17/11/2008 09:47 to 18/11/2008 09:47							
Preferences							
Temperature Type: Fahrenheit   Time Zone: Central Standard Time   Speed Type: KPH							
Vehicle Name	Date & Time	Position	Engine Hours	Electric Hours	Total Hours	Fuel Level	Battery Voltage
GPRSSR2-HMI	17/11/2008 09:51:28	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	695	10	706		12
GPRSSR2-HMI	17/11/2008 09:56:43	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	695	10	706		12
GPRSSR2-HMI	17/11/2008 10:03:56	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		13
GPRSSR2-HMI	17/11/2008 10:06:37	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		13
GPRSSR2-HMI	17/11/2008 10:15:12	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:15:26	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:18:23	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:19:18	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:21:49	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:36:56	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:39:59	<a href="#">1.06 km East of Bloomington, Minnesota, USA</a>	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:47:27	<a href="#">1.05 km East of Bloomington, Minnesota, USA</a>	696	10	707		12



## 8.15 Preventative Maintenance Compliance Report

Note: This feature is only available for customers in USA

The customer shall get information about pending or overdue maintenance through the Preventative Maintenance Compliance Report on the TKTracKing website. This report is fleet wide and consists of one row per vehicle. It provides information regarding whether a given vehicle is overdue for a Preventative Maintenance, when the next Preventative Maintenance is due and when the last Preventative Maintenance was performed. If no Preventative Maintenance of a particular type has been carried out on a vehicle, the Preventative Maintenance compliance report shall state the Preventative Maintenance type values as blanks.

- Customer shall log onto TracKing
- Customer shall navigate to Reports page by clicking on Data Management.
- Customer shall select Preventative Maintenance Compliance Report from the report dropdown.
- Preventative Maintenance Compliance Report loads. See figure below.

Vehicle Name	Current Location	PM Type A Status	PM Type B Status	Last PM A	Next PM A Due Date	Last PM B	Next PM B Due Date	Port A Device ID	Port A Version	Port B Device ID	Port B Version
611011		Past Due	Past Due	04-Sep-2012	02-Jan-2013	31-Jan-2012	30-Jan-2013	SR2 Trailer	B055	HMI	6560
611049		Satisfied	Satisfied	28-Feb-2013	28-Jun-2013	14-Jan-2013	14-Jan-2014	SR2 Trailer	B055	HMI	6560

- The Preventative Maintenance Compliance Report is schedulable.
- To schedule this report, Customer shall navigate to Scheduled Reports page by clicking on Administration Scheduled Reports.
- The Customer shall select Preventative Maintenance Compliance Report from the report dropdown.

## 8.16 Preventative Maintenance History Report

Note: This feature is only available for customers in USA

The customer shall get information about completed maintenance through the Preventative Maintenance History Report. This report provides maintenance history of the vehicles and contains one row per each Preventative Maintenance performed on each vehicle. Only active vehicles shall be displayed in Preventative Maintenance History Report.

The customer can generate this report for a given set of up to 20 vehicle(s) with the ability to go back at least 2 years (731 days --> 2 years and one day). The customer can pick the start and finish dates from a calendar control.

- Customer shall log onto TracKing
- Customer shall navigate to Reports page by clicking on Data Management.
- Customer shall select a maximum of 20 vehicles.
- Customer shall select Preventative Maintenance History Report from the report dropdown.
- Customer shall select start and end dates.
- Preventative Maintenance History Report loads.

## Preventative Maintenance History Report

Unit Preventative Maintenance History for period 07/08/2012 to 04/03/2013

### Preferences

Temperature Type: Fahrenheit | Time Zone: Central Standard Time | Speed Type: MPH

Vehicle Name	Performed	Type A	Days Since Previous	Type B	Days Since Previous	Dealer	Technician	Comments	Created	User	Location
611011	04-Sep-2012	Yes				TK US - Tk Philadelphia	Jack	Battery swap	01-Mar-2013	gayatri@dealer.philadelphia	Philadelphia, pa
611049	28-Feb-2013	Yes	45			TK US - Tk Philadelphia	Ed	change belt	01-Mar-2013	gayatri@dealer.philadelphia	Philadelphia, pa
611049	14-Jan-2013	Yes	14	Yes	365	TK US - Tk Philadelphia	Gaya	All is well	01-Mar-2013	gayatri@dealer.philadelphia	Philadelphia, pa
611049	31-Dec-2012	Yes				TK US - Tk Philadelphia	Ed	change oil	01-Mar-2013	gayatri@dealer.philadelphia	Philadelphia, pa

4 items found, displaying all items.

Export options: [Excel](#) | [PDF](#) | [RTF](#) | [Print](#)

- The Preventative Maintenance History Report is schedulable.
- To schedule this report, Customer shall navigate to Scheduled Reports page by clicking on Administration Scheduled Reports.
- The Customer shall select Preventative Maintenance History Report from the report dropdown.

## 8.17 Reefer Position History Report

This report shows positional information for the selected vehicles and the selected period. Note the option to “Replay this vehicle” is available on this report by clicking on this text at the start of the report. This report is restricted to 20 vehicles and duration of 32 days.

### Position History Report

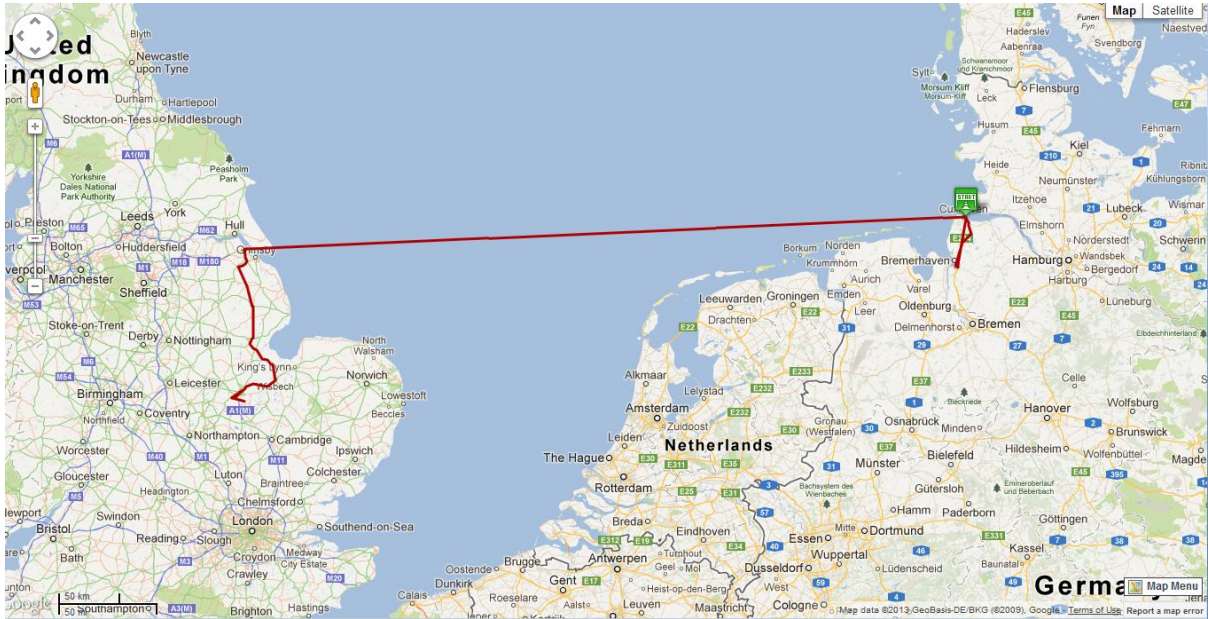
Position History Report for period 25/01/2013 12:27 to 20/02/2013 23:59

#### Preferences

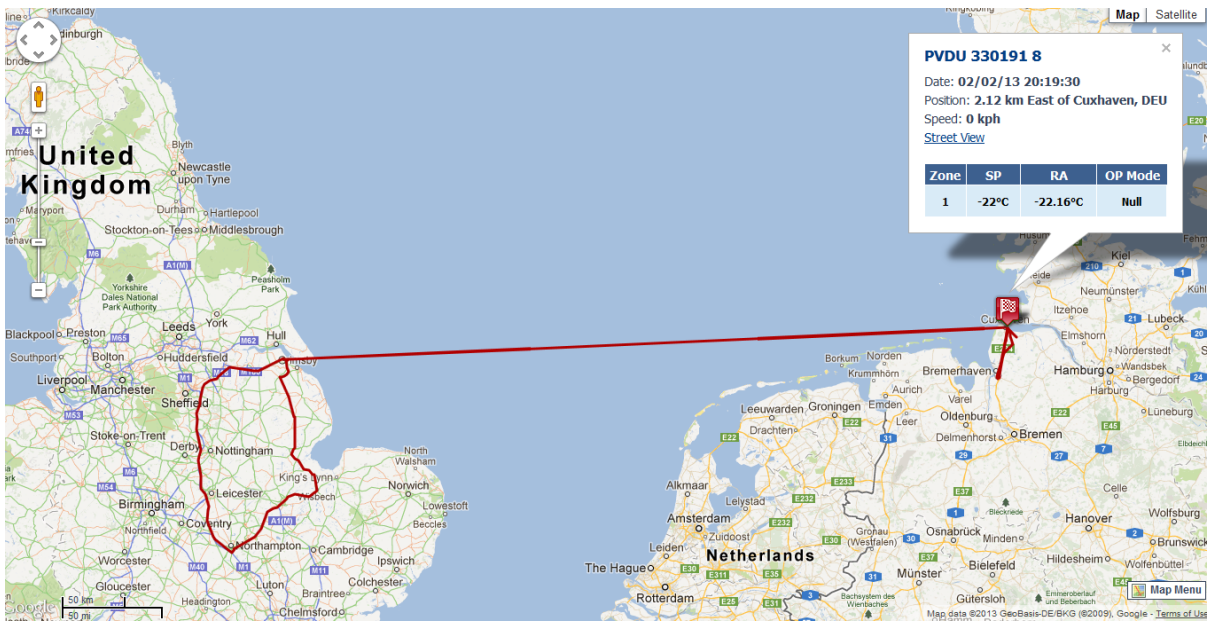
Temperature Type: Celsius | Time Zone: Greenwich Mean Time | Speed Type: KPH

Vehicle Name	Date & Time	Position	Mileage	Speed
PVDU 330191 8 <a href="#">Replay this Vehicle</a>	25/01/2013 13:11:21	2.04 km East of Cuxhaven, DEU	48250	0
	25/01/2013 14:12:49	2.03 km East of Cuxhaven, DEU	48250	0
	25/01/2013 15:14:14	2.04 km East of Cuxhaven, DEU	48250	0
	25/01/2013 15:44:20	3.06 km South East of Cuxhaven, DEU	48251	0
	25/01/2013 15:52:26	6.00 km South East of Cuxhaven, DEU	48254	68
	25/01/2013 15:52:58	6.62 km South East of Cuxhaven, DEU	48255	68
	25/01/2013 15:56:25	8.88 km South East of Cuxhaven, DEU	48258	43
	25/01/2013 16:14:29	16.04 km South East of Cuxhaven, DEU	48270	39
	25/01/2013 16:14:52	16.06 km South East of Cuxhaven, DEU	48270	35
	25/01/2013 16:16:28	15.52 km South East of Cuxhaven, DEU	48271	27
	25/01/2013 16:32:06	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 17:33:56	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 18:34:43	15.06 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 19:35:30	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 20:36:16	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 21:37:02	15.06 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 22:38:00	15.06 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 23:39:28	15.05 km South East of Cuxhaven, DEU	48272	0
	26/01/2013 00:40:56	15.05 km South East of Cuxhaven, DEU	48272	0
	26/01/2013 01:42:25	15.05 km South East of Cuxhaven, DEU	48272	0
26/01/2013 02:43:53	15.05 km South East of Cuxhaven, DEU	48272	0	
26/01/2013 03:45:22	15.05 km South East of Cuxhaven, DEU	48272	0	
26/01/2013 04:46:49	15.05 km South East of Cuxhaven, DEU	48272	0	

When you click on the “Replay this vehicle” option, a map will show up the journey for the selected period. The journey the vehicle took is replayed in stages on the map showing the start and end location.



In this case the vehicle returned to the original starting location.



### 8.18 Reeper Utilisation Report

The Reeper Utilisation Report shows the Reeper On duration and the Reeper Off duration for the selected period. This report is restricted to 100 vehicles and duration of 120 days.

