

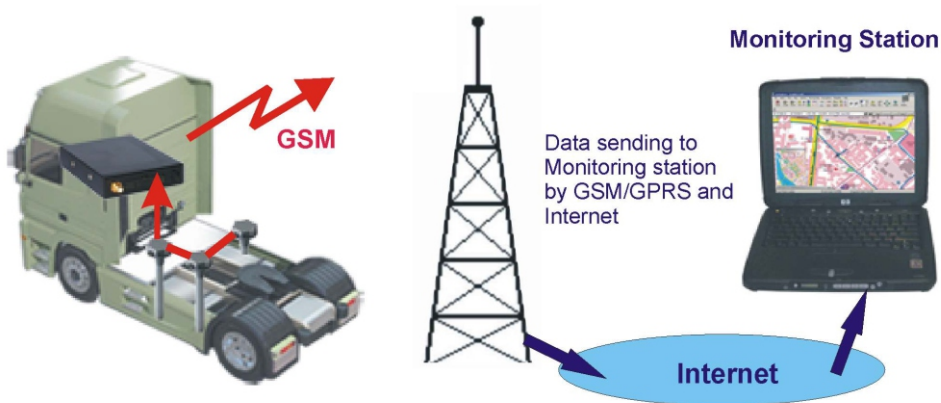
GuardMagic VF2, GuardMagic VF2m

Anti Hacking Communication Protocol
Multi Tanks Support
Large Internal Memory
Adaptive Data Fixing
Driving Behavior (Eco-Driving)
Active Stand By Mode



GuardMagic VF2 (VF2m)

Compact Universal Vehicle Monitoring Module With Fuel Monitoring Functionality and Multi Fuel Tanks Supports



Anti Hacking Communication Protocol

Allows to prevent possibility by easy way hack your monitoring system and prevent artificially generate false data

Multi Tanks Supports

Allows to independently monitor up to THREE fuel tanks of your truck and have fuel history for each fuel tank.

Metall Case

Allows to prevent device from micro wave. Destroy device by driver in microvawe oven.

Large Internal Memory

Allows to store all information about vehicle movement, vehicle status and vehicle sensor status outside GSM coverage. When GSM coverage will appear module in full automatic mode will start to send information from memory to monitoring station.

Two Main Operation Modes

Most optimal terms of data fixing for vehicle and for construction machinery.

GuardMagic VF2, GuardMagic VF2m

DESCRIPTION

GuardMagic VF2 (GuardMagic VF2m) are compact vehicle modules for vehicle and vehicle fuel monitoring with multi tanks support functionality and anti hacking communication protocol.

GuardMagic VF2 (GuardMagic VF2m) provides immediate transmitting or storing and posterior transmitting information about vehicle location, parameters of vehicle movement, status of external sensors or external circuits, fuel level in vehicle fuel tanks to monitoring station (special server) by GSM-GPRS network.

GuardMagic VF2 is intended for construction vehicle monitoring, fuel monitoring, fleet management systems.

GuardMagic VF2 can be applied on: motor transport (passenger or cargo), road, construction, special machinery, tractor, bulldozers, dredges, combines, railway transportation, river transport

APPLICATION



BENEFITS

- metall case: microwave protection ("microwave oven protection");
- high security level (anti hacking) communication protocol;
- multi tanks support;
- large internal memory for storing all data outside GSM coverage;
- adaptive data fixing and data packing;
- active "Stand By" mode;
- monitoring driving behaviour (Eco-Driving) and quality of driving;
- directly connection to resistive type vehicle regular fuel sensor (GuardMagic VF2m);
- processing data from regular fuel sensor (GuardMagic VF2m);
- "One Click" connection to DLLS1 fuel level sensors.

FEATURES

- coordinates definition (GPS position) and parameters of truck movement;
- transmitting by GSM/GPRS to the Monitoring Station coordinates of truck, parameters of movement, fuel level in truck fuel tanks, engine On-Off status, panic button status, GPS receiver status, digital fuel sensors status;
- storing the GPS data and data from external sensor in internal non-volatile memory and posterior transmitting this information by GSM/GPRS to monitoring station;
- automatic storing data in internal memory than GPRS connection is absent;
- automatic starting sending data from memory than GPRS connection appear;
- user programming module configuration;;
- remote engine starting blocking.

GuardMagic VF2, GuardMagic VF2m

SPECIFICATION

GENERAL DATA

GSM	- 850/900/1800/1900 MHZ - Class 4 - 850/900 - Class 2 - 1800/1900
GPS	-165 dBm ; 22 tracking/66 acquisition-channel
Data transmitting	GPRS (Class B, Multislot 10)
Communication protocol	Universal and "Anti Hacking"
Main power voltage	12/24V (DC 9 ... 30V)
Digital "fuel interface"	EIA-485
Analog fuel input	0...5V or 0...12V
Logical inputs	2
Supports fuel level sensors:	
- digital (EIA-485 interface)	3
- analog	1
- vehicle regular resistive type	1 (GuardMagic VF2m)
Fuel level resolution	1024 or 4096
Logical output	1 (up to 2A. Relay, LED, buzzer)
Engine remote start blocking	YES
Module configuration	user setting
Operation application	indoor (in cabin)
Operation temperature	-30 ...+70
Life time (not less than)	10 Years
Weight	230 gr
Case	metal

OPERATION SPECIFICATION

Internal memory	110 Thousand records
Data Retention	20 years
Fuel Data Processing	YES (GuardMagic VF2m)
Working mode	- operation - active standby - sleep
Operation mode	- transport - special machinery
Data fixing	automatic, adaptive:
Module configuration and setting	customer (by PC)
Remote module resetting	YES (GPRS, SMS)
Remote commands	YES

Fuel data:



Adaptive data fixing:

