High Performance GPS Tracking

DESCRIPTION

The RTS GSM Series is a high performance long range tracking system using global cellular radio technology to communicate the position of people, vehicles, and other remote assets. Remote transmitter and base receiver units support quad band communication with frequencies of 850 / 900 / 1800 / 1900 MHz. The technology is most suitable for tracking units located where global cellular wireless service, specifically General Packet Radio Service (GPRS) and Global System for Mobile Communications (GSM) is available.

Remote tracking units, equipped with GPS receivers, report their position to a GSM base unit via GPRS or Short Message Service (SMS), and, in turn communicate with a Command and Control System (CCS). The CCS integrates the tracking data with data from Google Earth and Google Maps to display real-time tracking unit location and status data via the vMonitor software.

The GSM series can simultaneously track an unlimited number of remote units, each transmitting ID and alarm data, GPS position and satellite count, heading, and speed.

Browser based Tracking

vMonitor--User Interface for Real Time Tracking and Configuration
Global Cellular Tracking System

SPECIFICATIONS

GENERAL RADIO SPECIFICATIONS
Frequency
850/900/1800/1900 MHz
Compliant to GSM phase 2/2+
Output Power
Class 4 (2W @ 850/900 MHz)
Class 4 (1W @ 1800/1900 MHz)
Transmission Media
Global System for Mobile Communications (GSM)
Reporting
General Packet Radio Service (GPRS)
Short Messaging Service (SMS)

REMOTE FIELD TRACKING UNITS
GPS Data
Unit ID, Latitude, Longitude, Heading, Speed, Active Satellite Count, Unit Status
GPS Receiver
# channels 20
Circular error probability 15 meters
Standard update rate 20 second (adjustable)

Personnel Tracking Unit
Input power Lithium polymer battery
Usage time 10.0 hours typical
(10 min. reporting interval)
Dimensions 68 mm x 40 mm x 21 mm
Weight 2.3 ounces (65 g)
Operating temperature -20 °C to +55 °C

FEATURES:
- Geo-Fence Exit & Entry Alerts
- Text & Email Notification
- Trip History View
- Live View
- Panic Alert
- Data Download

ORDERING INFORMATION

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