



THERMO KING



TracKing

IMPROVE CARGO SAFETY & OPERATIONAL EFFICIENCIES WITH MCLEOD LOADMASTER® INTEGRATION

TracKing: THE INTELLIGENT CHOICE FOR TEMPERATURE AND ASSET MONITORING

Thermo King, a brand of Ingersoll Rand, was founded in 1938 and leads the world in manufacturing and innovating transport temperature control systems for a variety of mobile applications, including trailers, truck bodies, buses, shipboard containers and rail cars. For over 75 years, Thermo King has delivered superior products and performance for its customers. Leveraging this experience and knowledge, TracKing gives you end-to-end visibility of your refrigerated assets over the road and in the yard delivering temperature compliance and increased productivity.

TracKing AND MCLEOD INTEGRATION

TracKing's integrated solution with McLeod enables refrigerated carriers to have visibility of their refrigerated assets within LoadMaster. This solution gives you the ability to monitor critical cargo temperatures, trailer location, refrigeration unit settings and alarms through the dispatch process from pickup through delivery. Integrated information of loaded refrigerated trailers in-route allows your dispatchers and planners to quickly remedy issues that may cause damage and delay load delivery decisions.

BENEFITS

- **Increased cargo protection and better dispatcher response times**
With easy access to cargo temperature readings and LoadMaster generated alerts of temperature variance from set point throughout the dispatch cycle, your dispatchers can quickly communicate with the driver for corrections and ensure cargo safety.
- **Improved asset security and utilization**
With visibility of refrigerated trailer location, refrigeration unit power status and door openings your operations can monitor actions at unplanned stop locations and reduce unauthorized usage of trailers.
- **Increased fleet efficiency and lower costs**
Centralized access to your operations data allows you to better streamline your dispatch process, improve your tractor-trailer ratio and lower your operating costs.

FEATURES IN LOADMASTER

- Visibility to refrigerated trailer temperature readings within LoadMaster Order Planning and Driver Management with color alerts for temperature out of range alarms
- Visibility of refrigeration unit alarms

- Refrigeration unit fuel loss and fuel usage reporting can reduce instances of fuel theft
- Alerts for trailer door openings can improve management of door-open dwell times during loading and unloading that can impact fuel costs
- Trailer position reports visible throughout the LoadMaster and Dispatch modules
- LoadMaster generated alerts for refrigerated trailer reporting
 - Door open events at unplanned stop locations
 - Refrigerated unit power off occurrences for trailers under dispatch with a refrigerated load
 - Trailers reporting low fuel level or low battery voltage

REQUIREMENTS

- Thermo King TracKing solution
- LoadMaster Mobile Communications license (LoadMaster v12.1 or higher)

THERMO KING OPTIONS

- Wireless Door sensor
- Fuel level sensor
- NSF certified product temperature sensor

REFRIGERATED TRAILER SET POINT REPORTING AND OUT-OF-RANGE TEMPERATURE ALERT IN ORDER PLANNING

The screenshot displays the LoadMaster software interface. A 'Trailer Temperature Violation' alert is highlighted in the foreground. The alert details are as follows:

Asset Name	Temperature Max	Temperature Min	Set Point
p982	-12.0	-10.0	12.0

The background shows the 'Orders' and 'Tractors' sections of the software. The 'Orders' section lists various orders with details like Order number, Lin, Tractor, Drivers, Trailer, Sts, Origin city, Dst city, De, Del dt, Distance, Fuel/haul, Revenue/Dt, and Mov. The 'Tractors' section lists various tractors with details like Tractor, Trailer, D1 Driver, Tr, D1, D2, D1 Proj time avs, Dest city, Status, Min temp, Max temp, Set point, and Return air temp.



FUEL LEVEL ALERT MESSAGES PRESENTED WITHIN LOADMASTER

Unit number: 55038 User ID: BROT Message number: 647456

Form number: 3 Sending status: 200 Send: 04/17/2014 1552

Delivery priority: 0 Request reply: Receipt confirmation: Received: 04/17/2014 1555

Text Details Form Order

ALERT: Refrigerated Unit Rapid Fuel Loss

Date/Time Reported: 04/17/2014 03:52PM

Fuel level: 27.21

Previous fuel level: 42.27

Fuel tank size: 49.93