### Reefer Utilisation Report

Reefer Utilisation Report for period 01/10/2010 to 31/10/2010

Vehicle Name	Reefer On Duration	Reefer Off Duration	% Reefer On Duration
25A	381:40:21	363:19:38	51
26	458:20:00	286:39:59	61
265	365:41:59	379:18:00	49
33	473:11:56	271:48:03	63
34	292:39:49	452:20:10	39
35	116:31:01	628:28:58	15

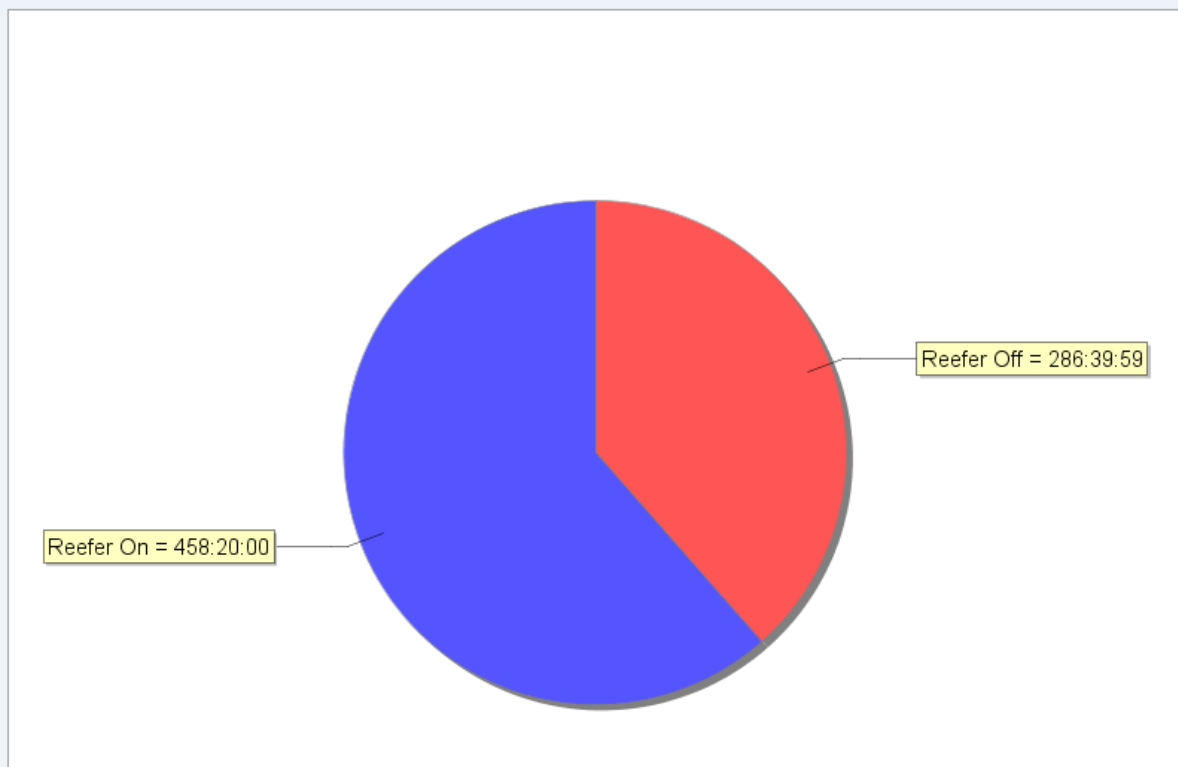
6 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

By clicking on the icon on the report you can open a pie chart display of the On/Off times.

### Reefer Utilisation Chart

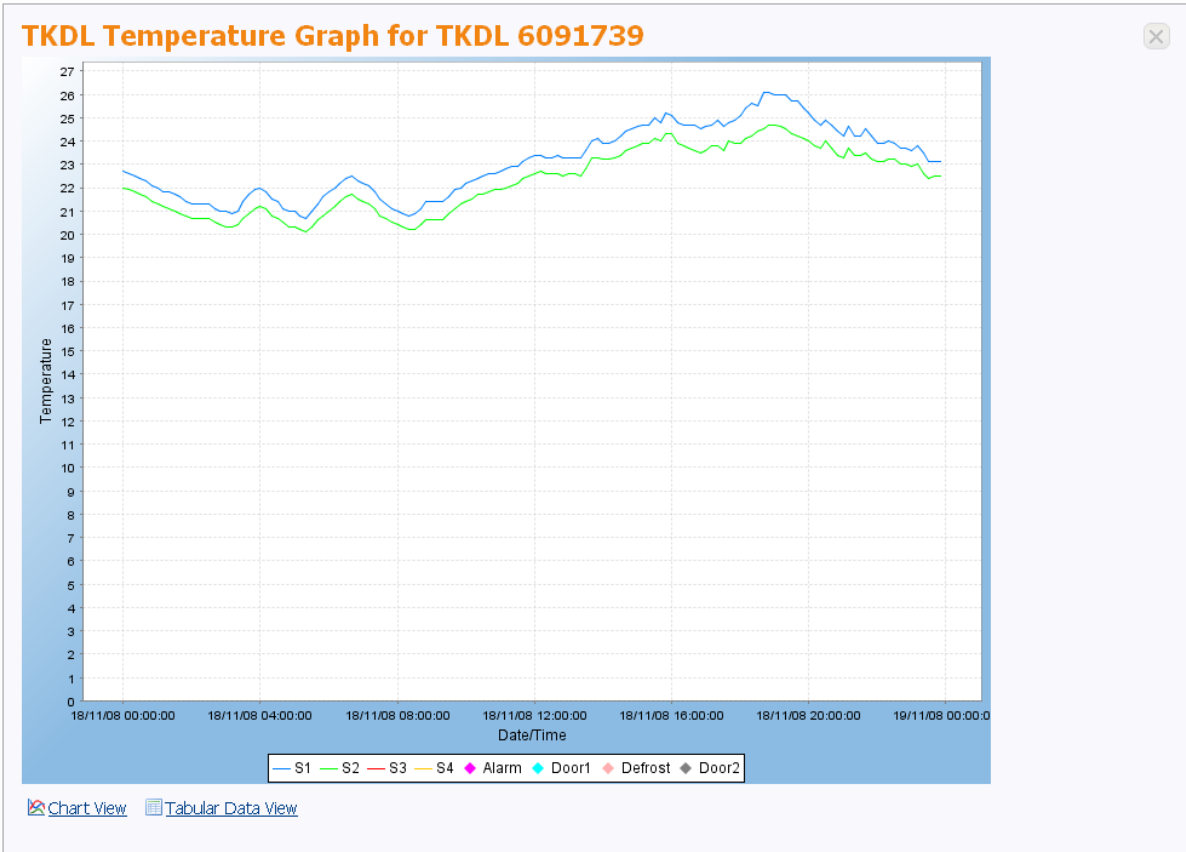
For period 01/10/2010 to 31/10/2010



## 8.19 TKDL Temperature Graph

This Graph plots the Thermo King TKDL data logger data for the selected vehicle (only one vehicle at a time is possible) and the selected period. Note this report is used to display the TKDL data that has been downloaded from the Data logger. There is no need to separately download this TKDL device.

This report is restricted to 1 vehicle and duration of 32 days.



## 8.20 Temperature Chart

This Graph plots the Thermo King DAS data logger data and Controller data for the selected vehicle (only one vehicle at a time is possible) and the selected period. This is the periodic data as transmitted by TracKing. This report is restricted to 1 vehicle and duration of 8 days.

Select the specific sensors you want to display.

Temperature Data

Select All

Independent Sensor 1

Independent Sensor 2

Independent Sensor 3

Independent Sensor 4

Independent Sensor 5

Independent Sensor 6

Set Points

Alarms

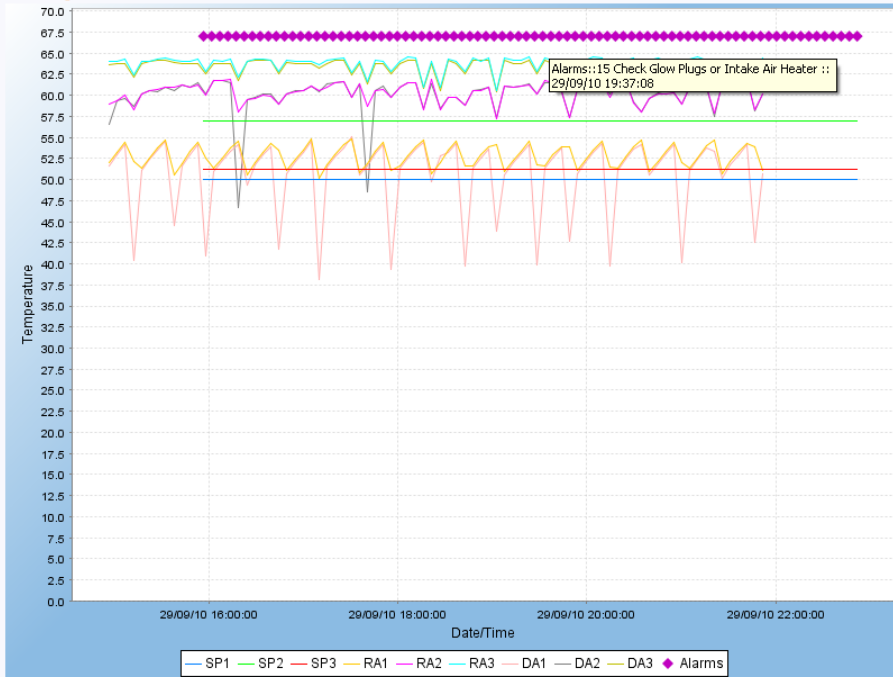
Power

Discharge Air Sensors

Return Air Sensors

GENERATE REPORT

### Temperature Chart for Razor 3























[Chart View](#) [Tabular Data View](#)

## 9 Administration

The administration page allows the user to manage their TracKing system. It provides links to configuration pages to add users and vehicles.

Note that the degree of access a user has to administration features is determined by the role assigned to them. Roles are described in the next section.

### Administration

<h4 style="margin: 0;">Temperature</h4> <ul style="list-style-type: none"> <li> <a href="#">Notifications</a></li> <li> <a href="#">Two-Way Commands</a></li> <li> <a href="#">Temperature Range Settings</a></li> <li> <a href="#">Data Logger Downloads</a></li> <li> <a href="#">Door Alarm Settings</a></li> </ul>	<h4 style="margin: 0;">Vehicles</h4> <ul style="list-style-type: none"> <li> <a href="#">Add Vehicle Group</a></li> <li> <a href="#">Vehicle Group Search</a></li> <li> <a href="#">Vehicle Search</a></li> </ul>	<h4 style="margin: 0;">Users</h4> <ul style="list-style-type: none"> <li> <a href="#">Change Password</a></li> <li> <a href="#">Add User</a></li> <li> <a href="#">User Search</a></li> </ul>	<h4 style="margin: 0;">Miscellaneous</h4> <ul style="list-style-type: none"> <li> <a href="#">Contacts</a></li> <li> <a href="#">Points of Interest</a></li> <li> <a href="#">Geofences</a></li> <li> <a href="#">Scheduled Reports</a></li> <li> <a href="#">Customizable Reports</a></li> <li> <a href="#">Send OptiSet™ Plus File</a></li> <li> <a href="#">Retrieve OptiSet™ Plus file</a></li> <li> <a href="#">Set OptiSet™ Plus Temperature Profile</a></li> <li> <a href="#">Update Unit Software</a></li> </ul>
---	--	--	--

The administration features are divided into four logical groups: Temperature; Vehicle administration; User administration and Miscellaneous.

This section of the Administration page allows the user to configure the main temperature features related to the reefer and data logger.

- Alarm Notifications
- Two-Way Commands
- Temperature Range Settings
- Data Logger Downloads
- Controller Logger Download (available in certain markets only)
- Door Alarm Settings

## 9.1 Roles

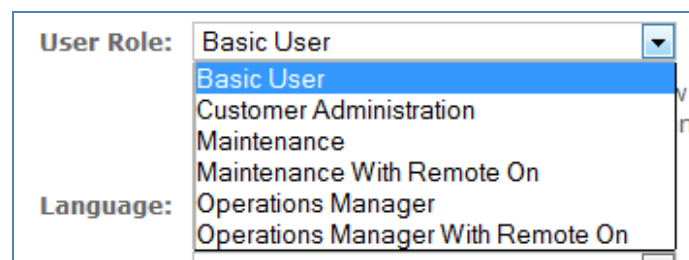
The Administrative links available to a user depends on what role the user has been assigned. The following table describes each user role.

### User Role Description

User Role	Description
Basic User	User can poll vehicles, view vehicle data, set up operations data and retrieve logger downloads.
Customer Administration	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and perform user administration.
Maintenance	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands.
Maintenance With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands including Remote On/off.
Operations Manager	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands and perform user administration.
Operations Manager With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands including Remote On/off and perform user administration.

Operations data refers to the adding, editing and deleting of Contacts, Points of Interest, Geofences, some limited vehicle data, custom and scheduled reports.

A role can be assigned to a User on the Add/Edit User page. Each role is described on this page once selected.





## Vehicle Administration

In this section, the user can manage the details of vehicles in their fleet and arrange them into groups for effect tracking and reporting. Click on a topic below for further information.

- [Add Vehicle Group](#)
- [Vehicle Group Search](#)
- [Vehicle Search](#)

## User Administration

In this section, the user can manage the people involved in the TracKing system. Click on a topic for more information.

- [Add User](#)
- [User Search](#)

## Miscellaneous

Many TracKing features provide configuration options to allow the customer to set up the system as best suits them. The administration of these features is handled in this section. Click on a topic for more information.

- [Contacts](#)
- [POI Maintenance](#)
- [Geo Fence Administration](#)
- [Customizable reports](#)
- [Scheduled Reports](#)

## 9.2 Alarm Notifications & Events

TrackKing can be configured to notify contacts when certain alarms occur. Any notifications which have been configured are listed on this Alarm Notifications page, accessed from the [Temperature](#) section.

### Notifications

Notifications - Customise your notifications here.

	Notification Name	Notification Type
<input checked="" type="radio"/>	Eduardo's Alarm	E-mail & SMS
<input type="radio"/>	David's	E-mail
<input type="radio"/>	Alex's Alarms	E-mail
<input type="radio"/>	USAlarmNotifs	E-mail & SMS
<input type="radio"/>	Dave A	E-mail

[Add](#)
 [Edit](#)
 [Delete](#)
 [Back](#)

### Add

Click the Add icon to add a new alarm notification. This will open the [Add/Edit Alarm](#) page.

