

LOCATION: **EL PASO**
ALERT: **TEMP ABOVE 35°F**

LV-400

The New Standard for Reefer Monitoring

The LV-400 is a cost-effective solution that enables users to monitor and remotely manage refrigerated trailers and cargo. Our seamless bi-directional integration with Carrier® Transicold and Thermo King® chillers allows users to remotely make changes to the reefer unit from their PC, thus eliminating frequent driver interaction. The solution delivers around-the-clock trailer tracking and monitoring regardless of hooked or dropped status. Location, inside environment, and events are all monitored and viewable on our User Interface where easy-to-read reports can also be found. Additionally, our data can be easily integrated into your back-end system. The LV-400 is compatible with Single or Multi-Temp compartment trailers.

INTELLIGENT LOGISTICS
Powerful Insights
Smarter Decisions
Higher Performance

Features

- Full reefer monitoring of temperature, alarms, operational status, and changes.
- Landmarks for accurate reporting of arrival and departure times
- Two-way command and control to adjust reefer conditions as necessary from dispatch
- Robust integration with transportation management systems
- Reduced labor costs with automated or desktop yard checks
- Dwell time reporting
- GPS tracking
- Fuel usage reporting by landmark
- Prevention of cargo claims
- Improve maintenance scheduling

Problems Solved

Freight Visibility: Location, environmental condition

Reduce load/loss damage: Alerting on temperature excursions, unscheduled door openings, and route variation.

Cost Reduction: Manage and reduce maintenance costs through engine hour tracking.

Fleet Performance: Create “landmarks” to automatically show when trailers arrive and depart. Receive reminders to start billing for detention and captures fuel levels.



LV-400: ensuring accurate temperature management at all times.

Intelligent Logistics

The LV-400 provides critical insight on the health and efficiency of your refrigerated trailer fleet. Tethered or untethered, the LV-400 updates you with out of range alert notifications, Fuel Level status, landmark arrival and departure, and the accurate proof of temperature information you need to manage your FSMA compliance. Simplify your maintenance program by automatically recording refrigeration unit engine hours and fault codes, helping you schedule preventative maintenance and ensuring accurate temperature management at all times.

View trailer temperature, fuel level, location, and more from your smart phone.

View hitched/unhitched.

Independent fuel sensor shows fuel when refrigeration unit is off.

Receive email alerts for out of range conditions.

Rules-based alarms that generate alerts only when you need to know.

Capture door open and close.

Specifications/Certifications

Dimensions	118mm x 133mm x 36mm
Cellular	LTE, EC21-A, 3G/GSM Fall back is also available LTE/3G for high data bandwidth capability and fast data transfer rate
GPS Receiver	SiRFstarIV, M10478-A3, 66 channels
Bluetooth & Sensor	Bluetooth / Low power IoT connectivity Built-in 3-axis accelerometer ($\pm 2/8g$)
CANbus Interface	J1939
Operating Temperature	-30°C — +85°C
Certifications	FCC, CE, IP67
Interface ports	Digital Input : 2 ports up to 4 ports (optional) Digital Output : 2 ports (Voltage level fixed) Analog input : 3ch, 12bit (Voltage range fixed) Serial Port (RS232) : 1 COM Port up to 2 Ports (optional) Dallas One-Wire Connector: 12 pins, male
Software Features	Over-the-air FW/BL

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