

# Template:FMM Device Family Parameter list

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## System parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
100	Uint8	0	0	2	0 - Ignition 1 - Movement 2 - GPS	Movement source
106	Uint8	1	0	1	0 - Disable 1 - Enable	Static navigation
107	Uint8	2	0	2	0 - After Position Fix 1 - Always 2 - After Time Sync	Send/Save records without TS
108	Uint8	1	0	1	0 - Disable 1 - Enable	LED Indication
109	Uint8	10	1	15	0 - Undefined 1 - Beidou only 2 - Glonass only 3 - Glonass and Beidou not allowed 4 - Galileo only 5 - Galileo and Beidou 6 - Galileo and Glonass 7 - Galileo, Glonass and Beidou not allowed 8 - Gps only 9 - Gps and Beidou 10 - Gps and Glonass 11 - Gps, Glonass and Beidou not allowed 12 - Gps and Galileo 13 - Gps, Galileo and Beidou 14 - Gps, Galileo and Glonass 15 - Gps, Galileo, Glonass and Beidou and not allowed	GNSS source
110	Uint8	0	0	1	0 - On need 1 - After ignition on	Battery charge mode

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
102	Uint8	2	0	2	0 - Disable 1 - Gps sleep 2 - Deep sleep	Sleep settings
103	Uint16	1	1	3000	Minutes	Timeout

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
101	Uint8	0	0	2	0 - Power voltage 1 - DIN 1 2 - Accelerometer	Ignition settings

<b>104</b>	Uint16	30000	0	30000	mV	High voltage
<b>105</b>	Uint16	13200	0	29999	mV	Low voltage
Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>900</b>	Uint8	1	Min	Max	0 - Gps only 1 - NITZ and NTP 2 - NTP 3 - NITZ	Synchronization settings
<b>901</b>	Uint8	0	0	24	Hours	NTP Resync
<b>902</b>	Char	"avl1.teltonika.lt"	0	55	String	NTP server 1
<b>903</b>	Char	"pool.ntp.org"	0	55	String	NTP server 2

## GPRS parameters

Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>1000</b>	Uint32	5	0	259200	Seconds	Open link timeout
<b>1001</b>	Uint16	30	5	300	Seconds	Response timeout
<b>1002</b>	Uint8	0	0	1	0 - Newest 1 - Oldest	Sort by
Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>2000</b>	Uint8	1	0	1	0 - Disable 1 - Enable	GPRS context
<b>2001</b>	Char	""	0	32	String	APN
<b>2002</b>	Char	""	0	32	String	APN username
<b>2003</b>	Char	""	0	32	String	APN password
Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>2004</b>	Char	""	0	55	String	Domain
<b>2005</b>	Uint16	0	0	65535	Number	Port
<b>2006</b>	Uint8	1	0	1	0 - TCP 1 - UDP	Protocol
Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>2010</b>	Uint8	0	0	2	0 - Disable 1 - Backup 2 - Duplicate	Backup Server Mode
<b>2007</b>	Char	""	0	55	String	Backup Server Domain
<b>2008</b>	Uint16	0	0	65535	Number	Backup Server Port
<b>2009</b>	Uint8	0	0	1	0 - TCP 1 - UDP	Backup Server Protocol
Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>13003</b>	Uint8	1	0	1	0 - Disable 1 - Enable	FOTA WEB Status
<b>13000</b>	Char	fm.teltonika.lt	0	55	String	FOTA WEB Domain
<b>13001</b>	Uint16	5000	0	65535	Number	FOTA WEB Port
<b>13002</b>	Uint16	720	30	65535	Number	FOTA WEB Period

## SMS/Call settings

Parameter ID	Parameter Type	Default value	Value range	Value	Parameter name	
<b>3000</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Allow SMS data sending

<b>3001</b>	Char	""	0	16	String	Data Send Number
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
3003	Char	""	0	5	String	Login
3004	Char	""	0	5	String	Password
3006	Uint16	UTC+00:00	UTC-12:00	UTC+13:00	Time zone	SMS event Time Zone
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
3005	Uint8	0	0	4	0 - Do nothing 1 - Hangup 2 - Report position 3 - Spy call 4 - Auto answer	Incoming call action
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
3007	Uint8	0	0	7 (3 for FMB125)	0 - Disable 1 - DIN1 2 - Crash event 3 - DIN1 and Crash event 4 - DIN2 5 - DIN1 and DIN2 6 - DIN2 and Crash event 7 - DIN1, DIN2 and Crash event	Outgoing call trigger
<b>3008</b>	Uint8	0	0	10	GSM number	GSM number index
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
<b>4000-4199</b>	Char	""	0	16	String	Authorized number
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
<b>6000-6009</b>	Char	""	0	16	String	Predefined number

## GSM operators

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
5000-5049	Uint32	0	0	999999	Number	SIM1 roaming operator list
9500-9549	Uint32	0	0	999999	Number	SIM2 roaming/home operator list
5500-5549	Uint32	0	0	999999	Number	Operator blacklist

## Data acquisition mode parameters

### Home Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10000</b>	Uint16	3600	0	65535	Min Period
<b>10004</b>	Uint8	1	1	255	Min Saved Records
<b>10005</b>	Uint16	120	0	65535	Send Period

## Home Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10050	Uint16	300	0	65535	Min Period
10051	Uint16	100	0	65535	Min Distance
10052	Uint8	10	0	180	Min Angle
10053	Uint8	10	0	100	Min Speed Delta
10054	Uint8	1	1	255	Min Saved Records
10055	Uint16	120	0	65535	Send Period

## Roaming Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10100	Uint16	3600	0	65535	Min Period
10104	Uint8	1	1	255	Min Saved Records
10105	Uint16	0	0	65535	Send Period

## Roaming Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10150	Uint16	300	0	65535	Min Period
10151	Uint16	100	0	65535	Min Distance
10152	Uint8	10	0	180	Min Angle
10153	Uint8	10	0	100	Min Speed Delta
10154	Uint8	1	1	255	Min Saved Records
10155	Uint16	0	0	65535	Send Period

