

ReeferTrak[®] Monitor & Control Reefer Assets

powered by
GlobalWave[®]

TWO-WAY REEFER CONTROL OF ALL REEFER MICROPROCESSORS

- Command & control for both Carrier Transicold and Thermo King Refrigeration unit microprocessors
- Broad worldwide satellite coverage
- Instant polling and command response
- Reefer functions with GPS – door, on/off, set temperature point, unhook, refueled, visibility of operating conditions when dropped
- Full Logistics – location, geofencing, dwell/detention time
- Alarms - fuel, pre-trip and maintenance
- Exception-based management and data mining
- Integration with Information Technology systems

OPERATIONAL SAVINGS

- Reduced claims and improved shipment quality
- Radically lower fuel costs
- Improved management of assets
- Improved trailer and tractor utilization
- Measured performance to plan
- Efficient pre-cooling operations
- Lessened driver dependence
- Remote pre-trip operations
- Arrival/Departure and Origin/Destination
- Dwell time reporting
- HACCP/CARB Compliance



REEFERTRAK[®] SOLUTION - Complete, real-time reefer operations via the Internet

ReeferTrak[®] is the most powerful, wireless refrigeration operation management tool available for the freight transportation industry. ReeferTrak[®] is ideal for rail, intermodal, truckload carriers and food distributors. The system allows immediate fleet visibility of every type of reefer operation, including reefer temperature monitoring, modes of operation, fuel management, trailer delivery, logistics and dwell time, engine hours and usage, and human interaction for each trailer. Using intelligent management of reefer specific data, exceptions are quickly identified and remote commands solve problems in minutes without the need for field intervention. ReeferTrak's powerful Reefer Access Management Platform™ (RAMP) delivers reefer management solutions through an integrated web application, supplemented with one and two-way data feeds as well as integrated Web Services applications with customer shipment planning information.

REFRIGERATION TRANSPORT UNIT INTEGRATION

ReeferTrak[®] includes intelligent, power-efficient equipment integration with the reefer microprocessor and provides a two-way satellite data link to the ReeferTrak's comprehensive reefer application. All Carrier Transicold and Thermo King microprocessors are supported with a two-way interface that delivers real-time operational reefer status within minutes. Low power operation allows for continuous two-way operation without degradation of the reefer battery even when the reefer unit is shutdown and un-tethered from the tractor. Its small, compact size means easy installation. Standard reefer alarms are sent to the user via the Internet, email or SMS within minutes. Command capability allows remote changes to temperature set point, operating conditions or parameters within minutes.

THE ADVANTAGES

ReeferTrak[®] is a comprehensive refrigerated transport management tool that monitors thousands of un-manned reefer assets throughout the world. Using a unique interface to the reefer microprocessor, comprehensive fuel management algorithms and a focused, exception-based reefer application, freight operators utilize the complete operational context of every trailer to achieve revolutionary cost and quality improvements in their operations. Allow your customers to gain more confidence in your refrigerated freight service operation with ReeferTrak[®].

ReeferTrak[®] is the only solution fully authorized by both Carrier Transicold and Thermo King to provide full, two-way command and control access to their reefer microprocessors. Data delivery options are provided via the ReeferTrak's RAMP[®] system and include internet portal access, integration with third-party dispatch software and specialized one- and two-way data feeds to proprietary software applications.

REEFERTRAK[®] SPECIFICATIONS

Direct Interface to the following refrigeration transport unit microprocessors:

- * Carrier Transicold Standard and Advance
- * Carrier Transicold Summit and Summit Multi-temp
- * Thermo King SR2, μ PV, μ PVI, μ PT (limited versions of μ PIV)
- * Thermo King SR2 and Spectrum Multi-temp



REEFER MONITORING & CONTROL FUNCTIONS

Monitors all available microprocessor alarms Critical Shutdown Alarms – 36 default, plus other configurable shutdown alarms

Operational Functions:

- * Change Reefer Set Point
- * Reports Reefer On/Off Events & Shutdown Events
- * Change Mode of Operation (On/Off, Continuous, Start-Stop/Cycle-Sentry)
- * Clear Alarms
- * Remote Pre-Trip
- * Integrated Intellisets and Automatic Fresh Air Exchange (Carrier)
- * Remote configuration parameters

OTHER FUNCTIONS

- * GPS Locations
- * Automatic Temperature Profiles
- * Setup Temperature Variance Alarms
- * Fuel (gallons, rapid fuel loss, refuel events low fuel, very low fuel)
- * Tractor ID
- * Hook/Unhook, door, remote temperature probes (qty 3)
- * Geofences (~5,000 locations per unit)
- * Battery condition monitoring

Unit ID	Trailer	Tractor	Mode	Temp	Humidity	Fuel	Door	Alarms	Status
101	101-001	101-001	On	35.0	45%	100%	Open	Low Fuel	OK
102	102-001	102-001	Off	30.0	40%	0%	Open	High Temp	Alert
103	103-001	103-001	On	32.0	42%	95%	Open	Low Fuel	OK



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