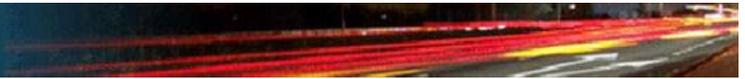


Fuel Storage Tank and Diesel Generator GSM/GPRS monitoring module.

GuardMagic FSM2 General Data:

		GuardMagic FSM 2
1	Power source	
1.1	External main power	9V... 12 V DC
1.2	External reserve battery	6,3 V
2.	Inputs-Outputs in general	
2.1	Digital "fuel" interface	EIA-485
2.3	Logical inputs (summary)	4
2.4	Pulse inputs (frequency or counting)	2
2.5	Digital "temperature" interface	1-Wire
3.	Main connection:	
3.1	Total fuel level sensors (fuel tanks monitoring)	3
3.2	Digital fuel sensor (GuardMagic DFLS3, DFLS4 or with the same communication protocol) up to:	3
3.3	Tamper sensor or tamper circuit (logical)	1
3.4	Customer logical sensor or circuit	3
3.5	Pulse circuits (sensors)	2
3.6	Total temperature sensors connection (temperature monitoring)	7
4.	Main technical data and function	
4.1	"Fuel accuracy" (depend of sensor type) up to (levels):	1024 or 4096
4.2	Functionality:	<ul style="list-style-type: none"> • Operation; • Programming
4.3	Operation mode:	<ul style="list-style-type: none"> • Real Time; • Packet; • Logger*.
4.4	Data transmitting:	GSM/GPRS
4.5	GPRS connection to monitoring station	900/1800/1900 or Quad
4.6	Internal memory (store collected data)	main or reserve
4.7	Automatic storing collecting information if GPRS or Internet connection is absence.	+
4.8	Automatic transmitting (or storing) data from fuel level sensors and external sensors	+
4.10	Connection to temperature sensors;	+
	Automatic activation for data sending (alarm data):	+
	<ul style="list-style-type: none"> • Tamper; • Logical inputs activation; • Fueling or Fuel drain over; • Main power alarm (if reserve battery connect); • Pulse signal starting. 	+
4.11		+
4.12	User programming periodicity of data sending	+



		GuardMagic FSM 2
5	Additional	
5.1	Main Power control (if reserve battery connecting)	+
5.2	Possibility connection to pulse flow meter and/or engine RPM sensor (pulse counting)	+
5.3	Base station time synchronization	+
5.4	Available edition: <ul style="list-style-type: none"> • Standard (inside application) • Dust and water resistance (outside application, IP 65 plastic enclosure) • Anti vandal, dust and water resistance (outside application, IP 65 aluminium enclosure) 	+

2. GuardMagic FSM module serie. Standard Edition



GuardMagic FSM
Fuel Storage Tank
GSM/GPRS Monitoring Module
Standard Edition

- Dimension without antenna connector: 140x 85x 25 mm
- Weight: 270 gr.
- Weight in packing:800 gr.

2. Additional information

- GuardMagic FSM modules use– GuardMagic GPRS Universal communication protocol.