## Unknown Network GSM operator code "Vehicle on STOP" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10200	Uint16	3600	0	65535	Min Period
10204	Uint8	1	1	255	Min Saved Records
10205	Uint16	120	0	65535	Send Period

## Unknown Network GSM operator code "Vehicle MOVING" parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
10250	Uint16	300	0	65535	Min Period
10251	Uint16	100	0	65535	Min Distance

<b>10252</b>	Uint8	10	0	180	Min Angle
<b>10253</b>	Uint8	10	0	100	Min Speed Delta
<b>10254</b>	Uint8	1	1	255	Min Saved Records
<b>10255</b>	Uint16	0	0	65535	Send Period

## Features parameters

### Green driving parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11000</b>	Uint8	0	0	3	0 - Disable	Scenario settings
					1 - Low priority	
					2 - High priority	
					3 - Panic priority	
<b>11004</b>	Uint8	2.5	0.5	10	m/s <sup>2</sup>	Max acceleration
<b>11005</b>	Uint8	2.7	0.5	10	m/s <sup>2</sup>	Max braking
<b>11006</b>	Uint8	3.4	0.5	10	m/s <sup>2</sup>	Max cornering
<b>11007</b>	Uint8	0	0	1	0 - GPS	Source
					1 - Accelerometer	
<b>11008</b>	uint8	0	0	1	Enable/Disable	Duration
<b>11003</b>	Uint8	0	0	2 (1 for FMB125)	0 - None	Output control
					1 - DOUT 1	
					2 - DOUT 2	
<b>11001</b>	Int32	200	100	5000	Milliseconds	DOUT ON duration
<b>11002</b>	Int32	200	0	5000	Milliseconds	DOUT OFF duration
<b>7034</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8034</b>	String	"Green Driving"	0	160	Text	Sms text

### Overspeeding scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11100</b>	Uint8	0	0	3	0 - Disable	Scenario settings
					1 - Low priority	
					2 - High priority	
					3 - Panic priority	
<b>11104</b>	Uint16	90	0	260	km/h	Max speed
<b>11103</b>	Uint8	0	0	2 (1 for FMB125)	0 - None	Output control
					1 - DOUT 1	
					2 - DOUT 2	
<b>11101</b>	Int32	200	100	5000	Milliseconds	DOUT ON duration
<b>11102</b>	Int32	200	0	5000	Milliseconds	DOUT OFF duration
<b>7032</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8032</b>	String	"Overspeeding"	0	160	Text	Sms text

### Jamming scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11300</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
<b>11303</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11304</b>	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT1 2 - DOUT2	Output control
<b>11301</b>	Int32	200	100	5000	Milliseconds	DOUT ON duration
<b>11302</b>	Int32	200	0	5000	Milliseconds	DOUT OFF duration
<b>11305</b>	Uint16	60	0	65535	Seconds	Timeout

## Immobilizer scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11700</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
<b>11701</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11702</b>	Uint8	0	0	2 (1 for FMB125)	0 - Disable 1 - Enable (DOUT 1) 2 - Enable (DOUT 2)	Output control
<b>11703</b>	Uint8	0	0	1	0 - Disable 1 - Enable	iButton list check
<b>7140</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8140</b>	String	"Immobilizer"	0	160	Text	Sms text
<b>60068</b>	Uint16	30	1	65535	Seconds	Ignition Off timeout
<b>60076</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Alcotester Check
<b>60077</b>	Double	0.4	0	4	%	BAC Threshold
<b>11708</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Blood Alcohol Content Event
<b>7268</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8268</b>	String	"Blood" Alcohol Content"	0	160	Text	Sms text

## DOUT control via call scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>12000</b>	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT 1 2 - DOUT 2	Digital Output control
<b>12001</b>	Uint8	0	0	3 (1 for FMB125)	0 - None 1 - DIN 1 2 - DIN 2 3 - DIN 3	DOUT deactivation
<b>12002</b>	Int32	5	0	2147483647	Seconds	Duration timeout

## DOUT 1 Output type

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
60067	Uint8	0	0	1	0 - Normal 1 - Inverted	Digital Output control

## iButton read notification

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11704	Uint8_t	0	0	3	0 - Disabled 1 - DOUT 1 2 - DOUT 2 (FMB120) 3 - DOUT 3 (only for FMB130)	Digital Output control
11705	Uint16_t	200	100	50000	Milliseconds	DOUT duration
11706	Uint8_t	0	0	1	0 - Disabled 1 - Enabled	iButton notification list
11707	Uint8_t	0	0	1	0 - Disabled 1 - Enabled	Depend on ignition

## Trip/Odometer

### Trip scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
11800	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
11801	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
11802	Uint8	0	0	1	0 - Continuous 1 - Between records	Mode
11803	Uint8	5	0	255	km/h	Start speed
11804	Uint16	60	0	65535	Seconds	Ignition off timeout
7031	Uint8	0	0	10	Phone number	Send SMS to
8031	String	"Trip"	0	160	Text	Sms text

### Advanced trip scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
700	Uint16	100	0	65535	0 - Disable	Eco score allowed events
11805	Uint8	0	0	1	0 - Disable 1 - Enable	Remember iButton

### Odometer parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11806</b>	Uint8	0	0	2	0 - GNSS 1 - OBD 2 - LVCAN	Calculation source
<b>11807</b>	Uint32	0	0	4294967	Kilometer	Odometer Value

## AutoGeofencing scenario parameters

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>20000</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Priority
<b>20002</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>20003</b>	Uint16	5	0	65535	Minutes	Activation timeout
<b>20001</b>	Uint8	0	0	2	0 - On exiting zone 1 - On entering zone 2 - On both	AutoGeofence event generating
<b>20005</b>	Uint8	0	0	5	0 - Power voltage 1 - Digital input 1 2 - Engine RPM 3 - Digital input 2 4 - Digital input 3 5 - iButton	Deactivate by
<b>20004</b>	Uint32	100	0	1000000	Value	Radius
<b>7030</b>	Uint64	0	0	10	Phone number	Send SMS to
<b>8030</b>	String	"AutoGeofence"	0	160	Text	Sms text

