



TrackKing™

The intelligent choice for temperature and asset monitoring.



TrackKing

TrackKing is a dynamic, web-enabled trailer tracking system that provides traceability through the cold chain and increased shelf life while delivering temperature compliance and increased productivity.

TrackKing gives fleet owners the tools to protect their assets, improve their response times and manage their operating costs while maintaining the highest food safety and quality standards.



TrackKing DELIVERS CONFIDENCE WITH INCREASED



ASSET MANAGEMENT

- ▶ Locate and manage fleet on a map and find nearest Thermo King dealer
- ▶ Manage cargo security with door and fuel alerts
- ▶ Use Geo-Fence entries and exits to manage on-time departures and arrivals
- ▶ Manage trailer security with location and door lock/unlock alerts



YARD MANAGEMENT

- ▶ Monitor trailers and refrigeration unit temps remotely over wi-fi within yard
- ▶ Pre-cool trailers in the yard remotely using local wi-fi network
- ▶ Change OptiSet Plus™ cargo and unit profiles remotely for multiple units within yard at once
- ▶ Update refrigeration software remotely in yard - up to 10 units at a time



REEFER MANAGEMENT

- ▶ Improve response times with real-time notifications of reefer alarms
- ▶ Increase unit uptime by managing reefer modes, battery voltage and fuel levels
- ▶ Proactively manage cargo temperatures and modes with two-way communication with the reefer unit
- ▶ Download the reefer datalogger remotely to run reefer diagnostics



ED CARGO PROTECTION AND FLEET EFFICIENCY.



FUEL MANAGEMENT

- ▶ Optimize fuel consumption and lower fuel costs by unit and trip using Remote OptiSet Plus
- ▶ Minimize environmental impact with better asset and fuel management
- ▶ Receive notifications on sudden drops in fuel level
- ▶ Monitor reefer refueling events with fuel increase notifications



TEMPERATURE MANAGEMENT

- ▶ Monitor reefer setpoint and return air temperatures and receive out-of-range alerts
- ▶ Protect cargo and optimize reefer performance with Remote OptiSet Plus
- ▶ Monitor product level temperature sensors for food safety
- ▶ Pre-cool trailers at desired unit settings to prepare trailer for journey



DATA MANAGEMENT

- ▶ Remote datalogger download and temperature audit trails for traceability, cargo protection and proof-of-delivery
- ▶ Preventative Maintenance (PM) schedule compliance reports to manage asset utilization
- ▶ Track unit performance and prevent breakdowns with unit operations and fuel history reports
- ▶ Customize and schedule temperature, fuel, door, battery and unit performance reports

REAL-TIME MONITORING AT YOUR FINGERTIPS

Tracking List

Vehicle	Last Known Position	Ign	SP1	SP2	SP3	Date
D17	Leesburg, Virginia, USA	On	33			06/27/11 5:15 PM
D18	Grove City, Ohio, USA	On	33			06/27/11 5:37 PM
D19	Harrisburg, Pennsylvania, USA	On	33			06/27/11 5:34 PM
D20	Lima, Ohio, USA	Off				06/27/11 5:05 PM
	Lincoln, Nebraska, USA	Off				06/27/11 2:50 PM
	Lima, Ohio, USA	Off				06/27/11 4:52 PM
	Grove City, Ohio, USA	On	33			06/27/11 5:41 PM

TrackKing delivers accurate temperature monitoring and operational efficiency by monitoring Set Point, Return Air, Discharge Air, Power Status, Fuel Levels, Real-time Alarms, Battery Voltage, Hours, Door Openings, Reefer Modes, and more for greater peace-of-mind.



Monitor cargo temperature spikes with a quick graph view to reduce risk of load loss.

Alarm History Report
Reefer Alarm Report for period 06/06/2011 17:48 to 06/27/2011 23:59

Preferences
Temperature Type: Fahrenheit | Time Zone: Eastern Standard Time | Speed Type: MPH

Abbreviations
R Severity Red (High)
Y Severity Yellow (Medium)
G Severity Green (Low)

Vehicle Name	Date & Time	Position	Alarm Type	Severity	Ack. By	Ack. Date/Time
D21	06/12/2011 8:15:46 PM	4.12 miles East of Middletown, Ohio, USA	84 Restart Null	G		
D21	06/12/2011 11:20:14 PM	54.82 miles South of Richmond, Kentucky, USA	83 Engine or Vapor Motor Stopped	R		
		32 miles South of Richmond, Tucky, USA	84 Restart Null	G		
		33 miles South of Richmond, Tucky, USA	83 Engine or Vapor Motor Stopped	R		
		33 miles South of Richmond, Tucky, USA	84 Restart Null	G		
		33 miles South of Richmond, Tucky, USA	21 Cooling Cycle Check	Y		
		33 miles South of Richmond, Tucky, USA	84 Restart Null	G		
		33 miles South of Richmond, Tucky, USA	21 Cooling Cycle Check	Y		

Alarm history reports give a quick view of reefer health and potential service actions needed.



