

TRAKIT-20



Real-time monitoring and direction of fleet activity increases productivity. The TRAKIT-20 interfaces to a variety of radio and cellular communications equipment enabling not only local but also wide area tracking capability. TRAKIT intelligence provides for efficient real-time tracking, maximizing the capabilities of the communications link. Event and position triggers can be configured to give information that is needed, when it is needed by the dispatcher. Activity data is captured in the TRAKIT-20 which can be downloaded over-the-air to the office computer. This data can be used for playback or processed by the TRAKIT-ANALYZER to produce reports and graphs of vehicle activity. Efficiency of a fleet improves when activity is coordinated and directed from a central location. The closest vehicle can be dispatched to a job. Drivers can be assisted for directions and routing. Fleet managers can monitor, real-time the progress and disposition of fleet vehicles. Drivers are encouraged to stay on task.

FEATURES

- Use for both real-time monitoring and data logging
- Attaches to radio and circuit switched cellular communications equipment
- Configure on-board parameters over-the-air from the base station
- Intelligent triggering of real-time position reporting
- Intelligent position recording in the on-board data buffer
- Report/record locations using dynamic speed parameters
- Report/record locations using heading change parameter
- Download buffer data over-the-air to office computer
- Up to two user-defined inputs
- User-defined output port has numerous programmable operating modes.
- Radio version compatible with the TRAKIT VEHICLE MESSAGE TERMINAL

TRAKIT 20 SPECIFICATIONS

Input Voltage	11 VDC – 18 VDC
Standby current @ 13.8 VDC With GPS receiver and antenna	125mA 310mA
Temperature Range	0 to + 70 deg C
Relative Humidity	90% at 50 deg C
Tx Audio output impedance High impedance	600 ohms 10K ohms
Tx Audio level Into 600 ohms	0V to .77V RMS
Rx audio level	30mV RMS to 2.5V RMS
Modem data	1200 baud MSK
Weight	1.1 lb.
Dimensions	5.5" x 5.5" x 1.5"

Description

The Trakit-20 provides a full featured Automatic Vehicle Location (AVL) system for fleet management using the Global Positioning System (GPS). The Trakit-20 contains a GPS receiver, a data buffer, and a data modem. Location data is accumulated in the buffer and can be sent to the base through a radio link.

The Trakit-20 is designed for use on 450 MHz, 800 MHz, shared or dedicated, trunked or conventional radio systems. Interfaces to a number of different radios have been developed for the Trakit-20. Various radio interface cables are available for quick and easy installation.

Capabilities and Features:

- Can be used on 450 MHz, 800 MHz, shared or dedicated, trunked or conventional radio systems.
- Interface kits to many radios are available for easy installation.
- Operating and timing parameters are stored in non-volatile EEPROM and can be programmed to meet system requirements.
- Report/Record locations based on speed parameters.
- Report/Record locations based on changes in heading.
- Voice and data can be intermixed on the radio channel.
- Data output port has numerous programmable operating modes.
- Two external inputs allow position records to be generated on external events.
- On board battery backed position buffer holds 1000+ records
- Internally located GPS receiver board.
- Onboard 1200 baud MSK modem.