## Manual Geofence

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>20100</b>	Uint8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority
<b>20101</b>	Uint8	0	0	3	0 - No event 1 - On exiting zone 2 - On entering zone 3 - On both	Operand
<b>20102</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>20103</b>	Uint32	1	0	1000000	Border value	Frame border
<b>20104</b>	Uint8	0	0	1	0 - Circle 1 - Rectangle	Shape type
<b>20105</b>	Uint32	5	0	1000000	Metres	Radius
<b>20106</b>	Double	0	-180	180	Coordinate	X1
<b>20107</b>	Double	0	-90	90	Coordinate	Y1
<b>20108</b>	Double	0	-180	180	Coordinate	X2
<b>20109</b>	Double	0	-90	90	Coordinate	Y2
<b>20110</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Overspeeding
<b>20111</b>	Uint16	90	0	1000	km/h	Max allowed speed
<b>7025</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8025</b>	String	"Geozone Zone #"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Zone number	Parameter													
	Priority	Event generating	Eventual records	Frame border	Shape type	Radius	X1	Y1	X2	Y2	Overspeeding	Max allowed speed	Send sms to	SMS text
1	20100	20101	20102	20103	20104	20105	20106	20107	20108	20109	20110	20111	7025	8025
2	20120	20121	20122	20123	20124	20125	20126	20127	20128	20129	20130	20131	7026	8026
3	20140	20141	20142	20143	20144	20145	20146	20147	20148	20149	20150	20151	7027	8027
4	20160	20161	20162	20163	20164	20165	20166	20167	20168	20169	20170	20171	7028	8028
5	20180	20181	20182	20183	20184	20185	20186	20187	20188	20189	20190	20191	7029	8029
6	20200	20201	20202	20203	20204	20205	20206	20207	20208	20209	20210	20211	7071	8071
7	20220	20221	20222	20223	20224	20225	20226	20227	20228	20229	20230	20231	7072	8072
8	20240	20241	20242	20243	20244	20245	20246	20247	20248	20249	20250	20251	7073	8073
9	20260	20261	20262	20263	20264	20265	20266	20267	20268	20269	20270	20271	7074	8074
10	20280	20281	20282	20283	20284	20285	20286	20287	20288	20289	20290	20291	7075	8075
11	20300	20301	20302	20303	20304	20305	20306	20307	20308	20309	20310	20311	7076	8076
12	20320	20321	20322	20323	20324	20325	20326	20327	20328	20329	20330	20331	7077	8077
13	20340	20341	20342	20343	20344	20345	20346	20347	20348	20349	20350	20351	7078	8078
14	20360	20361	20362	20363	20364	20365	20366	20367	20368	20369	20370	20371	7079	8079
15	20380	20381	20382	20383	20384	20385	20386	20387	20388	20389	20390	20391	7080	8080
16	20400	20401	20402	20403	20404	20405	20406	20407	20408	20409	20410	20411	7081	8081
17	20420	20421	20422	20423	20424	20425	20426	20427	20428	20429	20430	20431	7082	8082
18	20440	20441	20442	20443	20444	20445	20446	20447	20448	20449	20450	20451	7083	8083
19	20460	20461	20462	20463	20464	20465	20466	20467	20468	20469	20470	20471	7084	8084
20	20480	20481	20482	20483	20484	20485	20486	20487	20488	20489	20490	20491	7085	8085
21	20500	20501	20502	20503	20504	20505	20506	20507	20508	20509	20510	20511	7086	8086
22	20520	20521	20522	20523	20524	20525	20526	20527	20528	20529	20530	20531	7087	8087
23	20540	20541	20542	20543	20544	20545	20546	20547	20548	20549	20550	20551	7088	8088
24	20560	20561	20562	20563	20564	20565	20566	20567	20568	20569	20570	20571	7089	8089
25	20580	20581	20582	20583	20584	20585	20586	20587	20588	20589	20590	20591	7090	8090
26	20600	20601	20602	20603	20604	20605	20606	20607	20608	20609	20610	20611	7091	8091
27	20620	20621	20622	20623	20624	20625	20626	20627	20628	20629	20630	20631	7092	8092
28	20640	20641	20642	20643	20644	20645	20646	20647	20648	20649	20650	20651	7093	8093
29	20660	20661	20662	20663	20664	20665	20666	20667	20668	20669	20670	20671	7094	8094
30	20680	20681	20682	20683	20684	20685	20686	20687	20688	20689	20690	20691	7095	8095
31	20700	20701	20702	20703	20704	20705	20706	20707	20708	20709	20710	20711	7096	8096
32	20720	20721	20722	20723	20724	20725	20726	20727	20728	20729	20730	20731	7097	8097
33	20740	20741	20742	20743	20744	20745	20746	20747	20748	20749	20750	20751	7098	8098
34	20760	20761	20762	20763	20764	20765	20766	20767	20768	20769	20770	20771	7099	8099
35	20780	20781	20782	20783	20784	20785	20786	20787	20788	20789	20790	20791	7100	8100
36	20800	20801	20802	20803	20804	20805	20806	20807	20808	20809	20810	20811	7101	8101
37	20820	20821	20822	20823	20824	20825	20826	20827	20828	20829	20830	20831	7102	8102
38	20840	20841	20842	20843	20844	20845	20846	20847	20848	20849	20850	20851	7103	8103
39	20860	20861	20862	20863	20864	20865	20866	20867	20868	20869	20870	20871	7104	8104
40	20880	20881	20882	20883	20884	20885	20886	20887	20888	20889	20890	20891	7105	8105
41	20900	20901	20902	20903	20904	20905	20906	20907	20908	20909	20910	20911	7106	8106
42	20920	20921	20922	20923	20924	20925	20926	20927	20928	20929	20930	20931	7107	8107
43	20940	20941	20942	20943	20944	20945	20946	20947	20948	20949	20950	20951	7108	8108
44	20960	20961	20962	20963	20964	20965	20966	20967	20968	20969	20970	20971	7109	8109
45	20980	20981	20982	20983	20984	20985	20986	20987	20988	20989	20990	20991	7110	8110
46	21000	21001	21002	21003	21004	21005	21006	21007	21008	21009	21010	21011	7111	8111
47	21020	21021	21022	21023	21024	21025	21026	21027	21028	21029	21030	21031	7112	8112
48	21040	21041	21042	21043	21044	21045	21046	21047	21048	21049	21050	21051	7113	8113
49	21060	21061	21062	21063	21064	21065	21066	21067	21068	21069	21070	21071	7114	8114
50	21080	21081	21082	21083	21084	21085	21086	21087	21088	21089	21090	21091	7115	8115