### Add Notification

**Alarms Types**

Available		Selected
All Check & Prevent Alarms.	>>	
All Shutdown Alarms.	<<	

Notify when Selected Cleared

**Specific Alarms**

Available		Selected
1 - Microprocessor Power Up Reset	>>	
2 - Check Evaporator Coil Sensor	<<	
3 - Check Return Air Sensor		
4 - Check Discharge Air Sensor		
5 - Check Ambient Temp Sensor		
6 - Check Coolant Temp Sensor		
7 - Check Engine RPM Sensor		
8 - Unit Running on Coil Sensor		

Notify when Selected Cleared

You can be notified on any alarm. You can also be notified by alarm type.

### Edit

To edit an alarm:

1. Select the alarm by clicking the radio button next to it.
2. Click the Edit icon to open the [Add/Edit Alarm](#) page.

### Delete

To delete an alarm:

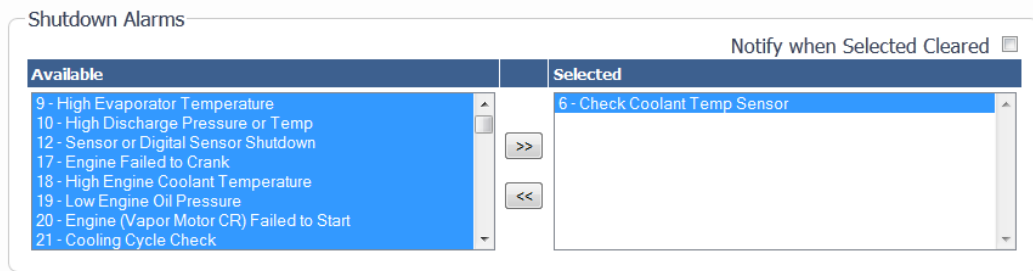
1. Select the alarm by clicking the radio button next to it.
2. Click the Delete icon.

### Add/Edit Alarm

The Alarm Details section of this page allows the user to define the settings for an alarm. The options are explained in more detail below.

**Note:** The screenshot below shows a scrollable window with the alarms which are available for notifications.

## Edit Notification



### Alarm Notification Name

This is the name by which the alarm will be identified in the [Alarm Notification list](#) and elsewhere in the system.

### Select All

This enables all the alarms.

### Alarm Conditions

The alarm conditions consist of a code (e.g. 96) and a description (e.g. Low Fuel Level). The full list of alarm types will be displayed when the user opens the alarms notifications page.

Check the box next to the alarm condition which is to be included in this particular list.

### Notification Type

Notification can be via SMS or email, or a combination of both.

### Recipients

Enter the people who should be notified in the event of this alarm. Recipient must be added as a contact in order to appear in this list.

### Confirm

Click 'Confirm' to save any changes.

### How Alarm Notifications Work

When an alarm occurs that has a notification associated with it (defined in alarm notification list, Temperature alarms and Door alarms), the notification will be sent once to the recipients and will not be resent until either the alarm is cleared on the Reefer and re-occurs or the alarm clears automatically (e.g. when Temperature comes back in range) and re-occurs.

### Event Notification

This feature allows users to be notified of specific events. These are

**Controller On or Off:** If the Controller is turned On or Off Locally or Remotely the user can be immediately\* notified by Email or SMS or both.

**Door Open or Close:** Should a door be opened or Closed the user(s) will be immediately\* notified of the event by Email or SMS or both.

**Set Point Change:** Any change in Set Point either Locally or Remotely will be immediately\* notified to the user(s) by Email or SMS or both.

**Mode Change:** Any change in Mode either Locally or Remotely will be immediately\* notified to the user(s) by Email or SMS or both.

**Fuel Level Change:** Should the fuel level change by more than 25% between 2 consecutive readings the user(s) will be immediately\* notified of the event by Email or SMS or both. This setting can be configured for fuel level increases, decreases, or both.

\*Note the speed of notification is dependent on GSM coverage and may be significantly delayed if the units is out of coverage

**Event Details**

Available	Selected
	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">&gt;&gt;</div> <div style="flex-grow: 1;"> <ul style="list-style-type: none"> <li>Controller Off</li> <li>Controller On</li> <li>Door Close</li> <li>Door Open</li> <li>Fuel Level Decrease</li> <li>Fuel Level Increase</li> <li>Mode Continuous</li> <li>Mode CycleSentry</li> </ul> </div> <div style="margin-left: 5px;">&lt;&lt;</div> </div>

**Vehicle Request Details**

Available	Selected
	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">&gt;&gt;</div> <div style="flex-grow: 1;"> <ul style="list-style-type: none"> <li>Optiset™ Send Remotely</li> <li>Optiset™ Set Named Profile</li> <li>Optiset™ Set Numeric Profile</li> <li>Two Way Clear Alarms</li> <li>Two Way Continuous</li> </ul> </div> <div style="margin-left: 5px;">&lt;&lt;</div> </div>

**Notification Details**

Notification Name

Notification Type Email & SMS

SMS alerts incur an additional charge

Recipients 1 Choose contact

Recipients 2 Choose contact

Recipients 3 Choose contact

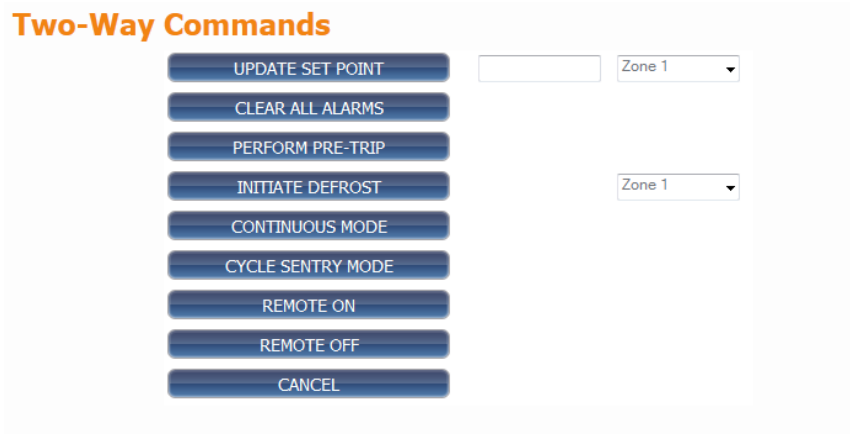
Recipients 4 Choose contact

CONFIRM
CANCEL

## 9.3 Two-Way Commands

Two-way commands allow the user to change a range of settings on the reefer/fridge. A detailed understanding of these settings is required to select appropriate values. Please refer to the Thermo King Reefer manuals and training notes for more detailed information.

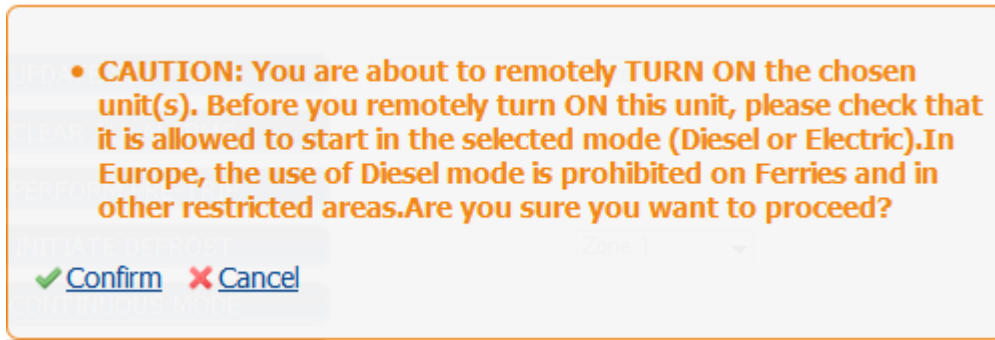
When opened, the Two-Way Commands page displays the following information:



The user can manipulate the following features on the reefer:

- **Set Point**  
The user can select a new set point value for a specific zone. Clicking the Update Set Point button will change the value on the reefer.
- **Clear Alarms**  
Click the Clear All Alarms button to clear all alarms.
- **Pre-Trip**  
Clicking the Perform Pre-Trip button will run a series of self-tests on the reefer to ensure that it is fully functioning before beginning a trip.
- **Defrost**  
Select the relevant zone and click on Initiate Defrost to initiate a defrost on the reefer.
- **Continuous Mode**  
Click the Continuous Mode button to set the reefer's mode of operation to Continuous. This will determine how the user can control the set points. Please refer to the reefer documentation for more information.
- **Cycle Sentry Mode**  
Click the Cycle Sentry Mode button to set the reefer's mode of operation to Cycle Sentry. This will determine how the user can control the set points. Please refer to the reefer documentation for more information.
- **Remote On**  
This command remotely turns on the Controller.  
**Warning!!: This command allows the user to turn on the reefer remotely. Please ensure operators and Drivers and anyone that may come in contact with the Reefer have been warned of this possibility.**

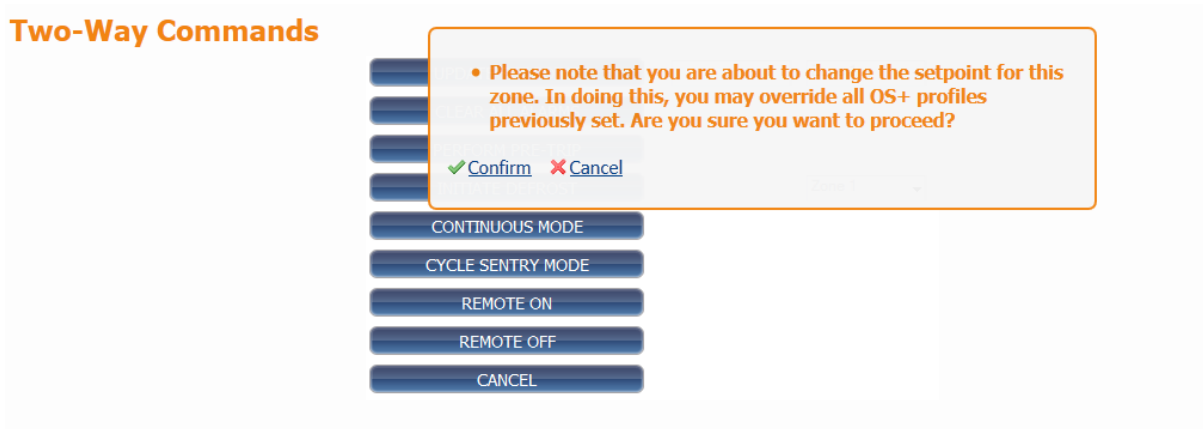
The following warning message is displayed for the users when selecting the “Remote On” command.



- **Remote Off**  
This command remotely turns off the Controller

**Note:** The system will display a warning message before changing any of these settings on the reefer. Click OK to proceed to change the settings.

### Two-Way Commands



### Multiple Vehicle support

TrackKing allows the user to select Multiple vehicles from the Vehicle Tree.

**Warning!:** Please ensure you have selected the correct Vehicle or Vehicles before proceeding with the command.

## 9.4 Temperature Range Settings

The Temperature Range Settings administration page allows the user to set the allowable temperature ranges for different zones on a vehicle. Settings can be applied to a single vehicle, or to a number of vehicles in a fleet.

### Single Vehicle

To set the temperature range for a single vehicle:

1. Select the vehicle using the Vehicle Selection menu.

The following screen is presented for setting the temperature ranges:

### Configure temperature range settings

Out of Range Alarm settings

Current Temperature Setting: Celsius

	Zone 1	Zone 2	Zone 3
High Temperature	<input type="text"/>	<input type="text"/>	<input type="text"/>
Low Temperature	<input type="text"/>	<input type="text"/>	<input type="text"/>
Range Relative to	No Value	No Value	No Value
Out of Range Time	No Alarm	No Alarm	No Alarm

Out of Range Time dropdown options: No Alarm, 1 Minute, 5 Minutes, 10 Minutes, 15 Minutes, 30 Minutes, 1 Hour, 1 ½ Hours, 2 Hours, 2 ½ Hours, 4 Hours, 8 Hours

CANCEL

Contact Us User Guide

2. The user should complete the following fields:

- **High Temperature**

Upper temperature limit of Return Air Sensor (except where Independent Sensor is selected).

- **Low Temperature**

Lower temperature limit of Return Air Sensor (except where Independent Sensor is selected). The Negative “-“ sign is only needed when Range is relative to absolute. Therefore for Range Relative to Set point or Independent Sensors the sign is not needed. As an example to set the alarm range to 2 degrees above and below a set point the High Temperature is set to 2 and the Low Temperature is set to 2.

- **Range Relative To**

Select one of the following from the drop down menu:

**Absolute Value:** This is the actual value of return air checked against the High and Low setting to determine an alarm.

**Set point:** This alarm will trigger when the Return Air Sensor varies outside the High and Low limits relative to the set point.

**Independent Sensor 1-6:** This uses the independent sensor of DAS or CargoWatch to verify the temperatures. The selected independent sensor is used to verify the temperature against Set Point, so the alarm will trigger when the Independent Sensor varies outside the High and Low limits

- **Out of Range Time**

Set to with/without alarm. With alarm enabled, the Out of Range time can be set between 1 minute and 8 hours.

3. Once these fields have been completed for each zone, click the Confirm button to download the settings.



- Once an alarm occurs only one notification is sent until the alarm is reset or is cleared.