Monitor trailer locations at all times and replay journeys to better manage driver efficiency.



Improve fleet up-time by receiving instant notifications of critical events, including unit setting errors and unauthorized access. The TrackKing mobile app is compatible with both Google Android and Apple iOS devices.



INCREASE FLEET EFFICIENCY WITH DATA INTEGRATION

TrackKing is a flexible system that integrates easily with your fleet management system. TrackKing gives you the ability to monitor critical cargo temperatures, trailer locations, 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. Data integration partners include TMW Systems (TruckMate®, Innovative® [ICC], TMW Asset Management® [TMT], TMW Suite® [TotalMail]), McLeod LoadMaster® Software and Add On Systems.

A COMPELLING RETURN ON INVESTMENT

CARGO PROTECTION

Maintain high cargo safety standards and ensure ontime delivery.

- Fewer rejected loads and reduced liability
- Improved traceability to maintain food safety standards

FUEL MANAGEMENT

Save on annual fuel costs with real-time unit usage and cargo visibility.

- Improve fuel consumption and increase fuel efficiency
- Reduce unauthorized fuel usage and monitor unplanned stops

ASSET UPTIME

Eliminate unscheduled breakdowns and improve maintenance.

- On-time delivery and improved customer responsiveness
- Increased productivity and profitability with info on asset utilization

ASSET SECURITY

Be assured that your trailer and cargo are protected and safe.

- Protect the trailer and high value cargo by monitoring location, door openings and trailer locks
- Real-time event notifications of alarms to protect assets



SPECIFICATIONS

Feature	Description
Communications	Cellular (Global GSM/GPRS), Wi-Fi (802.11 b/g/n), Dual Mode
Compatibility	SB, SB-30 , Precedent (Wi-Fi available for SB-30 and Precedent only)
Serial Ports	2 RS-232
Back-up Battery	Standard
Memory	32 Mb
Power Usage	10-16 VDC
Operational Temperature Range	-40°C to +85°C
Dimensions (LxWxH)	(6.22"x3.19"x2.02")
Environmental	RoHS Compliant
Protection	0 to 36V reversed
I/Os	Digital and analog I/Os for door and fuel sensors
Agency Regulatory Certifications	FCC, ICC, CE, PTCRB
TracKing Firmware Upgrade	Over the air (OTA)
Refrigeration Unit Firmware Upgrade	OTA upgrades with TracKing Wi-Fi & TracKing dual mode
Remote OptiSet+	Upload cargo profiles over the air (OTA)

OPTIONS

Sensors

- Wireless CargoLink™ Door Sensors
- CargoWatch™ Air Temperature Sensors
- CargoWatch™ Food Safe Temperature Sensor

Data Loggers and Printers

- DAS
- TouchPrint
- CargoPrint





Combine Thermo Gard Assurance and TrackKing for Ultimate Fleet Management

Get TrackKing with Thermo Gard Assurance and utilize real-time engine hours and reefer alarms data to assess reefer health and make informed decisions to schedule fleet maintenance and manage maintenance costs. Benefits of combining TrackKing with ThermoGard Assurance are:

TrackKing



- Protect your reefer unit with TrackKing and Thermo Gard assurance
- Trailer location information to expedite service
- Real-time alarms for improved diagnostics and more uptime
- Diagnostics made quicker and easier by downloading reefer unit data loggers remotely
- Proactive Preventive Maintenance (PM) due notifications
- PM reports updated within 24 hours

EXPERT SERVICE AND SUPPORT
ARE AS CLOSE AS THIS SIGN.

OVER 200 FACTORY-AUTHORIZED SERVICE CENTERS NATIONWIDE!



Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Thermo King, the leader in transport temperature control and Trane, a provider of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for commercial buildings and homes.

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