## GPS Fuel counter

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11900</b>	Double	0	0	50	L/100km	City consumption
<b>11901</b>	Double	0	0	50	L/100km	Highway consumption
<b>11902</b>	Double	0	0	50	L/100km	Average consumption
<b>11903</b>	Uint8	30	0	250	km/h	City speed
<b>11904</b>	Uint8	90	0	250	km/h	Highway speed
<b>11905</b>	Uint8	60	0	250	km/h	Average speed
<b>11906</b>	Double	1	0.01	2	Coefficient	Correction coefficient
<b>11907</b>	Double	1	0	5	L/h	Fuel consumption on idling
<b>11908</b>	Uint8	20	0	250	%	Higher speeds add
<b>11909</b>	Uint8	50	0	100	Value	Highway consumption every km/h

## Accelerometer features

### Unplug Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>11500</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario setting
<b>11501</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11502</b>	Uint8	1	0	1	0 - Simple 1 - Advanced	Detection mode
<b>7036</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8036</b>	String	"Unplug"	0	160	Text	Sms text

## Towing Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11600</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Priority
<b>11601</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records
<b>11602</b>	Uint16	5	0	65535	Minutes	Activation timeout
<b>11603</b>	Uint8	0	0	60	Seconds	Event timeout
<b>11604</b>	Uint8	0	0	10	Phone number	Make call to
<b>11605</b>	Double	0.22	0.1	5	mG	Threshold
<b>11606</b>	Double	1	0.1	5	Degrees	Angle
<b>11607</b>	Uint16	1000	1	5000	Milliseconds	Duration
<b>7035</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8035</b>	String	"Towing"	0	160	Text	Sms text

## Crash Detection

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11400</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario setting
<b>11401</b>	Uint8	5	0	1000	Milliseconds	Duration
<b>11402</b>	Uint16	1500	0	7900	mG	Threshold
<b>11406</b>	Int8	0	0	1	0 - Disable 1 - Enable	Crash trace
<b>7037</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8037</b>	String	"Crash"	0	160	Text	Sms text

## Excessive Idling

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>11200</b>	Uint8	0	0	3	0 - Disable 1 - Low priority 2 - High priority 3 - Panic priority	Scenario settings
<b>11203</b>	Uint8	1	0	1	0 - Disable 1 - Enable	Eventual records

<b>11205</b>	Uint8	5	0	3600	Seconds	Time to stoped
<b>11206</b>	Uint8	2	0	3600	Seconds	Time to moving
<b>11204</b>	Uint8	0	0	2 (1 for FMB125)	0 - None 1 - DOUT 1 2 - DOUT 2	Output control
<b>11201</b>	Int32	200	0	2147483647	Milliseconds	DOUT ON duration
<b>11202</b>	Int32	200	0	2147483647	Milliseconds	DOUT OFF duration
<b>7033</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8033</b>	String	"Idling Event"	0	160	Text	Sms text

## Bluetooth

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>800</b>	Uint8	0	0	2	0 - Disable 1 - Enable hidden 2 - Enable visible	Scenario settings
<b>801</b>	String	"FMB1YX_(last 7 IMEI numbers)"	0	30	ID	Local name
<b>802</b>	String	"5555"	0	4	PIN	Local PIN
<b>803</b>	Uint8	0	0	3	0 - PIN only 1 - PIN and MAC 2 - MAC only 3 - None	Security mode
<b>804</b>	String	0	0	12	MAC	External MAC
<b>805</b>	String	0	0	30	ID	External name
<b>806</b>	String	0	0	8	PIN	External PIN
<b>807</b>	Uint8	0	0	3	0 - None 1 - Hands free 2 - OBDII 3 - Data link	Security mode
<b>830-834</b>	String	-	0	12	MAC list	Authorized devices MAC list

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1100</b>	Uint16	120	120	65535	Seconds	TZ-BT04/05/05B Update frequency
<b>1110</b>	Uint8	4	0	6	0 - 1 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7	BT Power Level
<b>1111</b>	Uint8	0	0	4	ID	BLE broadcasting service ID

## BLE functionalities Connection #1

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1200</b>	Uint8	0	0	2	0 - Disabled 1 - TZ-BT04/05/05B sensor 2 - Efento sensor	Working mode

<b>1201</b>	Uint8	0	0	8	ID	TZ-BT04/05/05B sensor ID
<b>1202</b>	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #2

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1250</b>	Uint8	0	0	2	0 - Disabled	Working mode
					1 - TZ-BT04/05/05B sensor	
					2 - Efento sensor	
<b>1251</b>	Uint8	0	0	8	ID	TZ-BT04/05/05B sensor ID
<b>1252</b>	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #3

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1300</b>	Uint8	0	0	2	0 - Disabled	Working mode
					1 - TZ-BT04/05/05B sensor	
					2 - Efento sensor	
<b>1301</b>	Uint8	0	0	8	ID	TZ-BT04/05/05B sensor ID
<b>1302</b>	String	0	0	12	MAC	Efento sensor MAC