## Multiple vehicles

Select multiple vehicles in the [Vehicle Selection](#) menu, and then follow steps 1 to 4 above. When confirmed, the settings are downloaded to all the selected vehicles.

### Temperature Range Settings

Configure temperature range settings

[Click here to configure a single vehicle »](#) [Click here to configure multiple vehicles »](#)

---

[Back](#)

The screenshot shows the TrackIng web application interface. At the top is a navigation menu with the following items: TRACK VEHICLES, MAPS, DATA MANAGEMENT, ADMINISTRATION, PREFERENCES, ALARMS, KPI CHARTS, and LOGOUT. Below the navigation menu, there are two main panels. On the left is the 'Vehicle Selection' panel, which contains a search input field and a list of vehicles. Each vehicle entry has a checked checkbox and a small vehicle icon. The vehicles listed are: 353867945915, 353867952955, 353868244198, Bernard, Razor 2 (7865642), Razor 4 (0407793), Razor 7865847 (Joe), Razor Bruno, Razor Ed 0406468, Razor Ed Dev 1, and Razor Mike 0406391. On the right is the 'Settings' panel, which has a heading 'Settings' and a link: [Click here to configure multiple vehicles »](#). The TrackIng logo is visible in the top left corner of the interface.

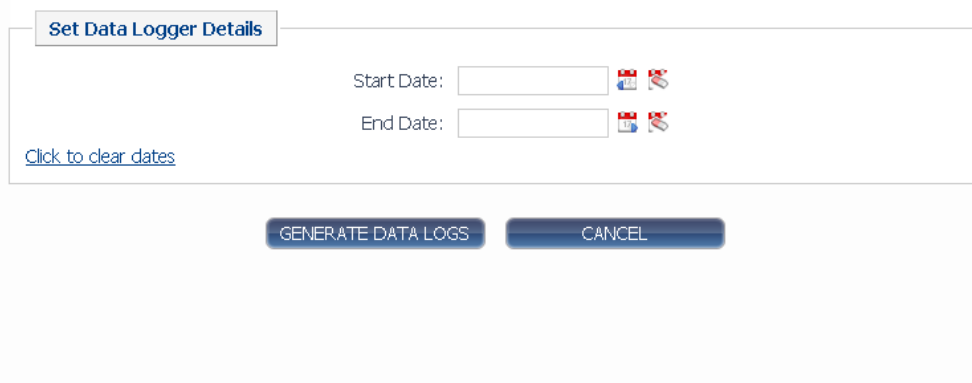
## 9.5 Data Logger Downloads

The Data Logger Downloads administration page allows the user to download data from the loggers installed on the fleet. Reports can then be generated from the data and saved to a compressed folder on the local PC.

**Note:** Do not use this area for TKDL downloads.

When the administration page opens, the following information is displayed:

### Data Logger Downloads



To generate data logs:

- 1) First, select the vehicle from which the data should be downloaded.
- 2) Set the timer period from which the data is to be used by typing values into the Start Date and End Date boxes. Alternatively, use the calendar buttons.
- 3) Click the Generate Data Logs button.
- 4) This will allow the user access to a Zip file that contains the previously downloaded data (downloaded once a day) that once extracted can be opened with Wintrac.

## 9.6 Controller Logger Downloads

**Available in certain Markets only**

This works in the exact same way as the Data Logger Downloads but is for the data from the Service Watch port of the SR2 Controllers

## 9.7 Door Alarm Settings

The door alarm settings section allows the user to configure the frequency that door alarms will be generated. It applies to vehicles with door switch sensors installed. Configuration can be changed for one vehicle or multiple vehicles at once.

### Door Alarm Settings

Configure door alarm settings

 [Click here to configure a single vehicle »](#)  [Click here to configure multiple vehicles »](#)

Change time frequency of alarms. This allows the user to determine the dwell time before an alarm is generated after a door opening. Time can be set between 10 and 240 minutes.

### Configure Door Alarm Settings

Door Alarm settings

	Door 1	Door 2	Door 3
Door Alarm Configuration	No Alarm <input type="button" value="v"/>	No Alarm <input type="button" value="v"/>	No Alarm <input type="button" value="v"/>

## 9.8 *Vehicle Administration*

This section of the Administration page allows the user to edit vehicle and vehicle group details.

The options are:

- Add Vehicle Group
- Vehicle Group Search
- Vehicle Search

## Adding Vehicles

Once on your system, vehicles can be added/removed from groups and assigned to different users, and all their downloaded data will be logged.

However, vehicles can only be added to the system by Thermo King - there is no Add Vehicle feature available to the customer in the TracKing application.

This is necessary as new vehicles need to be configured on the [server](#), and they must also have the correct hardware installed.

Please contact [support](#) for assistance in adding new vehicles from your fleet to the system.

## Add Vehicle Group

This page allows the user to add a new vehicle group. To do this:

1. Enter a group name.
2. Click the 'Confirm' button.



The screenshot shows a web form titled "Add Vehicle Group". The form contains a single text input field with the label "Group Name \*" and the text "Example Group" entered. Below the input field are two buttons: an orange button labeled "CONFIRM" and a blue button labeled "CANCEL".

When confirmed, the [Vehicle Group List](#) will be displayed with the new group added.

## Vehicle Group List

The vehicle group list is displayed when:

1. The user adds a new vehicle group, or
2. When a Vehicle Group Search is performed.

The page appears as follows:

### Vehicle Group List

Vehicle Group list for Test Customer 1.

	Group Name	
<input checked="" type="radio"/>	Continental	<a href="#">Vehicles</a>
<input type="radio"/>	Early Deliveries	<a href="#">Vehicles</a>
<input type="radio"/>	East Coast	<a href="#">Vehicles</a>
<input type="radio"/>	Late Deliveries	<a href="#">Vehicles</a>
<input type="radio"/>	Monthly	<a href="#">Vehicles</a>
<input type="radio"/>	Overnight	<a href="#">Vehicles</a>
<input type="radio"/>	Test Vehicle Group 1	<a href="#">Vehicles</a>
<input type="radio"/>	United Kingdom	<a href="#">Vehicles</a>
<input type="radio"/>	Weekend	<a href="#">Vehicles</a>
<input type="radio"/>	Weekly	<a href="#">Vehicles</a>

11 items found, displaying 1 to 10.  
 [ « First / Prev ] 1, 2 [ Next / Last » ]

---

[View All Vehicles](#)
 [Add](#)
 [Edit](#)
 [Delete](#)
 [Search](#)

## Navigating the List

Click on the 'Group Name' column heading to re-order the list in ascending/descending alphabetical order.

For more than ten groups, the list is split across multiple pages. Use the First/Prev, Next/Last or Page Number links at the bottom of the list to navigate through the pages.

## Vehicle Details

To see what vehicles are assigned to a particular group, click the 'Vehicles' link in-line with the group of interest. This will open the [Vehicle Details](#) page.

## Options Icons

### View All Vehicles


Click the View All Vehicles icon to open a list containing all vehicles configured on the system.

#### Add

Click the Add icon to open the [Add Vehicle Group](#) page.

#### Edit

To change the details of a group:

1. Click the radio button next to the group name to select it.
2. Click the edit icon  [Edit](#) to open the user page.
3. Modify the group details as required
4. Click confirm.

#### Delete

Select the group to be deleted and click the delete icon. The user will be asked to confirm this action.

**Note:** A group cannot be deleted if it has vehicles assigned to it.

#### Search

Click the search icon to open the [Vehicle Search](#) page



## Vehicle Group Search

This search page enables the user to search for Vehicle Groups which are configured on the system.

1. Enter the name (whole or partial) to search for in the text box.

**HINT:** To see a list of all groups, leave the text box blank and click 'Confirm'.

2. Click 'Confirm' to begin the search.



The screenshot shows a search interface titled "Vehicle Group Search". It features a text input field labeled "Group Name \*" with a small rectangular box to its right. Below the input field are two buttons: "SEARCH" and "CANCEL".

When the search is complete, the results will be displayed in the [Vehicle Group List](#).

## Vehicle Search

The vehicle search page allows the user to search for a vehicle using specific search criteria.

To find a vehicle:

1. Enter search values in the text boxes.

**Note 1:** The boxes marked with an asterisk \* may be partially filled or left blank if the exact information is not known.

**Note 2:** To see a list of all groups, leave the text boxes blank and click 'Confirm'. A list of all vehicle groups will appear.

2. Select values from the drop down menus.
3. If required, enter a date and time in the format **dd/mm/yy hh:mm**, or select a date using the calendar icons.

### Vehicle Search

Note - partial searches permitted for fields marked \*

The screenshot shows a 'Vehicle Search' form with the following fields:

- Vehicle Name \*
- Mobile Number \*
- Sim Number \*
- MAC Address \*
- Box Number \*
- Vehicle Icon (No Value Selected)
- Product (No Value Selected)
- Active (All)
- Fitted between (two date/time pickers)
- and (two date/time pickers)

Buttons: CONFIRM, CANCEL

4. Click confirm to begin the search.

When complete, the results will be displayed in the [Vehicle Details](#) page.

The following fields are set by Celtrak and are rarely used in user searches:

**Product:** A number related to the hardware installed on fleet vehicles.

**Fitted (between/and):** The date on which the hardware was installed.

## Vehicle Details

This page displays a list of vehicles configured on the current TracKing system.

The list is displayed as a result of a [vehicle search](#), and appears as follows:

[Edit](#) [Search](#) [Apply Group Changes](#)

### Vehicle Details

	Vehicle Name	Mobile Number	MAC Address	Date Fitted	Group
<input checked="" type="radio"/>	09G2146	+xxx35386232480		16/07/12	No Group Selected ▾
<input type="radio"/>	272023114255854	+xxx3538660006970			No Group Selected ▾
<input type="radio"/>	AMG Razor 2569167	+xxx35386256916			No Group Selected ▾
<input type="radio"/>	Dev Static 3	+xxx35386858139		05/02/07	No Group Selected ▾
<input type="radio"/>	Maire 8515943 (B-QB-657F-4S)	+xxx35386851594			No Group Selected ▾
<input type="radio"/>	Razor 0406468	+35386040646			TK Units ▾
<input type="radio"/>	REB +353860407137	+3538604071:	000DF08D4533		TK Units ▾
<input type="radio"/>	Test Unit (Eddie Kilbane)	+xxx35386257141			No Group Selected ▾

8 items found, displaying all items.

[Edit](#) [Search](#) [Apply Group Changes](#)

## Navigating the List

Click on the 'Group Name' column heading to re-order the list in ascending/descending alphabetic/numerical order relative to that column.

For more than ten vehicles, the list is split across multiple pages. Use the First/Prev, Next/Last or Page Number links at the bottom of the list to navigate through the pages.

## Icons

### Go Back to Groups

[Go Back to Groups](#)

Click to return to the [Vehicle Group List](#) page.

## Edit



Brings the user to the [Vehicle Maintenance](#) page.

## Search



Click to open the [Vehicle Search](#) page

## Apply Group Changes



The user can change which group a selected vehicle belongs to by choosing the new group from the drop down menu and clicking of the 'apply Group Changes' icon.

## Vehicle Maintenance

The vehicle maintenance page allows the user to update details about a particular vehicle when required. It is accessed by selecting a vehicle in the [Vehicle Details](#) list, and then clicking the Edit link.

It is recommended that users only change the Vehicle name. If changes are required for any other field, please contact [support](#).

To update the vehicle name:

- Change the Vehicle name.
- Click 'Confirm'.

**Vehicle Maintenance**

Vehicle Name *	<input type="text" value="Daily Deliveries"/>
Box Number	<input type="text"/>
Additional Vehicle Info/Driver Name	<input type="text"/>
Vehicle Make	<input type="text"/>
Model	<input type="text"/>
Mobile Number †	<input type="text" value="+xxx353862569167"/>
Sim Number †	<input type="text" value="8935302112590177330"/>
MAC Address †	<input type="text"/>
Shipped Date	<input type="text" value="19/04/2012"/>
Fitted Date	<input type="text"/>
Country*	<input type="text" value="United States"/>
Group	<input type="text" value="No Group Selected"/>
Vehicle Icon*	<input type="text" value="truck"/>
Product*	<input type="text" value="557357-1"/>
	Basic TK Razor (O2)
Nightly Download	<input type="checkbox"/>
Active	<input type="checkbox"/>
External Id	<input type="text"/>
Notes	<div style="border: 1px solid #ccc; height: 50px; width: 100%;"></div>

Thermo King Specific Data

Service Level <input type="text" value="Platinum"/>	Logging Interval (Min)(On) <input type="text" value="60"/>
PO Number <input type="text"/>	Logging Interval (Min)(Off) <input type="text" value="60"/>
Release Number <input type="text"/>	Activation form received <input type="checkbox"/>
Thermo king Serial Number <input type="text"/>	Reefer Type <input type="text"/>
Fuel Tank Size <input type="text" value="100"/>	Cryo CO <sub>2</sub> Tank Size <input type="text" value="0"/>
Fuel Unit <input type="text" value="Litres"/>	Geofence Type <input type="text" value="Dynamic"/>
Port A Device <input type="text" value="SR4_TRAILER_ST"/>	Port B Device <input type="text" value="SR4_HMI"/>
ThermoKing Firmware Version <input type="text" value="Port A Device SR4_TRAILER_ST Version 8089 Port B Device SR4_HMI Version 9A4C"/>	
Door Switch 1 <input checked="" type="checkbox"/>	Door Lock <input checked="" type="checkbox"/>
Door Switch 2 <input checked="" type="checkbox"/>	Auto DataLogger Download <input type="checkbox"/>
Door Switch 3 <input checked="" type="checkbox"/>	Auto Service Watch Download <input type="checkbox"/>
Unit Model Type <input type="text" value="No Value Selected"/>	

Notes:

- Setting the Fuel Tank size to zero means that there is no fuel sensor connected and that fuel level will not be displayed on the Tracking page.
- For Static Geofence Types, the TKTracKing server determines if a unit is in a Geofence. This check is performed at each logging interval.
- Dynamic Geofence Types support the loading of actual Geofence configuration information to the Telematics unit. The unit determines whether the Geofence is active and if the vehicle is inside the Geofence.
- In order for door data to be displayed on the Tracking List, the door switches need to be checked in this section.

