

10-02-2015

Functionality Table

	Type of Function	
1.	Power source	
1.1	Vehicle battery 12 /24 V (9 ... 30 V)	+
1.2	External reserve battery (12 V , 1,2 A/h)	+
2.	Inputs-Outputs in general	
2.1	Logical inputs (in summary)	7
2.2	EIA-485 interface ("digital fuel bus")	+
2.3	Quantity of EIA-485 interface ("digital fuel bus").	2
2.4	1-Wire interface	2
2.5	RS-232 interface (for advanced functionality)*	+
2.6	Pulse input (engine RPM)	1
2.7	Logical output	2
3.	Connection to: (inputs signal circuits and sensors)	
3.1	Ignition switch	+
3.2	Panic Button	+
3.3	EVENT button	+
3.4	Car (truck) guard module	+
3.5	Vehicle regular fuel tank empty sensor	+
3.6	Vehicle regular overheat sensor	+
3.7	External crash sensor	+
3.8	Customer logical sensors	+
3.9	Vehicle RPM sensor (or customer RPM sensor)	+
3.10	Driver identification reader (i-Button)	+
3.11	Digital fuel level sensors (GuardMagic DLLS, GuardMagic DLLE or similar), 485 bus,total	14
3.12	Digital temperature sensors (1-wire), total	7
3.14	Fuel quality sensors (water activity, viscosity, density), total up to	6
3.15	Trailer identification module (GuardMagic TRIM1, TRIM2 or similar); 485 bus	+
3.16	Possibility; additional data concentrator to EIA-485 interface	+
3.17	Possibility; additional "Fuel Inlet Cap Sensor controller	+
3.18	Possibility; additional terminals (navigator, SCADA etc.) by RS-232 interface	+
3.	Connection to: (outputs)	
4.1	Engine start blocking relay (engine blocking relay)	+
4.2	Customer additional relay	+
4.3	External buzzer connection for sound notification (sound alarm)	+

	Type of Function	
5.	Main Function	
5.1	Supported monitoring station (main, reserve)	main and reserve
5.2	Adaptive data fixing	+
5.3	GPS information sending (speed, date, time, coordinates)	+
5.4	Acceleration and deceleration (quick start and harsh breaking) information sending	+
5.5	ECO driving	+
5.6	Sending information from external sensors	+
5.7	Internal memory for 110Thousand records. Storing collecting information if GPRS connection is absence.	+
5.8	Operation mode:	Packet, Real Time
5.9	Operation mode: - transport mode; - special machinery mode.	+
5.10	Sleep mode	+
5.11	Active stand by mode	+
5.12	Driver identification	+
5.13	Immobilization function	+
5.14	Remote blocking engine starting (engine blocking)	+
5.15	Engine ON-Off monitoring	+
5.16	Sending information about PANIC button pressing	+
5.17	Sending information about EVENT button pressing	+
5.18	Sending engine overheat information	+
5.19	Car alarm activation monitoring	+
5.20	Regular fuel tank empty monitoring	+
5.21	Automatic sending information about road accident, crash information (if CRASH sensor connected)	+
5.22	Sending information about engine RPM	+
5.23	Sending information about vehicle voltage (main power monitoring)	+
5.24	Sending information about engine load in development	+
5.25	GPS receiver status monitoring	+
5.26	"Digital Fuel Bus" status monitoring	+
5.27	Total fuel tanks monitoring	14
5.28	Regular fuel tanks fuel monitoring; analog sensor (tanks qty.)	-
5.29	Regular fuel tanks monitoring, digital fuel sensors; (tanks qty.). (GuardMagic DLLS1 or other with the same communication protocol).	3
5.30	Cargo tanks or service tanks monitoring, digital fuel sensors (GuardMagic DLLS, DLLE or sensor with the same communication protocol).	11
5.31	Additional fuel interface for cargo tanks	+

	Type of Function	
5.	Main Function	
5.32	Fuel level resolution (levels)	1024 or 4096
5.33	Sending temperature information from fuel level sensors	+
5.34	"Fuel Quality" monitoring: water activity, density, viscosity	+
5.35	Total monitoring of "Fuel Quality" sensors	6
5.36	Temperature monitoring. (GuardMagic DTS or other sensors with 1-wire communication protocol).	+
5.37	Trailer monitoring (trailer ID)	+
5.38	Synthetic ignition	+
5.39	Remote module reprogramming by GPRS	+
5.40	"Two-Step" overspeed sound alarm	+
6.	Additional Function	
6.1	Two step over speed sound alarm	+
6.2	Main power status monitoring	+
6.3	Automatic theft car signal transmitting.	+
6.4	Automatic transmitting information about not authorization engine starting	+
6.5	Execute commands receiving: Set, Block, Unblock	+
6.6	Module main setting by PC	+
6.7	Remote module reprogramming by GPRS	+
6.8	Main commands by SMS	+