## BLE functionalities Connection #4

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>1350</b>	Uint8	0	0	2	0 - Disabled	Working mode
					1 - TZ-BT04/05/05B sensor	
					2 - Efento sensor	
<b>1351</b>	Uint8	-	0	8	ID	TZ-BT04/05/05B sensor ID
<b>1352</b>	String	0	0	12	MAC	Efento sensor MAC

## Tracking on Demand

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
<b>10990</b>	Uint8	10	5	60	Tracking period
<b>10991</b>	Uint16	600	300	3600	Tracking duration

## iButton List

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>30000-33999</b>	Uint64	0	0	0xFFFFFFFF	ID	iButton ID list

# I/O parameters

Parameter ID	Parameter Type	Default value	Value range		Parameter name
			Min	Max	
50000	Uint8	1	0	3	Ignition <a href="#">Priority</a>
50001	Uint8	5	0	6	Ignition <a href="#">Operand</a>
50002	Uint8	0	0	1	Ignition High level
50003	Uint8	0	0	1	Ignition Low level
50004	Uint8	0	0	1	Ignition <a href="#">Event only</a>
50005	Uint16	10	0	65535	Ignition Average
7000	Uint8	0	0	10	Send SMS
8000	String	0	0	160	SMS Text
50010	Uint8	1	0	3	Movement <a href="#">Priority</a>
50011	Uint8	5	0	6	Movement <a href="#">Operand</a>
50012	Uint8	0	0	1	Movement High level
50013	Uint8	0	0	1	Movement Low level
50014	Uint8	0	0	1	Movement <a href="#">Event only</a>
50015	Uint16	1	0	65535	Movement Average
7001	Uint8	0	0	10	Send SMS
8001	String	0	0	160	SMS Text
50020	Uint8	1	0	3	Data Mode <a href="#">Priority</a>
50021	Uint8	3	0	6	Data Mode Operand
50022	Uint8	0	0	5	Data Mode High level
50023	Uint8	0	0	5	Data Mode Low level
50024	Uint8	0	0	1	Data Mode <a href="#">Event only</a>
7002	Uint8	0	0	10	Send SMS
8002	String	0	0	160	SMS Text
50030	Uint8	1	0	3	GSM Signal <a href="#">Priority</a>
50031	Uint8	3	0	6	GSM Signal <a href="#">Operand</a>
50032	Uint8	0	0	5	GSM Signal High level
50033	Uint8	0	0	5	GSM Signal Low level
50034	Uint8	0	0	1	GSM Signal <a href="#">Event only</a>
50035	Uint16	1	0	65535	GSM Signal Average
7003	Uint8	0	0	10	Send SMS
8003	String	0	0	160	SMS Text
50040	Uint8	1	0	3	Deep Sleep <a href="#">Priority</a>
50041	Uint8	3	0	6	Deep Sleep <a href="#">Operand</a>
50042	Uint8	0	0	2	Deep Sleep High level
50043	Uint8	0	0	2	Deep Sleep Low level
50044	Uint8	0	0	1	Deep Sleep <a href="#">Event only</a>
7004	Uint8	0	0	10	Send SMS
8004	String	0	0	160	SMS Text
50050	Uint8	1	0	3	GNSS Status <a href="#">Priority</a>
50051	Uint8	3	0	6	GNSS Status <a href="#">Operand</a>
50052	Uint8	0	0	5	GNSS Status High level
50053	Uint8	0	0	5	GNSS Status Low level
50053	Uint8	0	0	1	GNSS Status <a href="#">Event only</a>
7005	Uint8	0	0	10	Send SMS
8005	String	0	0	160	SMS Text
50060	Uint8	0	0	3	GNSS PDOP <a href="#">Priority</a>
5061	Uint8	3	0	6	GNSS PDOP <a href="#">Operand</a>
5062	Uint16	0	0	1000	GNSS PDOP High level
5063	Uint16	0	0	1000	GNSS PDOP Low level
5064	Uint8	0	0	1	GNSS PDOP <a href="#">Event only</a>
5065	Uint16	10	0	65535	GNSS PDOP Average
7006	Uint8	0	0	10	Send SMS
8006	String	0	0	160	SMS Text
50070	Uint8	1	0	3	GNSS HDOP <a href="#">Priority</a>