## 9.9 User Administration

TracKing may be used by many different people across a customer organization as the tracking features and data it provides are useful to a range of business functions.

This section of the Administration allows the addition of new users to the system, and searches for existing users.

The two options are:

- Change Password
- Add User
- User Search

## Add New User

This page enables the customer to add new users to their TracKing system.

To add a new user:

1. Complete the dialog box with the user name and password. A valid e-mail address should be used for the username.
2. Set the user's Time Zone and Language via the drop-down menu.
3. Tick the 'Administrative Access Granted' tick box if the user is to have [admin-level](#) access rights. Leave un-ticked if the user is to have [basic-level](#) access.
4. Tick the 'Active' box to make the new user's account active.

### Add / Edit User

Fields marked \* must be supplied.

Add / Edit User

User Name \*

Select User's Time Zone (UTC-05:00) Eastern Time (US & Canada) ▼

User Role  ▼

Date Format English ▼

Active

5. Click 'Confirm' to complete the addition of the new user.

The [user list](#) is then displayed with the new user added



## User List

This page displays a list of users configured on the system.

The list is displayed as a result of:

- Adding a [new user](#), or,
- Performing a [user search](#).

The list is displayed as follows:

**User List**  
User list for AMG Dealer 1 Master 1 Sub 3

Username	Groups
AMGDealer1MasterCustomer1Sub3User1@celtrak.com	Groups
green@hotmail.com	Groups

2 items found, displaying all items.

[Add](#) [Edit](#) [Search](#) [Delete](#)

## Reordering the List

To reorder the list:

1. Click on the 'Username' column heading to arrange the list in alphabetical order.
2. Click on the 'Administrator' column heading to group the users with admin-level access.

## Credits

The Total Credits value which is displayed is generated by Celtrak but is not applicable to system users and can be ignored.

## Groups

To add a user to a group:

1. Click on 'Groups'.
2. In the Group List window, check the boxes next to the groups they are to be assigned to.

The 'Group List' dialog box contains the following items:

- Late Deliveries
- Select All Groups
- Early Deliveries
- Test Vehicle Group 1

At the bottom of the dialog are two buttons: CONFIRM and CANCEL.

3. Click confirm to save the settings and return to the User List.

For more information on knowing what groups are available, see the [Vehicle Group Search](#) page.

## Add

Click on the add icon  [Add](#) to add a new user to the list.

## Edit

To change the account details or access rights of a user:

1. Click the radio button next to their name to select them.

2. Click the edit icon  [Edit](#) to open the user page.

### Add / Edit User

Fields marked \* must be supplied.

The 'Add / Edit User' form contains the following fields:

- Customer \* (Dropdown menu: No Value Selected)
- User Name \* (Text input field)
- Select User's Time Zone (Dropdown menu: (UTC) Dublin, Edinburgh, Lisbon, London)
- User Role (Dropdown menu: Basic User)
- Description: User can poll vehicles, view vehicle data, set up operations data and retrieve logger downloads.
- Date Format (Dropdown menu: English)
- Active
- Mobile User

CONFIRM CANCEL

3. Modify the account details as required. Note only valid email addresses should be used for the username.

## Search

To search for a user, click the search icon  [Search](#) and enter a user name (whole or partial).

**HINT:** To see a list of all users, leave the text box blank, then click 'Confirm' to perform the search.

## User Search

This search page enables the user to search for a user configured on the system.

1. Enter the name (whole or partial) to search for in the text box.

**HINT:** To see a list of all users, leave the text box blank and click 'Confirm'. A list of all the users will appear.

2. Click 'Confirm' to begin the search.



When the search is complete, the results will be displayed in the [User List](#).

## Delete User

Customers cannot delete users from the system. To disable the account, [edit](#) the password to be something else so that the user can no longer access the system.

Then email [support](#) to remove the user from the system completely.

## **9.10 Miscellaneous Administration**

The Miscellaneous Administration page provides access to configuration pages for a number of different features of the TrackKing system. These are listed below. Click on a link for more information on a particular feature.

- [Contacts Administration](#)
- [POI Maintenance](#)
- [Geo Fence Administration](#)
- [Customizable Reports](#)
- [Scheduled Reports](#)
- [Send OptiSet™ Plus File](#)
- [Retrieve OptiSet™ Plus File](#)
- [Set OptiSet™ Plus Temperature Profile](#)
- [Update Unit Software](#)

## Contacts

In the TrackKing system, contacts are people who can be notified when certain events, e.g. alarms, occur.

Their details should include a contact telephone number and email address.

All of the contacts configured on the system are shown on the initial Contacts page, as shown in the screenshot below.

### Contacts

	Contact Name	Mobile Number 1	E-mail 1
<input type="checkbox"/>	Brian Murphy	35382283998	brian.murphy@email.com
<input type="checkbox"/>	James McEvoy	35382349885	james.mcevoy@email.com
<input checked="" type="checkbox"/>	Rachel O'Connell	353823439987	rachel.oconnell@email.com

3 items found, displaying all items.

---

[Add](#)
 [Edit](#)
 [Delete](#)
 [Search](#)

## Add



To add a new contact to the list, click the Add icon and fill in the details on the [Add/Edit Contact](#) page.

## Edit



To edit a contact:

1. Select the contact by ticking the box next to their name.
2. Click the Edit icon and modify the details on the [Add/Edit Contact](#) page.

## Delete



To delete a contact:

1. Select the contact by ticking the box next to their name.
2. Click the Delete icon.
3. On the Confirm Deletion page, click 'Confirm'

## Confirm Deletion

Are you sure you want to delete the following contacts:

♦ Rachel O'Connell

✓ [Confirm](#) ✗ [Cancel](#)

## Search



To search for a contact, click the Search icon, then enter the name to search for in the search box:

### Search Contacts

Append the % character for a wildcard search

Search Contacts

Contact Name

SEARCH

CANCEL

**NOTE:** The '%' character acts as a wildcard, i.e. the search will return all matches which begin with the letters before the % character.

## Add / Edit Contact Details

This page allows the user to add a new contact to the system, or edit an existing contact's details.

To add a contact:

1. Enter the contact's name in the Personal Details section.
2. Enter their email address - this is the address alerts will be sent to if they are configured as a contact for an alarm.
3. Enter a contact telephone number at which they can be contacted.
4. Choose Miles per hour (MPH) or Kilometers per hour (KPH) as the units in which their speed will be measured where relevant.
5. Click 'Confirm' to add the contact to the system.

To edit existing contacts details:

1. Modify the fields which require change.
2. Click 'Confirm' to save the changes.

A screenshot of the Add/Edit Contact page is shown below.

## Add / Edit a Contact

Personal Details

Contact Name

Contact Details

	Email	Number
1	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
2	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
3	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
5	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

The mobile number should be prefixed with '+' and the international dialing code.

Speed Type

Speed Measurement  KPH  MPH

Temperature Type

Temperature Type  Celsius  Fahrenheit

Contact Preferences

The fields below are to ensure that any messages sent are formatted in the preference of that contact

Language

Timezone

CONFIRM
CANCEL

Note: Phone numbers are entered in the format + followed by the international dialing code and then the numbers e.g. for a US number 611 123 1234 you should enter +16111231234, for a UK number 0123 1234567 it should be entered as +441231234567 (note drop the leading “0” on European numbers).

## Points of Interest Maintenance

This menu displays a list of all the points of interest which are configured on the system. These are locations of interest to the customer, such as depots or delivery points, and can be represented on the map as a POI icon.

Sort the list by description, longitude or latitude by clicking on the appropriate column heading.

### Points Of Interest

	Description	Longitude	Latitude
<input type="checkbox"/>	A	-6.072	53.391
<input type="checkbox"/>	Ard	-6.386	53.602
<input type="checkbox"/>	ballyands	-6.191898	53.256461
<input type="checkbox"/>	Buse	-6.345153	53.297736
<input type="checkbox"/>	NewLands	-6.391293	53.313003
<input type="checkbox"/>	Bray	-6.141228	53.198653
<input type="checkbox"/>	Bray Cross	-6.140924	53.199111
<input type="checkbox"/>	CityWest	-6.435923	53.290139
<input type="checkbox"/>	Cork Depot	-8.405	51.965
<input type="checkbox"/>	D	-6.353293	53.271309

58 items found, displaying 1 to 10.  
 [ « First / Prev ] [1](#), [2](#), [3](#), [4](#), [5](#), [6](#) [ [Next](#) / [Last](#) » ]

---

[Add](#)
 [Edit](#)
 [Delete](#)
 [Search](#)

## Add



Click the Add icon to add a new POI. This will open the [Add/Edit POI](#) page. However, unless the longitude and latitude is known in advance, it is better to use one of the approaches described in the [Add New Point of Interest](#) page.



## Edit



To change the details of a Point of Interest:

1. Select the Point of Interest by ticking the box in the leftmost column.

Click the Edit icon to open the Add/Edit POI page.

## Delete



To delete a Point of Interest:

1. Select the Point of Interest by ticking the box in the leftmost column.
2. Click the delete icon.

## Search



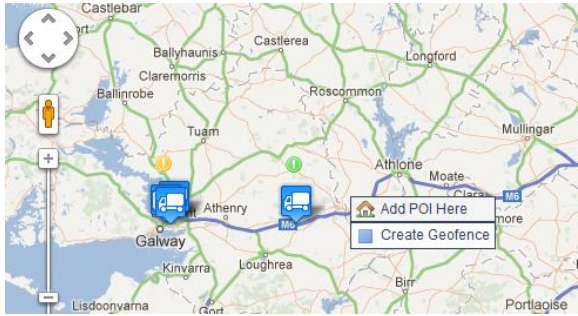
To search for a particular POI, click the search icon to open the [search](#) page.

## Add New Point of Interest

To add a new point of interest, the system must know the latitude and longitude of the locations.

There are four ways of adding a point of interest:

1. if the user already knows the latitude and longitude of the location:
  - a) Open the Points of Interest page in the Administration Menu and click the 'Add' icon.
  - b) In the [Add/Edit Points of Interest](#) page which then opens, type in the latitude and longitude values and complete the remainder of the form.
2. Using a vehicle location on a map:
  - a) Right-click on the map to display the 'Add POI' button. Note you can right click on any part of the map to create a new POI. You can use a specific vehicle position to create a POI.



- b) Click the 'Add new POI' link.
  - c) The [Add/Edit Points of Interest](#) page will open with the latitude and longitude values already populated.
  - d) Complete the remainder of the form.
3. Using a report [useful where a vehicle has visited POI at an earlier time]:
    - a) Open a report which logged a vehicle at the POI, for example, a [position history report](#).
    - b) Scroll to the entry for that location.
    - c) Click on the location to display it on the map page - the map now has the longitude/latitude of this point.
    - d) Right-click on the location to display the 'Add POI' button.
    - e) Click the Add POI button.
    - f) The [Add/Edit Points of Interest](#) page will open with the latitude and longitude values already populated.
    - g) Complete the remainder of the form.
  4. Select any position on the map
    - a) Right-click on the location to display the 'Add POI' button.
    - b) Click the Add POI button.
    - c) The Add/Edit Points of Interest page will open with the latitude and longitude values already populated.
    - d) Complete the remainder of the form.

## Add/Edit Point of Interest

When [adding](#) or [editing](#) a Point of Interest, the form shown in the screenshot below is displayed:

1. Make any required changes to the fields.
2. Click 'Confirm' to save the changes.

POI Details

Longitude   
Latitude   
POI Description

POI Image

A description of the associated Icons is listed below:

	Building Site
	Depot
	Factory
	Hospital
	General
	Service Station
	Shop
	Workshop
	Hazard
	Bridge
	Junction
	Slipway

## Search Points of Interest

This page allows the user to search for a particular Point of Interest by full or partial name.

Click 'Confirm' to begin the search. The results will be displayed in the [Points of Interest](#) list.

Search for a POI

POI Description\*

## Geo Fence Administration

On the Geo Fence Administration page, all the Geo Fences which are currently configured on the system are displayed. The list shows the Geo Fence name, and also the notification events that it is currently **configured** for.

To re-order the list, click on any of the column headers.

### Geofences

Description	Notify on Registration	Notify on Deregistration	Notify on Movement	Creation Date
<input checked="" type="radio"/> Sitra HQ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	08/11/11 10:33:23

One item found.

Add
 Edit
 Delete
 Assign
 Back

## Add



To add a new Geo Fence, click Add. This opens the map page and the user can then click the **Geo Fence icon** to add a new Geo Fence. To see more details on this process refer to section 6.11.

## Edit



To change any Geo Fence settings:

- 1) Select the Geo Fence by clicking the radio button next to it
- 2) Click the edit icon to edit the details of the Geo Fence and the boundaries

## Delete



To remove a Geo Fence from the system:

1. Select the Geo Fence by clicking the radio button next to it.
2. Click the delete icon.

## Assign

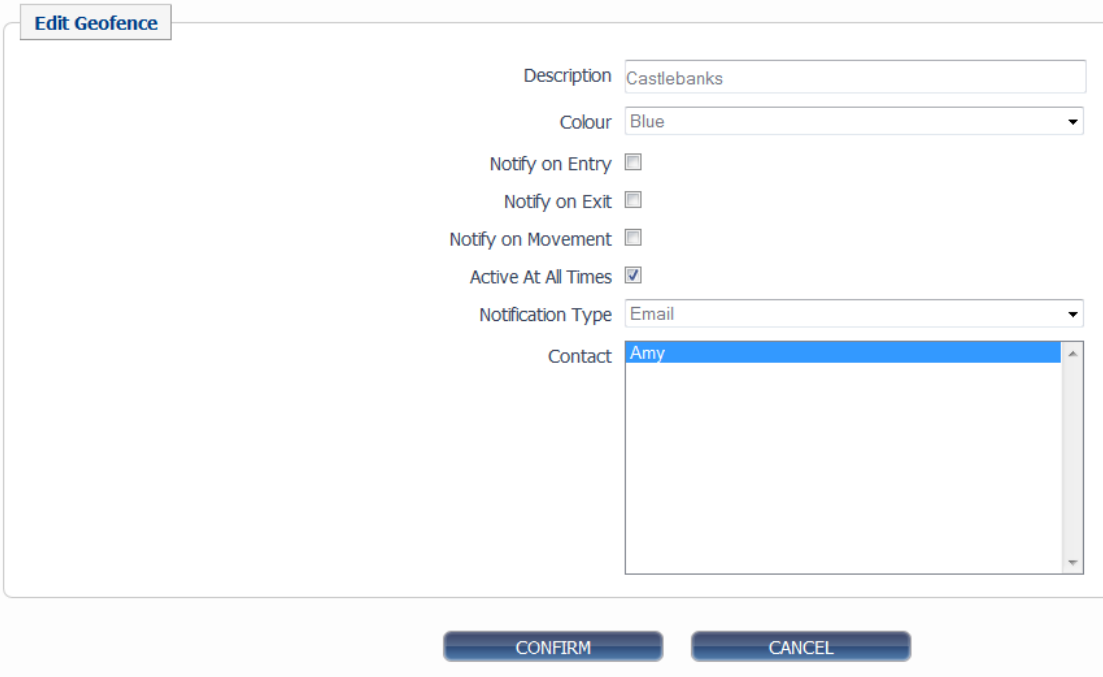


On the Assign Geofences page, the user must select to assign by Geofence or to assign by vehicle.

## Edit Geo Fence

This page allows the user to modify the settings associated with a Geo Fence.

An example screenshot is shown below, followed by an explanation of the different fields.



**Edit Geofence**

Description

Colour

Notify on Entry

Notify on Exit

Notify on Movement

Active At All Times

Notification Type

Contact

### Description

This is the description/name of the Geo Fence, and how it will be referenced on the [Geo Fence list](#).

### Color

This sets the color in which the Geo Fence will be displayed on the [Maps](#) page. The following colours are allowed for a Geofence:

- Blue
- Red
- Green
- Yellow
- White
- Orange

### Notify On Entry

If this is selected, the system shall notify selected contacts when the vehicles associated with a particular Geofence are now active inside that Geofence. This is deselected by default.

### Notify on Exit

If this is selected, the system shall notify the contacts specified when the vehicles associated with this Geofence exits the Geofence. This is deselected by default.

### Notify On Movement

Tick this box if a notification should be generated by any movement within the Geo Fence boundaries by the vehicle/trailer when the controller is off.

### Active all Times

This specifies that the Geofence is active 24 hours a day 7 days a week. This is selected by default. For vehicles using static Geofences, these are active all the time. If the user deselects this value, the following screen shall be displayed:

Edit Geofence

Description

Colour

Notify on Registration

Notify on Deregistration

Notify on Movement

Active At All Times

Geofence Time Zone

Start Day	Start Time	End Day	End Time	
Mon	12:15	Sun	13:15	Delete
Tue	18:15	Wed	06:15	Delete
Add Row				

Notification Type

Contact

### Time Zone of Geofence

The Geofence must be associated with a valid time zone. This is the local time zone for the region where the Geofence has been created.

### Day of Week

Each row here relates to the day of the week that the Geofence can be active.

### **Start Time**

Each row here relates to the day of the week that the Geofence can be active. This is a 24 hour start time that the Geofence should be active. The time specified here is based on the time zone of the Geofence. This value cannot be blank if the day is marked as active. Start and End times can not be the same.

### **End Time**

This is a 24 hour end time that the Geofence should be active. The time specified here is based on the time zone of the Geofence. This value cannot be blank if the day is marked as active. Start and End times can not be the same.

### **Multiple Active Times**

A user can set multiple active times per day for a Geofence, to do this select the “Add Row” option. An active time can span more than one day. Active times cannot overlap each other.

### **Notification Type**

Notification can be by SMS, email, or a combination of both.

### **Contact**

Select the contacts from the list that should be notified in the event of a Geo Fence activity. This field is automatically populated with the list of contacts from your Contacts section of the Administration screen. By default no contacts are selected. To select a contact simply click on the contact name, to select multiple contacts hold down the “Ctrl” key and click on the additional contacts. To select all contacts you hold down the “Shift” key and select the first contact on the list then select the last contact on the list while holding down the “Shift” key.

### **Confirm**

Click 'Confirm' to save any changes.

### **Edit Boundaries**

Click 'Edit Boundaries' to open the Geo Fence on the Maps page and adjust its size/location.

## **Assign Geofences**

This screen allows a user to assign Geofences by Vehicles or by Geofence

Assign Geofences

Assign Type

Select Type

- Select Type
- Assign By Vehicle
- Assign By Geofence

CONFIRM
CANCEL

### Assign by Vehicle

All Geofences are displayed in the Available Geofences list box. By clicking on a vehicle, the user can clearly see the Geofences associated with that vehicle, and shall have the ability to allocate or de allocate Geofences using the list boxes provided.

Assign Type

Assign Type

Assign By Vehicle

Select Vehicle	Available Geofences	Selected Geofences
<ul style="list-style-type: none"> <li>Razor 0406468 ( 2 )</li> <li>Razor_Ed_Car ( 7 )</li> <li>Razor_Ed_Desk ( 7 )</li> <li>REB +353860407137 ( 4 )</li> <li>REB 3860393 ( 2 )</li> <li>REB_Ed_Car ( 7 )</li> <li>REB_Ed_SR3 ( 0 )</li> </ul>	<ul style="list-style-type: none"> <li>Athenry</li> <li>Athlone</li> <li>Bunratty (Should Not Register)</li> <li>CEL</li> <li>Danas Office</li> <li>Dublin</li> <li>Ed's House</li> <li>Galway</li> <li>goose lake2</li> <li>Gort M18 Roundabout</li> <li>Joe House</li> <li>Kilcolgan</li> <li>Limerick Tunnel Northbound</li> <li>Limerick Tunnel Southbound</li> <li>Moycullen</li> <li>Parkwest Depot</li> <li>Sam's Area</li> </ul>	<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div>

A maximum of 100 Geofences can be assigned to a vehicle.

CONFIRM
CANCEL



## Assign by Geo Fence

All Geofences are displayed in the Select Geofence list box. By clicking on a Geofence, the user can clearly see the vehicles associated with that Geofence, and shall have the ability to allocate or de-allocate vehicles using the list boxes provided.

Assign Type

Assign Type Assign By Geofence

Select Geofence	Available Vehicles	Selected Vehicles
<ul style="list-style-type: none"> <li>Athenry</li> <li>Athlone</li> <li>Bunratty (Should Not Register)</li> <li>CEL</li> <li>Danas Office</li> <li>Dublin</li> <li>Ed's House</li> <li>Galway</li> <li>goose lake2</li> <li>Gort M18 Roundabout</li> <li>Joe House</li> <li>Kilcolgan</li> <li>Limerick Tunnel Northbound</li> <li>Limerick Tunnel Southbound</li> <li>Moycullen</li> <li>Parkwest Depot</li> <li>Sam's Area</li> </ul>	<ul style="list-style-type: none"> <li>Razor 0406468 ( 2 )</li> <li>Razor_Ed_Car ( 7 )</li> <li>Razor_Ed_Desk ( 7 )</li> <li>REB +353860407137 ( 4 )</li> <li>REB 3860393 ( 2 )</li> <li>REB_Ed_Car ( 7 )</li> <li>REB_Ed_SR3 ( 0 )</li> </ul>	<div style="border: 1px solid #ccc; height: 100px;"></div>

A maximum of 100 Geofences can be assigned to a vehicle.

CONFIRM
CANCEL

## Command History Report – Assigned Geo Fences

The Command History Report may be used to track the request status of an update to a vehicle's Dynamic Geofence configuration.

### Command History Report ✕

Unit Requests for period 05/14/2013 11:00 to 06/14/2013 23:59

**Preferences**  
Temperature Type: Celsius | Time Zone: Greenwich Mean Time | Speed Type: KPH

Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description
AMG Razor 2	Send Geofence Configuration	GPRS	amgk1@celtrak.com	Assignment	06/13/2013 3:00:40 PM	Success	06/13/2013 3:03:15 PM	On	
AMG Razor 2	Send Geofence Configuration	GPRS	amgk1@celtrak.com	Assignment	06/14/2013 8:52:06 AM	Success	06/14/2013 8:54:23 AM	On	
AMG Razor 2	Send Geofence Configuration	GPRS	mayatk1@celtrak.com	Assignment	06/14/2013 10:11:13 AM	Success	06/14/2013 10:15:14 AM	On	
AMG Razor 2	Send Geofence Configuration	GPRS	mayatk1@celtrak.com	Updated	06/14/2013 10:15:15 AM	Success	06/14/2013 10:17:07 AM	On	
AMG Razor 2	Send Geofence Configuration	GPRS	mayatk1@celtrak.com	Updated	06/14/2013 10:18:11 AM	Success	06/14/2013 10:21:09 AM	On	
AMG Razor 2	Send Geofence Configuration	GPRS	mayatk1@celtrak.com	Updated	06/14/2013 11:38:57 AM	Success	06/14/2013 11:42:12 AM	On	

**Note:** The Command History Report will not contain entries for vehicles with static Geofences; refer to Vehicle Maintenance page 85, and Geo Fence Administration

## Scheduled Reports

The Scheduled reports feature allows the user to select one of the standard reports and email or FTP this report to a specific list of people at a defined interval. The Scheduled reports feature of TrackKing is accessed through the administration menu.

### Administration

#### Temperature

- [Notifications](#)
- [Two-Way Commands](#)
- [Temperature Range Settings](#)
- [Data Logger Downloads](#)
- [Door Alarm Settings](#)

#### Vehicles

- [Add Vehicle Group](#)
- [Vehicle Group Search](#)
- [Vehicle Search](#)

#### Users

- [Change Password](#)
- [Add User](#)
- [User Search](#)

#### Miscellaneous

- [Contacts](#)
- [Points of Interest](#)
- [Geofences](#)
- [Scheduled Reports](#)
- [Customizable Reports](#)
- [Send OptiSet™ Plus File](#)
- [Retrieve OptiSet™ Plus file](#)
- [Set OptiSet™ Plus Temperature Profile](#)
- [Update Unit Software](#)

To create a scheduled report select Scheduled Reports from the Miscellaneous section of the Administration screen. This will open the following screen.



Click “Add” to create a new scheduled report.

This is the screen that will appear. Please fill in the relevant fields to set up the report to be scheduled.

Report Name: This is the name the user assigns to the scheduled report.

Report Type: This is a dropdown list of all reports available to be scheduled.

Frequency and Start Day/Time: These fields change based on the Report Type selected. E.g. A 24hr Reefer History is only available as a daily report, so the user gets the option of only setting up the time. However in the case of most other reports the user gets the option of selecting a frequency of, Daily, Weekly, Fortnightly, or Monthly. This is the frequency at which the Report will be emailed to the report recipients.

The start Day/Time will change dependant on the Frequency selected, e.g. if Monthly is selected you get the option of selecting the day of the month that the report is to be sent.

Note the change of Frequency and Start Day/Start Time when a specific report is selected.

### Add Scheduled Report

**Report Details**

Report Name

Report Type

Frequency

Start Day/Start Time

Report Format

Active

Email

FTP

24 Hr Reefer History

Alarm History Report

Controller Temperature History Report

Current Fleet Report

Data Logger Temperature History Report

Geofence Activity By Geofence Report

Geofence Report

Operations History Report

Position History Report

Reefer Utilisation Report

Two Way Audit History Report

Fuel Management Report

Highest Hours Driven Report

Journey Report By Vehicle

Stationary Vehicle Report

Vehicle Summary Report

Vehicle Utilisation Report

**Report Recipients**

Email Recipients 1

Email Recipients 2

Email Recipients 3

This screen shows the selection of Reports available. Note this selection is dependant on the type of system purchased.

Report Format  PDF  CSV

Active  Yes  No

Email

FTP

**Report Recipients**

Email Recipients 1

Email Recipients 2

Email Recipients 3

Email Recipients 4

Email Recipients 5

**FTP Settings**

Host: ftp://

Login

Password

The user then selects the format of the report that is to be issued, CSV or PDF.

The Active flag allows the user to suspend the sending of the report for whatever reason, e.g. the user is on vacation. This will default to Active.

Finally the user enters the email addresses of up to 5 recipients of the scheduled report. Note if the user wants these reports sent via FTP they must select FTP and enter the details of the FTP site.

