AG NAV

TrackerNav
Precision Navigation System

The TrackerNav system is an advanced Automated Vehicle Location System (AVL) designed with fleet management in mind. Utilizing GPS technology and existing cellular networks provides for a robust, scalable system with no up-front telemetry costs.

TrackerNav consists of an in-vehicle 12 channel GPS receiver coupled with a GSM/GPRS cellular modem. Combined with TrackerNav software on your PC, TrackerNav puts you in control of your data. Data is kept on your computer network. Other AVL systems store data off-site which can lead to costly monthly data hosting fees.

When deployed as part of a fleet management system, TrackerNav delivers accurate real-time information enabling route planners to compare where the vehicle should be and where the vehicle actually is.

Knowing where your vehicles are and what is happening in the field can reduce response times when there is an incident. Accidents, breakdowns, delays, and absent drivers can be dealt with faster when staff have an accurate picture of what is happening and are able to make adjustments in real-time. Real-time data results in fewer delays, better deployment of contingency resources and ultimately, better service to your customers.

TrackerNav shows what the fleet actually did versus what the fleet was supposed to do. Coupled with planned routes, runs, and pickups, TrackerNav provides the answers to the following often unanswered questions:

• Why is a vehicle often late?

• Where is the vehicle now?

• Why does one vehicle consume more fuel than other vehicles operating on similar routes?

SPECIFICATIONS:

Dimensions: 16.5 cm x 9.5 cm x 3.9 cm
Weight: 0.38 kg
GPS Receiver: 12 channel
GPS Antenna: Active stub or roof mount
Update Rate: 1 Hz
Accuracy: 1–15 meters (average)
Datum: WGS-84
Power Supply: 9-30V DC
Power Consumption: 80 mA @ 12V (standby mode)
    20 mA @ 12V (sleep mode)

Operating Temp: -25 °C to 50 °C (32 °F to 120 °F)
Storage Temp: -40 °C to 70 °C (-5 °F to 155 °F)
Built In Memory: 2 MB flash memory
Input Ports: 2 digital inputs (positive triggered) 6 digital inputs (negative triggered) 2 analog inputs (0 – 30 V DC)
Output Ports: 3 digital outputs (positive trigger, max 300 mA, 12 V DC) 4 digital outputs (negative trigger, max 300 mA, 12 V DC) 1 digital output (negative trigger, max 10 A 12 V DC)
Serial Ports: 1 – DB9 male connector, RS-232 (configurable parameters) 1 – RJ-59 Connector (configurable parameters)

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