

# Stationary Objects Monitoring



## GuardMagic FSM2/1

## fuel monitoring system

**GuardMagic FSM2/1 (FSM3/1):** is a compact universal GSM/GPRS module for monitoring status of remote objects: fuel storage tanks, fueling station diesel generators, refrigerators, pumps etc.



**GuardMagic FSM2/1**

### Specification:

GSM	850/900/1800/1900
Data transmitting	GPRS
Main power voltage	DC 9 ... 12 V
Reserve battery voltage	6,3 V
Digital "fuel interface"	EIA-485
Logical inputs	4
Pulse inputs (programmable)	2 (FRQ or Count.)
Maximum pulses per minutes	up to 64 000
Digital temperature interface	1-wire
Supports fuel level sensors	3 ("FSM3/1"-7)
Supports temperature sensors	7
Fuel level resolution	1024 or 4096
Logical output	1 (up to 0,5A)
Module configuration	user programming
Operation mode	continous
Operation application	indoor
Operation temperature	-20 ...+55
Restricted operation	-30 ...+70

### Application:

- Fuel storage
- Fueling station
- Diesel generator
- Power distribution station, power transformer
- Pumps
- Refrigerator

### About:

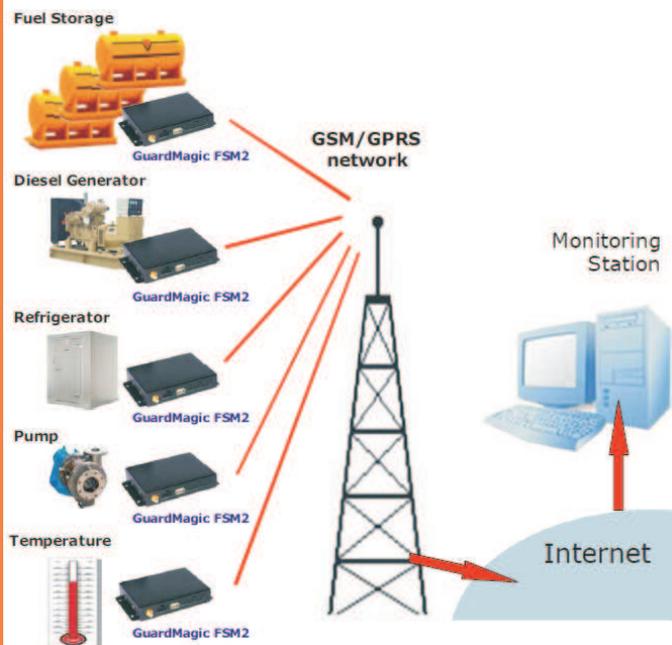
GuardMagic FSM2/1 is universal GSM/GPRS module for remote objects wireless monitoring. Module allow remotely monitor: fuel level in fuel and oil tanks, diesel generators status and key operation parameters, temperature etc. GuardMagic FSM2/1 in full automatic mode collect and send to monitoring station information from external sensors: fuel level and temperature sensors, data from flow meters or RPM sensors, logical circuits or customer logical sensors.

### Advantages:

- Multi tanks support
- Multi temperature sensors support
- High "Fuel resolution" (up to 4096 levels)
- Remote location of fuel level sensors (hundreds meters)
- Possibility of intelligent fuel level sensor powering
- Universal communication protocol

### Stationary Object Monitoring Structure:

- External sensors;
- GuardMagic FSM module;
- GSM network and Internet;
- Monitoring station.



Gives More, Than You Think