## Customizable Reports

The Customized reports feature allows the user to create a customized report from the selection of available fields. The Customized Reports option is only available to users with administration access. The Customized reports feature of TracKing is accessed through the administration menu.

**Administration**

**Temperature**

- [Notifications](#)
- [Two-Way Commands](#)
- [Temperature Range Settings](#)
- [Data Logger Downloads](#)
- [Door Alarm Settings](#)

**Vehicles**

- [Add Vehicle Group](#)
- [Vehicle Group Search](#)
- [Vehicle Search](#)

**Users**

- [Change Password](#)
- [Add User](#)
- [User Search](#)

**Miscellaneous**

- [Contacts](#)
- [Points of Interest](#)
- [Geofences](#)
- [Scheduled Reports](#)
- [Customizable Reports](#)
- [Send OptiSet™ Plus File](#)
- [Retrieve OptiSet™ Plus file](#)
- [Set OptiSet™ Plus Temperature Profile](#)
- [Update Unit Software](#)

Select Customized Reports in the miscellaneous section.

**Customizable Reports**

Report Name	Description	Creation Date
<input type="radio"/> No Comm	No Comm status	12/02/09 12:09:05
<input checked="" type="radio"/> This is a Custom report created by Celtrak	This is test	16/02/09 14:31:10

2 items found, displaying all items.

---

[Add](#)
[Edit](#)
[Delete](#)
[Back](#)

Select “Add” to create a new report, “Edit” to edit and existing report, and “Delete” to remove an existing report.

There are 3 steps to creating a report.

In step 1 the user names the report, enters a description of the report, and selects the fields to be displayed.

## Customizable Reports Wizard Step 1 - Select Fields

**Report Details**

Report Name

Description

**Report Fields**

Available Fields		Selected Fields
SP2	>>	Vehicle Name
SP3		Position
S1	<<	Date & Time
S2		SP1
S3		Fuel Level
S4		
S5		
S6		
Unit Alarm		
Speeding		
Battery Voltage		
DA1		
RA1		
DA2		
RA2		
DA3		
RA3		
Door Status		

In step 2 the user selects which other users should be allowed to see this report.

### Customizable Reports Wizard Step 2 - User Permissions

This page allows you to grant user access to the Customizable Report.

**Permitted Users**

Available Users		Permitted Users
datapod download hylandb iwsa jfw jfwf okane	>>  <<	ct11 tking

CONFIRM
CANCEL

Step 3 is simply a confirmation of the layout of the report. This new report is now available in Data Management.

### Customizable Reports Wizard Complete.

The Report has been saved to the system. This report is now available for use in the Data Management Tab. Please review the report details below.

**Report Details**

Report Name : **This is a Custom report created by Celtrak**

Description : **This is test**

CONFIRM

**Report Fields**

Vehicle Name	Date & Time	Position	SP1	SP2	SP3	S1	S2	S3	S4	S5	S6	Unit Alarm	Speeding	Battery Voltage	Fuel Level	DA1	RA1	DA2	RA2	DA3	RA3	Door Status	OP 1	OP 2	OP 3

tking  
LOGOUT  
[User Guide](#)  
[Email Support](#)

**1-CLICK REPORTS**

- [Current Fleet Report](#)
- [24 Hr Reefer History](#)

## Data Management

**Select a standard report category**

Position History Report

**Select a customized report category**

Select A Report  
 Select A Report  
 This is a customized report created by Celtrak

**Select Start & End Date**

Start Date: 06/02/2009 21:24

End Date: 09/02/2009 21:24

GENERATE REPORT

As can be seen from the screen shown above the new report is available in the Customized report dropdown. The user must still select the vehicles/trailers before running the report.

## Send OptiSet™ Plus File

OptiSet™ Plus Configuration files can be sent to a unit Over The Air (OTA) using the Send OptiSet™ Plus feature from the Tracking website. This feature can be accessed from the Administration Menu.

TRACK VEHICLES MAPS DATA MANAGEMENT ADMINISTRATION PREFERENCES ALARMS DASHBOARD LOGOUT

### Administration

**Temperature**

- Notifications
- Two-Way Commands
- Temperature Range Settings
- Data Logger Downloads
- Controller Logger Downloads
- Door Alarm Settings

**Vehicles**

- Add Vehicle Group
- Vehicle Group Search
- Vehicle Search

**Users**

- Change Password
- Add User
- User Search

**Miscellaneous**

- Contacts
- Points of Interest
- Geofences
- Scheduled Reports
- Customizable Reports
- Send OptiSet™ Plus File**
- Retrieve OptiSet™ Plus file
- Set OptiSet™ Plus Named Profile
- Set OptiSet™ Plus Numeric Profile
- Update Unit Software

All OptiSet™ Plus functionality is located in the Miscellaneous pod under the Administration page on TK Tracking. To send an OptiSet™ Plus file to a unit select the Send OptiSet™ Plus File from the Miscellaneous



Menu. The user will first be prompted to select the OptiSet™ Plus configuration file. The OptiSet™ Plus configuration file must have an .xml extension.

### Send OptiSet™ Plus file

Once the file has been loaded to the TKTracking, the user can then select which portions of the OptiSet™ Plus file are sent to the controller;

- Unit Setup
- Cargo Watch Setup or
- Temperature Profiles.

They may select any one or all options.

The user must then select which units to send the file to. This is done by selecting the units from the vehicle selection tree. Note the Server will determine if the is file is intended for SR3 or SR4 vehicles.

The file can be sent with or without driver confirmation. If driver confirmation is selected, the driver will receive a visual indication on the HMI that there is a new OptiSet™ Plus configuration file and this must confirm this new OptiSet™ Plus configuration.



The user will still be able to send the file if presented with warnings, but will not be allowed to send the file if they receive errors.

TRACK VEHICLES MAPS DATA MANAGEMENT ADMINISTRATION PREFERENCES ALARMS DASHBOARD LOGOUT

Your File has been Uploaded. Please view the Command History Report for updates.

[Administration](#)

The screen above indicates the user has completed the first part of an OTA OptiSet™ Plus configuration file send. The status of the operation from this point onwards is viewed through the Command history Report.

### Command History Report

Unit Requests for period 01/01/2014 12:02 to 01/09/2014 23:59

Preferences  
 Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: MPH

Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description
REB SR4 Simulator 1	Optiset™ Send Remotely	WiFi	amgtk1@celtrak.com	AMG_Cactus_plants.xml	01/06/2014 11:14:07 AM	Success	01/06/2014 11:17:30 AM	On	
REB SR4 Simulator 1	Optiset™ Send Remotely	WiFi	amgtk1@celtrak.com	AMG_Cactus_and_Icecream.xml	01/06/2014 4:11:29 PM	Success	01/06/2014 4:17:10 PM	On	
REB SR4 Simulator 1	Optiset™ Send Remotely	WiFi	amgtk1@celtrak.com	AMG_Cactus_and_Icecream.xml	01/06/2014 5:21:46 PM	Success	01/06/2014 5:27:11 PM	On	
REB SR4 Simulator 1	Optiset™ Send Remotely	WiFi	amgtk1@celtrak.com	AMG_Lillies.xml	01/09/2014 12:17:40 PM	Success	01/09/2014 12:20:49 PM	On	

## Retrieve OptiSet™ Plus File

The Tracking website can also be used to retrieve OptiSet™ Plus configurations files from the controller via the telematics unit. This allows users review the temperature profiles that are available on a controller. This feature can be accessed via the Retrieve OptiSet™ Plus file option from the Miscellaneous menu of the Administration page.

### Miscellaneous

- [Contacts](#)
- [Points of Interest](#)
- [Geofences](#)
- [Scheduled Reports](#)
- [Customizable Reports](#)
- [Send OptiSet™ Plus File](#)
- [Retrieve OptiSet™ Plus file](#)
- [Set OptiSet™ Plus Named Profile](#)
- [Set OptiSet™ Plus Numeric Profile](#)
- [Update Unit Software](#)

After selecting the Retrieve OptiSet™ Plus file the user prompted to choose a vehicle from which the OptiSet™ Plus configuration file may be retrieved.

## Retrieve OptiSet™ Plus file

The user is then prompted for a location to save the configuration file locally on their PC.

## Set OptiSet™ Plus

A user must also activate an OptiSet Plus profile for a unit, and that can be performed Over The Air (OTA) through the Tracking website. This activation is carried out from the Set OptiSet™ Plus Named Profile or Set OptiSet™ Plus Numeric Profile on the Administration Menu.

## Set a Named Profile

The named temperature profile contains predefined temperature set points based on the cargo carried, where numeric profile selection allows a user select a specific temperature.

If the user selects the named profile option, they will be prompted to select the type of profile required from two available options:

- SR3 Single Temperature Trailers
- SR4 Single Temperature Trailers

## Select Named Temperature Profile Type

The user will be presented with a list of defined temperature profiles based on the cargo carried. The most appropriate ‘Set Point’ should be chosen and confirmed. The status of the request can be tracked in the command history report.

### Select Named Profiles

### Set a Numeric Profile

When the user selects the numeric temperature profile, they are requested to select from a list of vehicles which are eligible for a numeric temperature profile.

### Select Vehicles

After the user has selected a vehicle and hits confirm they are then presented with a screen with a drop box of possible temperature set points.

### Select Set Point

The user must select the profile and then select confirm to activate the profile for the unit. They will then be reminded to view the status of the request from the Command History Report.

Your Request has been sent. Go to [Command History Report](#) to view request status.

[Data Management](#)

The status of the OptiSet command is displayed in the Command History Report.

## Command History Report

Unit Requests for period 01/08/2014 12:02 to 01/09/2014 23:59

### Preferences

Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: MPH

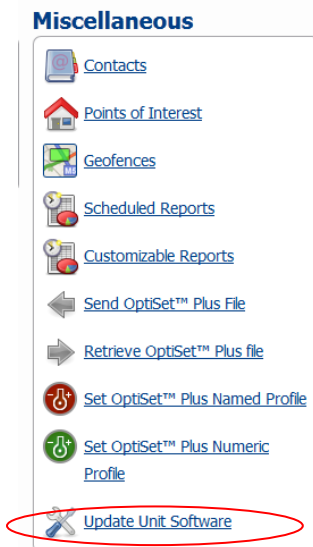
Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description
REB SR4 Simulator 1	Optiset™ Set Named Profile	WiFi	amgtk1@celtrak.com	Cactus plants	01/09/2014 10:31:02 AM	Success	01/09/2014 10:33:53 AM	On	
REB SR4 Simulator 1	Optiset™ Send Remotely	WiFi	amgtk1@celtrak.com	AMG_Lillies.xml	01/09/2014 12:17:40 PM	Success	01/09/2014 12:20:49 PM	On	
REB SR4 Simulator 1	Optiset™ Set Named Profile	WiFi	amgtk1@celtrak.com	Lillies, Easter, Potted	01/09/2014 12:43:43 PM	Success	01/09/2014 12:48:52 PM	On	
REB SR4 Simulator 1	Optiset™ Set Numeric Profile	WiFi	amgtk1@celtrak.com	25.0	01/09/2014 12:49:13 PM	Success	01/09/2014 12:49:27 PM	On	

This status of the request can return the following values

- **Scheduled** – This indicates that the request has been sent to the Telematics unit, but the Telematics unit has not sent an acknowledgement yet.
- **Acknowledged** – The Telematics Unit has received the request and is in a GPRS area and is processing the request.
- **In Progress** – The Telematics Unit has received the request and is in a GPRS area and has downloaded the OptiSet™ Plus file. This field is only applicable to OptiSet™ Plus Send.
- **Success** – The request was successfully carried out.
- **Failed** – This indicates that the request was not carried out. A description of the error will be added to the error table cell to explain the request failure.
- **No Response** – This indicates that the request has expired, but the unit has not reported back whether it was successful or not in carrying out the operation.

## Update Unit Software

To update, upload or modify the firmware for Thermo King Vehicles, both TK administrators and customers may use the administration section of the TracKing website. Selecting the “Update Unit Software” link in the Miscellaneous section leads to the “Update Unit Software” page. This link will only appear if the user has a role which allows access.



When the user selects Update Unit Software they then navigate to Vehicle Type Selection page. The user, administrator or customer must select a vehicle type.

The "Vehicle Type Selection" form contains two main sections: "Select Vehicle Type" and "Select Language Pack".

- Select Vehicle Type:** A dropdown menu with the following options: SR3 Single Zone Trailer (selected), SR3 Single Zone Trailer, SR4 Single Zone Trailer, and SR4 Multi Zone Trailer.
- Select Language Pack:** A dropdown menu with the option: Western European.

Below the dropdowns, the text reads: "Containing Languages : English, Spanish, French, German, Italian, Dutch, Portuguese, Greek, Turkish, Hebrew & Arabic". At the bottom of the form are two buttons: "SELECT" and "CANCEL".

Trailers with SR3 Single Zone and SR4 Single and Multi Zones are the vehicle types supported.

The user must select what language package they wish to use-

- Western (Includes English, Spanish, French, German, Italian, Dutch, Portuguese, Greek, Turkish, Hebrew & Arabic)
- Eastern European (includes English, Danish, Russian, Norwegian, Swedish, Finnish, Polish, Hungarian, Romanian, Bulgarian & Czech)
- Asian (includes English, Japanese & Chinese)

Note the user is reminded which languages are included in the package as they select each language pack.