<b>50071</b>	Uint8	3	0	6	GNSS HDOP <a href="#">Operand</a>
<b>50072</b>	Uint16	0	0	1000	GNSS HDOP High level
<b>50073</b>	Uint16	0	0	1000	GNSS HDOP Low level
<b>50074</b>	Uint8	0	0	1	GNSS HDOP <a href="#">Event only</a>
<b>50075</b>	Uint16	10	0	65535	GNSS HDOP Average
<b>7007</b>	Uint8	0	0	10	Send SMS
<b>8007</b>	String	0	0	160	SMS Text
<b>50080</b>	Uint8	1	0	3	External Voltage <a href="#">Priority</a>
<b>50081</b>	Uint8	6	0	6	External Voltage <a href="#">Operand</a>
<b>50082</b>	Uint16	1000	0	60000	External Voltage High level
<b>50083</b>	Uint16	0	0	60000	External Voltage Low level
<b>50084</b>	Uint8	0	0	1	External Voltage <a href="#">Event only</a>
<b>50085</b>	Uint16	10	0	65535	External Voltage Average
<b>7008</b>	Uint8	0	0	10	Send SMS
<b>8008</b>	String	0	0	160	SMS Text
<b>50090</b>	Uint8	1	0	3	Speed <a href="#">Priority</a>
<b>50091</b>	Uint8	3	0	6	Speed <a href="#">Operand</a>
<b>50092</b>	Uint16	0	0	300	Speed High level
<b>50093</b>	Uint16	0	0	300	Speed Low level
<b>50094</b>	Uint8	0	0	1	Speed <a href="#">Event only</a>
<b>50095</b>	Uint16	1	0	65535	Speed Average
<b>7009</b>	Uint8	0	0	10	Send SMS
<b>8009</b>	String	0	0	160	SMS Text
<b>50100</b>	Uint8	0	0	3	GSM Cell ID <a href="#">Priority</a>
<b>50101</b>	Uint8	3	0	6	GSM Cell ID <a href="#">Operand</a>
<b>50102</b>	Uint32	0	0	999999	GSM Cell ID High level
<b>50103</b>	Uint32	0	0	999999	GSM Cell ID Low level
<b>50104</b>	Uint8	0	0	1	GSM Cell ID <a href="#">Event only</a>
<b>7010</b>	Uint8	0	0	10	Send SMS
<b>8010</b>	String	0	0	160	SMS Text
<b>50110</b>	Uint8	0	0	3	GSM Area Code <a href="#">Priority</a>
<b>50111</b>	Uint8	3	0	6	GSM Area Code <a href="#">Operand</a>
<b>50112</b>	Uint32	0	0	999999	GSM Area Code High level
<b>50113</b>	Uint32	0	0	999999	GSM Area Code Low level
<b>50114</b>	Uint8	0	0	1	GSM Area Code <a href="#">Event only</a>
<b>7011</b>	Uint8	0	0	10	Send SMS
<b>8011</b>	String	0	0	160	SMS Text
<b>50120</b>	Uint8	1	0	3	Battery Voltage <a href="#">Priority</a>
<b>50121</b>	Uint8	3	0	6	Battery Voltage <a href="#">Operand</a>
<b>50122</b>	Uint16	0	0	5000	Battery Voltage High level
<b>50123</b>	Uint16	0	0	5000	Battery Voltage Low level
<b>50124</b>	Uint8	0	0	1	Battery Voltage <a href="#">Event only</a>
<b>50125</b>	Uint8	0	0	10	Battery Voltage Average
<b>7012</b>	Uint8	0	0	10	Send SMS
<b>8012</b>	String	0	0	160	SMS Text
<b>50130</b>	Uint8	1	0	3	Battery Current <a href="#">Priority</a>
<b>50131</b>	Uint8	3	0	6	Battery Current <a href="#">Operand</a>
<b>50132</b>	Uint16	0	0	5000	Battery Current High level
<b>50133</b>	Uint16	0	0	5000	Battery Current Low level
<b>50134</b>	Uint8	0	0	1	Battery Current <a href="#">Event only</a>
<b>50135</b>	Uint8	0	0	10	Battery Current Average
<b>7013</b>	Uint8	0	0	10	Send SMS
<b>8013</b>	String	0	0	160	SMS Text
<b>50140</b>	Uint8	0	0	3	Active GSM Operator <a href="#">Priority</a>
<b>50141</b>	Uint8	3	0	6	Active GSM Operator <a href="#">Operand</a>
<b>50142</b>	Uint32	0	0	999999	Active GSM Operator High level
<b>50143</b>	Uint32	0	0	999999	Active GSM Operator Low level
<b>50144</b>	Uint8	0	0	1	Active GSM Operator <a href="#">Event only</a>
<b>7014</b>	Uint8	0	0	10	Send SMS

<b>8014</b>	String	0	0	160	SMS Text
<b>50150</b>	Uint8	0	0	3	Trip Odometer <a href="#">Priority</a>
<b>50151</b>	Uint8	3	0	6	Trip Odometer <a href="#">Operand</a>
<b>50152</b>	Uint32	0	0	1000000	Trip Odometer High level
<b>50153</b>	Uint32	0	0	1000000	Trip Odometer Low level
<b>50154</b>	Uint8	0	0	1	Trip Odometer <a href="#">Event only</a>
<b>7015</b>	Uint8	0	0	10	Send SMS
<b>8015</b>	String	0	0	160	SMS Text
<b>50160</b>	Uint8	0	0	3	Total Odometer <a href="#">Priority</a>
<b>50161</b>	Uint8	3	0	6	Total Odometer <a href="#">Operand</a>
<b>50162</b>	Uint32	0	0	10000000	Total Odometer High level
<b>50163</b>	Uint32	0	0	10000000	Total Odometer Low level
<b>50164</b>	Uint8	0	0	1	Total Odometer <a href="#">Event only</a>
<b>7016</b>	Uint8	0	0	10	Send SMS
<b>8016</b>	String	0	0	160	SMS Text
<b>50170</b>	Uint8	0	0	3	Digital Input 1 <a href="#">Priority</a>
<b>50171</b>	Uint8	3	0	6	Digital Input 1 <a href="#">Operand</a>
<b>50172</b>	Uint8	0	0	1	Digital Input 1 High level
<b>50173</b>	Uint8	0	0	1	Digital Input 1 Low level
<b>50174</b>	Uint8	0	0	1	Digital Input 1 <a href="#">Event only</a>
<b>50175</b>	Uint16	1	0	65535	Digital Input 1 Average
<b>7017</b>	Uint8	0	0	10	Send SMS
<b>8017</b>	String	0	0	160	SMS Text
<b>50180</b>	Uint8	0	0	3	Analog Input 1 <a href="#">Priority</a>
<b>50181</b>	Uint8	3	0	6	Analog Input 1 <a href="#">Operand</a>
<b>50182</b>	Uint16	0	0	30000	Analog Input 1 High level
<b>50183</b>	Uint16	0	0	30000	Analog Input 1 Low level
<b>50184</b>	Uint8	0	0	1	Analog Input 1 <a href="#">Event only</a>
<b>50185</b>	Uint16	10	0	65535	Analog Input 1 Average
<b>7018</b>	Uint8	0	0	10	Send SMS
<b>8018</b>	String	0	0	160	SMS Text
<b>50190</b>	Uint8	0	0	3	Digital Output 1 <a href="#">Priority</a>
<b>50191</b>	Uint8	0	0	6	Digital Output 1 <a href="#">Operand</a>
<b>50192</b>	Uint8	0	0	1	Digital Output 1 High level
<b>50193</b>	Uint8	0	0	1	Digital Output 1 Low level
<b>50194</b>	Uint8	0	0	1	Digital Output 1 <a href="#">Event only</a>
<b>50195</b>	Uint16	1	0	65535	Digital Output 1 Average
<b>7019</b>	Uint8	0	0	10	Send SMS
<b>8019</b>	String	0	0	160	SMS Text
<b>50200</b>	Uint8	0	0	3	Fuel Used GPS <a href="#">Priority</a>
<b>50201</b>	Uint8	3	0	6	Fuel Used GPS <a href="#">Operand</a>
<b>50202</b>	Uint32	0	0	1000000	Fuel Used GPS High level
<b>50203</b>	Uint32	0	0	1000000	Fuel Used GPS Low level
<b>50204</b>	Uint8	0	0	1	Fuel Used GPS <a href="#">Event only</a>
<b>50205</b>	Uint16	1	0	65535	Fuel Used GPS Average
<b>7020</b>	Uint8	0	0	10	Send SMS
<b>8020</b>	String	0	0	160	SMS Text
<b>50210</b>	Uint8	0	0	3	Fuel Rate GPS <a href="#">Priority</a>
<b>50211</b>	Uint8	3	0	6	Fuel Rate GPS <a href="#">Operand</a>
<b>50212</b>	Uint32	0	0	1000000	Fuel Rate GPS High level
<b>50213</b>	Uint32	0	0	1000000	Fuel Rate GPS Low level
<b>50214</b>	Uint8	0	0	1	Fuel Rate GPS <a href="#">Event only</a>
<b>50215</b>	Uint16	1	0	65535	Fuel Rate GPS Average
<b>7021</b>	Uint8	0	0	10	Send SMS
<b>8021</b>	String	0	0	160	SMS Text
<b>50220</b>	Uint8	0	0	3	Axis X <a href="#">Priority</a>
<b>50221</b>	Uint8	3	0	6	Axis X <a href="#">Operand</a>
<b>50222</b>	Uint16	0	-8000	8000	Axis X High level
<b>50223</b>	Uint16	0	-8000	8000	Axis X Low level

