

## REMOTELY MONITOR VEHICLE SWITCHES AND TEMPERATURES

Managers and dispatchers can gain valuable insight into the status of their assets in the field by using Trimble Sensor Connect, which automatically records and reports on changes in vehicle-installed switches or sensors. Trimble Sensor Connect alerts and reports can show, for example, when the temperature rises in a refrigerated truck or when a trailer door is opened or closed. Such information helps companies protect their assets and provide quality service. Trimble Sensor Connect, an option solution, supports both Switch Status and Temp Status.

### TRIMBLE SWITCH STATUS

Trimble Switch Status enables monitoring of up to two or four\* independent transition events within a vehicle, such as Door Opened/Closed. This service enables the Trimble in-vehicle hardware to monitor electrical signals from various switches or sensors in the vehicle, then send this information to the Trimble server for use in detailed Fleet Management reports.

Using Trimble GeoManager Fleet Management from the office or any location with Internet access, managers can review easy-to-read reports on the time, date and location where sensor transitions take place. Exception alerts deliver real-time text notification to a manager's PC or SMS-enabled mobile device if a sensor is triggered outside

of defined parameters. Reports on sensor events can let a manager know, for example, when a cargo load was delivered, the location at which a tow was raised, or how many waste truck loads were picked up on a residential block. Such information helps companies improve management of their mobile assets.

### Features

- Monitors up to two or four\* independent contact-based electrical signals per vehicle
- Fleet Management reports and Exception notifications uniquely identify each vehicle's electrical signal, switch state or transition status (e.g., on to off, open to closed)
- Restriction of Hazardous Substances (RoHS) compliant

### SWITCH STATUS KEY BENEFITS

- Verify proper delivery and protect cargo by monitoring trailer door opening and closing times and locations
- Resolve customer disputes with reports showing each time a truck's lift arm is used
- Validate when and where a job started and stopped by monitoring when the lift changes position

### TEMP STATUS KEY BENEFITS

- Protect perishable loads with automatic compartment temperature monitoring
- Protect cargo or quality of service by receiving immediate notifications when sensor events fall outside defined parameters

\* Two with the TVG 660 or four with the TVG 850

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### TRIMBLE TEMP STATUS

Trimble Temp Status works in a similar way as Switch Status, using an available TVG RS-232 port to provide digital temperature data from a customized sensor that is installed in a temperature-controlled compartment of the vehicle. Temp Status is helpful for temperature-sensitive deliveries, such as food and chemical distribution, by automatically providing periodic reports on compartment temperatures for vehicles in the field.

Managers can receive real-time Exception alerts when the temperature of a vehicle compartment exceeds or drops below set thresholds. Such information can maintain the safety of temperature-sensitive chemicals, prevent cargo loss and help resolve customer disputes over spoiled goods.

### Features

- Monitors one temperature status signal per vehicle
- Digital temperature sensor requires an RS-232 port on the in-vehicle hardware
- Reports temperature according to customer-specified reporting intervals or immediately by Exception
- RoHS compliant