Once the user has selected the Language Pack and clicked the Select button they are presented with the Update Unit Software page. This page displays the firmware versions available for the vehicle type. The user can then select vehicles from the Vehicle Tree for upgrade. Only valid vehicles shall be displayed in the vehicle tree.

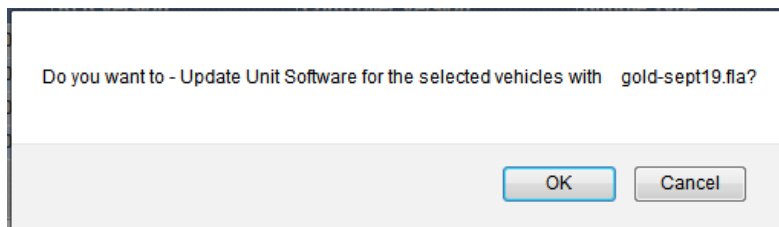
### Update Unit Software

Name	HMI Version	REB Version	Controller Version	Bundle Type	Added Date
<input checked="" type="radio"/> gold-sept19.fla[Recommended]	FLDI_version7590_build302	REB.img-REB-A020-35527	FLS3_versionD040_build258	public	19/09/2012 16:52:10
<input type="radio"/> FLS3_versionD040_build0254 FLA V2.fla			FLS3_versionD040_build254	public	20/09/2012 12:56:39
<input type="radio"/> silver-sept19.fla	FLDI_version7590_build302		FLS3_versionD040_build258	custom	19/09/2012 16:55:16
<input type="radio"/> silver-august31.fla	FLDI_version7590_build302		FLS3_versionD040_build258	custom	19/09/2012 15:05:52
<input type="radio"/> gold-august31.fla	FLDI_version7590_build302	REB.img-REB-A020-34954	FLS3_versionD040_build258	public	19/09/2012 15:04:05

5 items found, displaying all items.

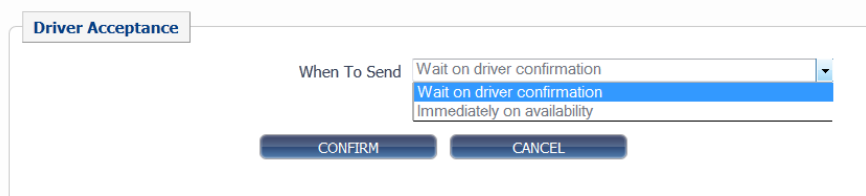
Update Software

Upon selecting the Update Software button, a pop dialog shall appear asking the user to confirm that they wish to update the unit software for the selected vehicles.

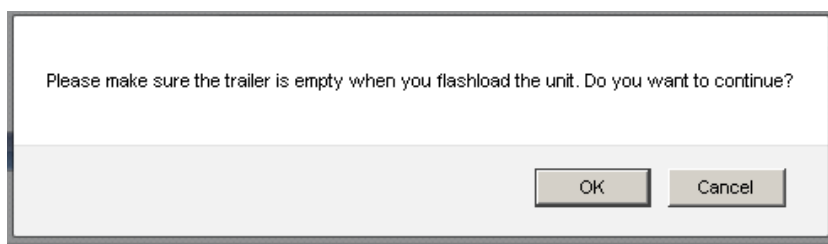


The User shall have the choice of “Wait on driver confirmation” or “Immediately on availability”. If the user selects cancel they will be brought to the Update Unit Software webpage. If Driver Acceptance is required, the upgrade will not complete till the driver accepts or declines locally on the HMI. The driver acceptance message shall only appear on the HMI while the vehicle is in WIFI coverage.

### Update Unit Software



If the user decides they wish to override driver acceptance they will be shown a final confirmation box informing them that the trailer must be empty before carrying out a flash load.



After confirming the above prompt, the user shall be shown the following page with a link back to the Update Unit Software webpage. Alternatively, if the user selects cancel they shall be brought to the Update Unit Software webpage.



Update Software request has been sent to selected vehicles

To track the request please refer to the Command History Report in the Data Management section of the website.

[Update Unit Software](#)

The status of the Software update can be viewed from the Command History Report.

### Command History Report ✕

**Unit Requests for period 14/09/2012 12:50 to 25/09/2012 23:59**

**Preferences**  
Temperature Type: Celsius | Time Zone: Greenwich Mean Time | Speed Type: KPH

Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description
wDbg0919F	Software Updates	WiFi	joeblog@irco.com	REB - A020_35527_B05.12.0000 HMI - 75_90_302 CONTROLLER - D0_40_258	19/09/2012 20:43:53	Failed	20/09/2012 13:23:01	On	Software Updates Command aborted
wDbg0919F	Software Updates	WiFi	joeblog@irco.com	CONTROLLER - D0_40_254	20/09/2012 13:17:20	Success	20/09/2012 13:47:31	On	
wgAjBsim0919E	Software Updates	WiFi	joeblog@irco.com	REB - A020_35527_B05.12.0000 HMI - 75_90_302 CONTROLLER - D0_40_258	20/09/2012 13:22:17	In Progress	20/09/2012 15:34:05	On	Retry download
wgPly0919F	Software Updates	WiFi	joeblog@irco.com	REB - A020_35527_B05.12.0000 HMI - 75_90_302 CONTROLLER - D0_40_258	20/09/2012 13:19:31	Failed	20/09/2012 15:06:36	On	Software Updates Command aborted
wgPly0919F	Software Updates	WiFi	joeblog@irco.com	REB - A020_35527_B05.12.0000 HMI - 75_90_302 CONTROLLER - D0_40_258	20/09/2012 15:02:50	Failed	20/09/2012 15:21:57	On	Software Updates authorisation declined

5 items found, displaying all items.  
 Export options: [Excel](#) | [PDF](#) | [RTF](#)



## 10 Preferences

The preferences page gives the user the option of setting certain system parameters related to data display.

**Preferences**

**Speed Settings**  
 Unit of measurement for vehicle speed:  KPH  MPH

**Temperature**  
 Unit of measurement for temperature:  Celsius  Fahrenheit

**Refresh Interval**  
 Set data refresh interval @ 60 (seconds)

**Fuel Settings**  
 Unit of measurement for vehicle fuel:  Litres/100Km  MPG  U.S. MPG

**Time Zone**  
 (UTC-05:00) Eastern Time (US & Canada)

CONFIRM CANCEL

User Preferences can also be seen on the settings dropdown menu:



## Speed Settings

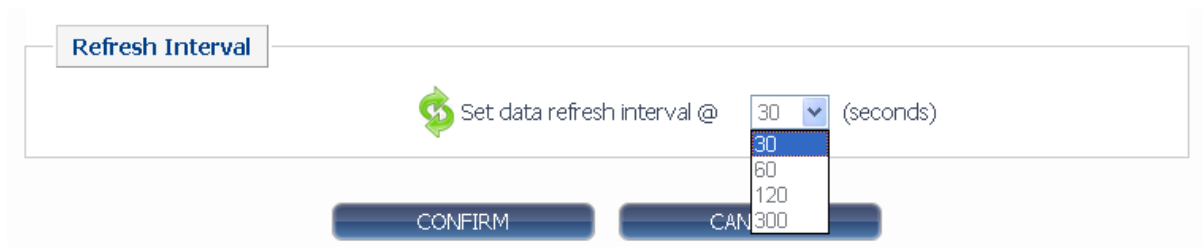
Click the relevant radio button to display speed in miles per hour (MPH) or kilometers per hour (KPH).

## Temperature

Click the relevant radio button to display temperature in Celsius or Fahrenheit.

## Refresh Interval

Select a value from the drop down list to set the time, between 30 and 300 seconds, when the data is refreshed. During a refresh, the application logs the latest data available from the [server](#). This will include any periodic updates that have been downloaded from vehicles since the last refresh. A refresh does not result in a download request being sent to any vehicle(s).



Refresh Interval

Set data refresh interval @  (seconds)

30  
60  
120  
300

CONFIRM CANCEL

## Fuel Settings

Select the units of measurement for the fuel measurement. This will be reflected in the tracking page and reports.

## Time Zone

Select the time zone of the user. This will be reflected in the tracking page and reports.

## Alarms List

Clicking on the Alarms tab on the menu bar will display the Alarms page. The type and number of alarms which appear will be determined by the system configuration.

If no new alarms have been generated since the user last logged on, no alarms will be displayed. If alarms have occurred, they will be displayed in a table similar to the screenshot below.

To remove an alarm from the list, it must be acknowledged. To do this:

1. Select the alarm(s) to be acknowledged by ticking the box in the leftmost column.
2. Click the 'Confirm' icon at the bottom of the page.

Note: The “#” Column means the number of times this alarm has been recorded since it was last acknowledged. The “Date Logged” is the last time and date that this alarm occurred.

When an alarm is acknowledged, the user that acknowledged is recorded and displays in the User column.

### Alarms

Displaying all unacknowledged alarms from the last 60 days.

Alarms greater than 60 days old can be viewed in the Alarm History Summary Report.

<input type="checkbox"/>	Vehicle	Alarm Type	Zone	Pre-Trip	#	First Logged	Last Logged	Last Known Position	User
<input type="checkbox"/>	AMG Test Vehicle 1	58 Check Evaporator Fan Low Speed			9	09/18/14 6:08 PM	09/18/14 6:34 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	13 Sensor Check			2	09/18/14 6:05 PM	09/18/14 6:07 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	14 Defrost Terminate by Time			2	09/18/14 6:04 PM	09/18/14 6:04 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	9 High Evaporator Temperature			6	09/04/14 6:25 PM	09/18/14 4:59 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	5 Check Ambient Temp Sensor			9	09/17/14 6:31 PM	09/18/14 4:58 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	1 Microprocessor Power Up Reset			9	09/05/14 8:57 AM	09/18/14 4:56 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	6 Check Coolant Temp Sensor			15	09/04/14 6:23 PM	09/18/14 4:53 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	112 Check Remote Fans			8	09/17/14 6:33 PM	09/17/14 7:09 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	108 Door Open Timeout			5	09/17/14 6:48 PM	09/17/14 7:09 PM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 1	113 Check Electric Heat Circuit			2	09/17/14 6:33 PM	09/17/14 6:33 PM	0.38 miles West of Vet Clinic, IRL	

24 items found, displaying 1 to 10.

[ < First / Prev ] 1, 2, 3 [ Next / Last > ]

Confirm  Cancel

## 11 Alarm Visibility

Since alarms may occur at any time, it is important that TracKing users are made aware when they occur. As the Track Vehicles and Maps pages are the most frequently used, notification of new alarms is displayed on these pages.

Alarm notification will remain until all alarms have been acknowledged on the [Alarms](#) page. As no details are displayed with the notification, the user must visit the Alarms page for more information on the type of alarm which has occurred.

### Tracking List Alarm Notification

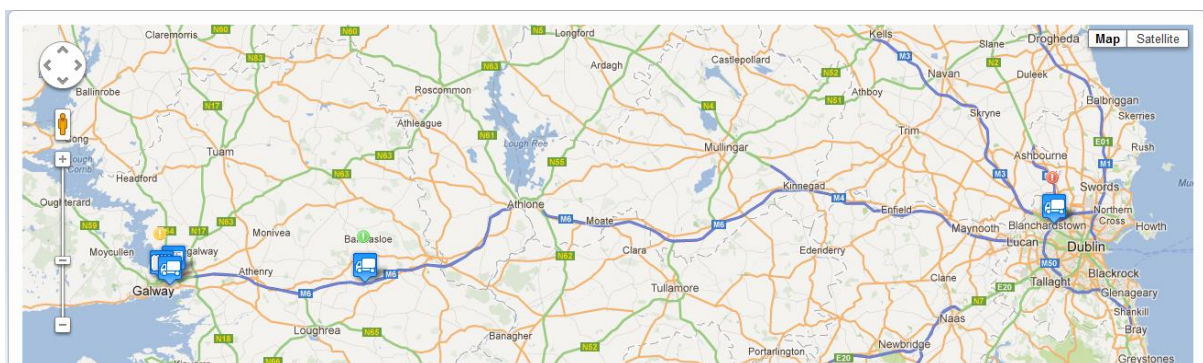
When an alarm occurs and the user is currently using the Track Vehicles page, a colored icon is displayed beside the vehicle name on the tracking list, as shown in the screenshot below and the complete row changes color.

#### Tracking List

Vehicle	Last Known Position	Ign	SP1	SP2	SP3	Date
+353864606579	Galway, IRL	Off				26/03/13 16:32:06
+353864612685	Kilconnell, Galway, IRL	On	2			26/03/13 16:40:56
+353864612682	Galway, IRL	On	2			26/03/13 16:45:01
PVDU 330263.4	Blanchardstown, Dublin, IRL	On	2			26/03/13 17:03:33
PVDU 330255.5	Galway, IRL	On	2			26/03/13 16:48:10

### Maps Alarm Notification

When an alarm occurs and the user is currently using the Maps page, a coloured question mark is displayed on top of the vehicle icon, as shown in the screenshot below to notify the user of the alarm.



## 12 Logout

The user can log out from any page on the site by clicking on the options button on the top right hand side of the page.

1. Click the logout button

Click Yes to confirm that you wish to log out. Otherwise, click No to return to the Track Vehicles page.

## 13 Page Footer Icons

The links in the footer displayed on each page of the application give the user one-click access to the following items:



### Contact Us

Click the Contact Us icon to send a mail to support. A new mail with the correct email address and subject will be opened in your default email application.



### User Manual

Click this icon to open the online help for this application. The help will open in a separate browser window.

## 14 Password Recovery

If you forget your password, it can be recovered from the main login page. You will be prompted to enter your email address/username.