<b>50224</b>	Uint8	0	0	1	Axis X <a href="#">Event only</a>
<b>50225</b>	Uint16	1	0	65535	Axis X Average
<b>7022</b>	Uint8	0	0	10	Send SMS
<b>8022</b>	String	0	0	160	SMS Text
<b>50230</b>	Uint8	0	0	3	Axis Y <a href="#">Priority</a>
<b>50231</b>	Uint8	3	0	6	Axis Y <a href="#">Operand</a>
<b>50232</b>	Uint16	0	-8000	8000	Axis Y High level
<b>50233</b>	Uint16	0	-8000	8000	Axis Y Low level
<b>50234</b>	Uint8	0	0	1	Axis Y <a href="#">Event only</a>
<b>50235</b>	Uint16	1	0	65535	Axis Y Average
<b>7023</b>	Uint8	0	0	10	Send SMS
<b>8023</b>	String	0	0	160	SMS Text
<b>50240</b>	Uint8	0	0	3	Axis Z <a href="#">Priority</a>
<b>50241</b>	Uint8	3	0	6	Axis Z <a href="#">Operand</a>
<b>50242</b>	Uint16	0	-8000	8000	Axis Z High level
<b>50243</b>	Uint16	0	-8000	8000	Axis Z Low level
<b>50244</b>	Uint8	0	0	1	Axis Z <a href="#">Event only</a>
<b>50245</b>	Uint16	1	0	65535	Axis Z Average
<b>7024</b>	Uint8	0	0	10	Send SMS
<b>8024</b>	String	0	0	160	SMS Text
<b>50250</b>	Uint8	0	0	3	ICCID <a href="#">Priority</a>
<b>50251</b>	Uint8	3	0	6	ICCID <a href="#">Operand</a>
<b>50254</b>	Uint8	0	0	1	ICCID <a href="#">Event only</a>
<b>7069</b>	Uint8	0	0	10	Send SMS
<b>8069</b>	String	0	0	160	SMS Text
<b>50260</b>	Uint8	0	0	3	SD Status <a href="#">Priority</a>
<b>50261</b>	Uint8	3	0	6	SD Status <a href="#">Operand</a>
<b>50262</b>	Uint8	0	0	1	SD Status High level
<b>50263</b>	Uint8	0	0	1	SD Status Low level
<b>7070</b>	Uint8	0	0	10	Send SMS
<b>8070</b>	String	0	0	160	SMS Text
<b>50270</b>	Uint8	0	0	3	Digital Input 2 <a href="#">Priority</a>
<b>50271</b>	Uint8	3	0	6	Digital Input 2 <a href="#">Operand</a>
<b>50272</b>	Uint8	0	0	1	Digital Input 2 High level
<b>50273</b>	Uint8	0	0	1	Digital Input 2 Low level
<b>50274</b>	Uint8	0	0	1	Digital Input 2 <a href="#">Event only</a>
<b>50275</b>	Uint16	0	0	65535	Digital Input 2 Average
<b>7116</b>	Uint8	0	0	10	Send SMS
<b>8116</b>	String	0	0	160	SMS Text
<b>50280</b>	Uint8	0	0	3	Digital Input 3 <a href="#">Priority</a>
<b>50281</b>	Uint8	3	0	6	Digital Input 3 <a href="#">Operand</a>
<b>50282</b>	Uint8	0	0	1	Digital Input 3 High level
<b>50283</b>	Uint8	0	0	1	Digital Input 3 Low level
<b>50284</b>	Uint8	0	0	1	Digital Input 3 <a href="#">Event only</a>
<b>50285</b>	Uint16	0	0	65535	Digital Input 3 Average
<b>7117</b>	Uint8	0	0	10	Send SMS
<b>8117</b>	String	0	0	160	SMS Text
<b>50290</b>	Uint8	0	0	3	Analog Input 2 <a href="#">Priority</a>
<b>50291</b>	Uint8	3	0	6	Analog Input 2 <a href="#">Operand</a>
<b>50292</b>	Uint16	0	0	30000	Analog Input 2 High level
<b>50293</b>	Uint16	0	0	30000	Analog Input 2 Low level
<b>50294</b>	Uint8	0	0	1	Analog Input 2 <a href="#">Event only</a>
<b>50295</b>	Uint16	0	0	65535	Analog Input 2 Average
<b>7117</b>	Uint8	0	0	10	Send SMS
<b>8117</b>	String	0	0	160	SMS Text
<b>50300</b>	Uint8	0	0	3	Digital Output 2 <a href="#">Priority</a>
<b>50301</b>	Uint8	3	0	6	Digital Output 2 <a href="#">Operand</a>
<b>50302</b>	Uint8	0	0	1	Digital Output 2 Hight level
<b>50303</b>	Uint8	0	0	1	Digital Output 2 Low level

