

## VeriWise Cellular Solution for Reefer Trailers

GE's VeriWise™ systems have been delivering increased utilization, productivity, and detention revenue for customers since 1999. VeriWise with reefer monitoring, GE's innovative reefer tracking unit and monitoring solution, provides the same benefits to reefer carriers, ensuring that your perishable cargo is tracked at every step of its journey. The VeriWise Cellular solution with reefer monitoring uses the most advanced and ubiquitous digital wireless network in North America, intelligently selecting from CDMA, 1XRTT and SMS technologies.

### Reefer Status Monitoring

VeriWise with reefer monitoring can also help ensure that your loads are safe from spoilage by providing information and warnings about the reefer operation for many Carrier and Thermo King units.

### Features

- Monitors both Thermo King and Carrier reefers
- Monitors temperature and setpoint for single and multi-temps
- Monitors reefer battery and fuel levels
- Captures reefer fault codes and transmits according to user preferences
- Captures beginning/end-of-drive, operating mode and reefer hours
- Stores rolling temperature and setpoint log with weeks of history
- Manufactured by GE using Lean Six Sigma quality

# VeriWise CELLULAR Reefer with Monitoring



Depending on the model, VeriWise can provide temperature and set-point data for up to three compartments, as well as alarm conditions, fault codes, operating mode, fuel level, battery voltage, and reefer engine operating hours.

The system can also keep temperature logs for retrieval over the air, if needed. Warnings regarding temperature out of range, low fuel or battery, or critical faults in the reefer can be sent via e-mail or text message immediately when they occur.

### Time-Tested and Customer Proven

GE works with some of the world's largest transportation companies to develop and deliver proven fleet management tracking solutions. Our combined satellite and cellular-based solutions portfolio is unmatched in the industry, and we have demonstrated that fleet management works – and pays. Put GE to work for you today and reap the rewards of managing your assets more efficiently with the VeriWise solution.

### Web-based Interface

- Capture fuel usage data for accessorial charges
- Receive alerts for temperature and operating problems that can cause lost loads
- Wirelessly receive proof of environmental quality
- Prevent fuel outages with advanced fuel warnings
- Provides two levels of sensitivity for battery, fuel and temperature variations
- Increase accessorial billing

Event ID	Event Type	Location	Reefer Status	Operating Mode	System Temp / Fuel	Alarm	Fault Code	Reefer Engine Usage Hours
1	Reefer Event	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Cooling	21: 9 / 10	21: Temp Above Range		9817
2	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9818
3	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9819
4	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9820
5	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9821
6	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9822
7	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9823
8	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9824
9	Temp Above Range	1022100 (Drexelco, Houston, Texas 77030)	OK	21: Power Off	21: 98 / 10	Shutdown Alarm	6.8	9825

Monitoring your trailer with VeriWise provides real-time alerts of critical changes in reefer operation and temperature conditions.

# VeriWise CELLULAR

## Refrigerated with Monitoring

### How can VeriWise help you?

Check out the chart below for just a sampling of the concerns we can help you solve. Ensure your perishable cargo is tracked at every step of its journey.

	Managing through HOS changes	Improved trailer utilization	Accurate detention billing data	Monitoring high value loads	Improved maintenance scheduling	Need better "view" to my fleet
Power of Knowledge Payoff	<ul style="list-style-type: none"> <li>• Generate higher detention billings</li> <li>• Helps improve driver/trailer productivity</li> <li>• Less time waiting for open docks</li> </ul>	<ul style="list-style-type: none"> <li>• Helps lower trailer/tractor ratio</li> <li>• Less idle assets</li> </ul>	<ul style="list-style-type: none"> <li>• Data to support detention billings</li> <li>• Greater detention billing revenue</li> </ul>	<ul style="list-style-type: none"> <li>• Prevent cargo loss – reduce insurance claims</li> <li>• Helps run tighter JIT operations</li> </ul>	<ul style="list-style-type: none"> <li>• Helps improve maintenance scheduling</li> <li>• Helps manage trailer movements through maintenance shops</li> </ul>	<ul style="list-style-type: none"> <li>• Helps improve productivity and utilization</li> <li>• Helps run tighter JIT operations</li> <li>• Less idle assets</li> </ul>
Location	✓	✓	✓	✓	✓	✓
Geo-fencing	✓		✓	✓	✓	✓
Low Battery	✓	✓			✓	✓
Alerts	✓	✓	✓	✓	✓	✓
Idle Asset Reporting	✓	✓	✓		✓	✓
Emergency Track		✓		✓		✓
Landmarking/ Proximity Searching	✓	✓		✓		✓

### General Specifications

Hardware dimensions*	18"(L) x 11.5"(W) x 6"(D)
Operating temperature	-15°C/5°F to +50°C/122°F
Storage temperature	-40°C/-40°F to +85°C/185°F
Supply voltage	12-24V, up to 36V maximum
Supply current	2A max
Wireless network	CDMA, IXRTT, SMS, AMPS
5 I/O Lines	
5 Analog inputs	
RS-485 Interface	
NEMA-4 Rated	

Acid Wash Resistant, conforms to SAE-J1455 Standards for Rear Chassis

\* Mounting assembly may vary

### About GE's Asset Intelligence

GE's Asset Intelligence represents the 'resource horsepower' of GE, deployed to address the challenges of the global supply chain. By leveraging the latest wireless communications and web technologies, the VeriWise satellite and cellular-based platforms offer intelligent solutions that provide shippers and carriers with tools to better manage fleets, freight, and maintenance operations. Quick access to actionable intelligence empowers you to make more informed decisions about securing and optimizing your asset portfolios and streamlining your supply chains.

For more information on our VeriWise solutions, visit [www.ge.com/assetintelligence](http://www.ge.com/assetintelligence) or call 1-877-983-7466



All specifications are subject to change for product improvement without notice. GE is a registered trademark of General Electric Co. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not affiliated with GE.

© 2008 GE All rights reserved  
VWS-RFM-1008