

VS1500 TempDefender

The **TempDefender™** system was specifically designed and developed for the Refrigerated Transportation Fleet Market. The **TempDefender™** system offers a large suite of temperature reporting, monitoring and alerting tools. In addition to continuous fleet tracking data.

Temperature alert notifications are generated when the container temperature exceeds specified high and low thresholds that are set by the end user. Other alerts include notification if the device is disconnected from its power source (requires optional back-up battery), idle time and odd hour movement activity to name a few.

The **TempDefender™** system provides fleet tracking data in real-time, such as current location and indicates whether the vehicle is stationary or moving.

The **TempDefender™** system is also fully supported by our optional two-year and three-year extended warranties.

TARGET MARKETS:

- Food and produce industry
- Refrigerated transport fleets
- Dry goods transportation
- Pharmaceutical industry

PRODUCT DIFFERENTIATORS:

- Real-time temperature and GPS data
- Industrial water resistant enclosure
- Optional back-up battery



QUICK OVERVIEW

- Alerts when temperature exceeds specified high and low caution and critical set-points
- Industrial water resistant enclosure for use in harsh environments
- Temperature data reported in five-minute intervals
- GSM quad-band (850/900/1800/1900 MHz)
- High sensitivity GPS (-160dBm)
- Over-the-air firmware upgrade capability

VS1500 TempDefender

TECHNICAL SPECIFICATIONS

PHYSICAL SPECS

Size: 6'L X 3"W X 1"H

Weight: 4.8 oz.

GPS SPECS

Receiver: 50 Channel, continuous tracking receiver with WASS

ENVIRONMENTAL SPECS

Temp

Operating: -30 to +75C

Storage: -40 to +85C

Shock and Vibration: SAE J1455, US Military 202G and 810F

GSM/WIRELESS SPECS

Wireless: GSM Quad Band (850/900/1800/1900 MHz)

Regulatory Approvals: FCC -PArts 22, 24; PTCRB

GENERAL SPECS

Input Voltage: +6 to +32 VDC

Power Consumption: <75 mA @ 12v Average
<20 mA @ 12v Network Connected Sleep
3 mA @ 12v Deep Sleep

Memory/On board storage: 5,000 positions

Inputs: 2 Biased Low (Ignition & Input 1)
3 Biased High

ANTENNA CONNECTIONS

Cellular: SMC Female Connector

GPS: SMA Female Connector

LEDs

Orange Solid: Communication Established with Cellular Network

Orange Flash: Looking for Cellular Network

Green Solid: Good GPS Signal

Green Flash: Looking for GPS Satellites