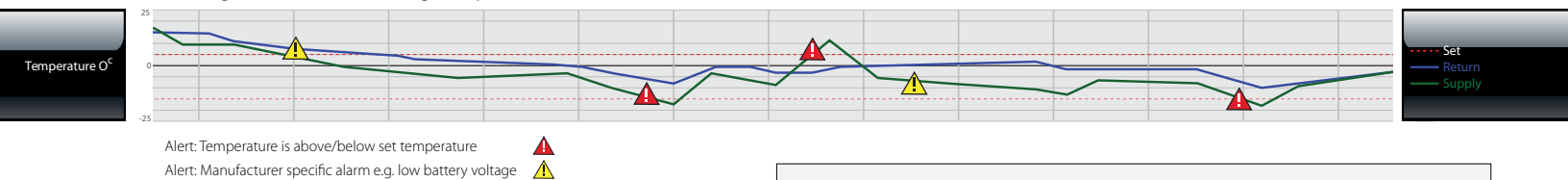


The ibrighT® Refrigerated Unit Telemetry System

The ibrighT® telemetry system from International Telematics provides the most advanced refrigerated monitoring system available which, together with the many other features of the ibrighT® system, can substantially enhance the financial and operating performance of transporters of chilled and frozen products.



Monitor refrigerated units status (e.g. temperature or alerts) and location



Refrigerated Monitoring: The ibrighT® Difference

- The most advanced reefer, tractor, truck or trailer monitoring capabilities all from the same system providing significantly greater returns;
- If monitoring is **only necessary when tethered**, the reefer can be monitored from the ibrighT® unit installed on the tractor or truck;
- If monitoring is **necessary when untethered**, the reefer can be monitored from a separate ibrighT® unit on the reefer;
- **Driver performance** (speeding, swerving, cornering, acceleration) and location can be monitored from the reefer if the tractor (e.g. when being driven on contract) does not have a monitoring system; and
- A **refrigerated unit health report** that can be forwarded to your dealer to provide for pro-active maintenance and rapid response to reefer malfunction.

Features of the ibrighT® Refrigerated Monitoring System

- Integrated with the control modules of refrigerated units from the major manufacturers
- **Real-time monitoring and alerting** when compartment temperatures move outside of the set temperature ranges
- **Real-time monitoring and alerting** of the Reefer APU status including engine hours, fuel levels and other diagnostic information
- **Two-way communication** to allow key operating settings, including temperature, to be modified remotely
- **Combined playback** of reefer temperature, trouble code alerts, vehicle speed and driver alerts and location
- Despite its high functionality the **small size of the ibrighT® unit** (4.2"/2.4"/1.4") allows for **easy installation** in the control box

Other Vehicle Management Capabilities

- **Fuel efficiency** and the range of driver and vehicle factors that determine fuel use
- **Tire life** and the range of driver and vehicle factors that directly impact tire wear
- **Engine status** and diagnostic trouble alerting
- **Vehicle utilization** with **sophisticated location** and landmark (geofence) capabilities
- **Trailer fleet management**, tracking and utilization
- **Driver performance** and assessment for management, incentivisation and retention
- **Customer satisfaction criteria** such as responsiveness, load quality control and reliability
- Ability to **send instructions to vehicle systems** such as for idle kill or temperature setting
- **Driver messaging and routing**
- **Over the air enquiry of vehicle systems** such as engine diagnostics
- **Carbon emission** reporting
- **Management of regulatory compliance** including Hours of Service and State Fuel Tax
- **Driver log-on**, ID and Status
- Driver routing and **location based messaging** – more effective fleet-wide job management
- **Safety factor alerting**, monitoring and management
- **Accident alerting and playback**
- Fleet management or **optimization challenges** that are specific to your fleet

Reefer Alarms Page 1 of 5
11/17/2009 12:00 AM - 11/19/2009 12:00 AM (2 of 00 h 00 m)

Report Definition: Manufacturer alarm information for selected trailers

Summary		Legend	
Asset:	TK-80300	OK To Run	
Number Of Information:	29	Check As Qualified	
Number Of Medium:	26	Take Immediate Action	
Number Of Urgent:	33		

Date	Time	Number	Alarm	Action	Location
11/17/2009	01:10 PM	01	Microprocessor Power Up Reset	No action required.	300 St. Queens, New York, NY, 11105
11/17/2009	01:11 PM	02	Check Refrigerator Cool Sensor	Manually monitor load temperature. Report this alarm at the end of the day.	300 St. Queens, New York, NY, 11105
11/17/2009	01:12 PM	03	Check Return Air Sensor	Manually monitor load temperature. Report this alarm at the end of the day.	300 St. Queens, New York, NY, 11105
11/17/2009	01:13 PM	04	Check Discharge Air Sensor	Manually monitor load temperature. Report this alarm at the end of the day.	300 Ave. Queens, New York, NY, 11105
11/17/2009	01:14 PM	05	Check Ambient Temp Sensor	Report this alarm at the end of the day.	376 St. Queens, New York, NY, 11105



One ibrighT® unit can be used to monitor both truck/tractor data and reefer data:

1. **Fixed configuration** – When monitoring a bobtail / straight truck, or a tractor / reefer trailer configuration (in situations where reefer monitoring is only required when the trailer is hitched), both truck and reefer data can be monitored from a single ibrighT® unit.
2. **Autonomous configuration** – If reefer trailer monitoring is required when both hitched and unhitched from the tractor, a second ibrighT® unit is installed on the reefer. In these situations, driver performance and location can also be monitored from the reefer ibrighT® (such as when the reefer trailer is being towed by a contract driver).