<b>50304</b>	Uint8	0	0	1	Digital Output 2 <a href="#">Event only</a>
<b>50305</b>	Uint16	1	0	65535	Digital Output 2 Average
<b>7119</b>	Uint8	0	0	10	Send SMS
<b>8119</b>	String	0	0	160	SMS Text
<b>50310</b>	Uint8	0	0	3	Dallas Temperature 1 <a href="#">Priority</a>
<b>50311</b>	Uint8	3	0	6	Dallas Temperature 1 <a href="#">Operand</a>
<b>50312</b>	Int8	0	-55	125	Dallas Temperature 1 High level
<b>50313</b>	Int8	0	-55	125	Dallas Temperature 1 Low level
<b>50314</b>	Uint8	0	0	1	Dallas Temperature 1 <a href="#">Event only</a>
<b>50315</b>	Uint16	0	0	65535	Dallas Temperature 1 Average
<b>7120</b>	Uint8	0	0	10	Send SMS
<b>8120</b>	String	0	0	160	SMS Text
<b>50320</b>	Uint8	0	0	3	Dallas Temperature 2 <a href="#">Priority</a>
<b>50321</b>	Uint8	3	0	6	Dallas Temperature 2 <a href="#">Operand</a>
<b>50322</b>	Int8	0	-55	125	Dallas Temperature 2 High level
<b>50323</b>	Int8	0	-55	125	Dallas Temperature 2 Low level
<b>50324</b>	Uint8	0	0	1	Dallas Temperature 2 <a href="#">Event only</a>
<b>50325</b>	Uint16	0	0	65535	Dallas Temperature 2 Average
<b>7121</b>	Uint8	0	0	10	Send SMS
<b>8121</b>	String	0	0	160	SMS Text
<b>50330</b>	Uint8	0	0	3	Dallas Temperature 3 <a href="#">Priority</a>
<b>50331</b>	Uint8	3	0	6	Dallas Temperature 3 <a href="#">Operand</a>
<b>50332</b>	Int8	0	-55	125	Dallas Temperature 3 High level
<b>50333</b>	Int8	0	-55	125	Dallas Temperature 3 Low level
<b>50334</b>	Uint8	0	0	1	Dallas Temperature 3 <a href="#">Event only</a>
<b>50335</b>	Uint16	0	0	65535	Dallas Temperature 3 Average
<b>7122</b>	Uint8	0	0	10	Send SMS
<b>8122</b>	String	0	0	160	SMS Text
<b>50340</b>	Uint8	0	0	3	Dallas Temperature 4 <a href="#">Priority</a>
<b>50341</b>	Uint8	3	0	6	Dallas Temperature 4 <a href="#">Operand</a>
<b>50342</b>	Int8	0	-55	125	Dallas Temperature 4 High level
<b>50343</b>	Int8	0	-55	125	Dallas Temperature 4 Low level
<b>50344</b>	Uint8	0	0	1	Dallas Temperature 4 <a href="#">Event only</a>
<b>50345</b>	Uint16	0	0	65535	Dallas Temperature 4 Average
<b>7123</b>	Uint8	0	0	10	Send SMS
<b>8123</b>	String	0	0	160	SMS Text
<b>50350</b>	Uint8	0	0	3	Dallas Temperature ID 1 <a href="#">Priority</a>
<b>50351</b>	Uint8	3	0	6	Dallas Temperature ID 1 <a href="#">Operand</a>
<b>50352</b>	Uint32	0	0	999999999	Dallas Temperature ID 1 High level
<b>50353</b>	Uint32	0	0	999999999	Dallas Temperature ID 1 Low level
<b>50354</b>	Uint8	0	0	1	Dallas Temperature ID 1 <a href="#">Event only</a>
<b>50355</b>	Uint16	0	0	65535	Dallas Temperature ID 1 Average
<b>7124</b>	Uint8	0	0	10	Send SMS
<b>8124</b>	String	0	0	160	SMS Text
<b>50360</b>	Uint8	0	0	3	Dallas Temperature ID 2 <a href="#">Priority</a>
<b>50361</b>	Uint8	3	0	6	Dallas Temperature ID 2 <a href="#">Operand</a>
<b>50362</b>	Uint32	0	0	999999999	Dallas Temperature ID 2 High level
<b>50363</b>	Uint32	0	0	999999999	Dallas Temperature ID 2 Low level
<b>50364</b>	Uint8	0	0	1	Dallas Temperature ID 2 <a href="#">Event only</a>
<b>50365</b>	Uint16	0	0	65535	Dallas Temperature ID 2 Average
<b>7125</b>	Uint8	0	0	10	Send SMS
<b>8125</b>	String	0	0	160	SMS Text
<b>50370</b>	Uint8	0	0	3	Dallas Temperature ID 3 <a href="#">Priority</a>
<b>50371</b>	Uint8	3	0	6	Dallas Temperature ID 3 <a href="#">Operand</a>
<b>50372</b>	Uint32	0	0	999999999	Dallas Temperature ID 3 High level
<b>50373</b>	Uint32	0	0	999999999	Dallas Temperature ID 3 Low level
<b>50374</b>	Uint8	0	0	1	Dallas Temperature ID 3 <a href="#">Event only</a>
<b>50375</b>	Uint16	0	0	65535	Dallas Temperature ID 3 Average
<b>7126</b>	Uint8	0	0	10	Send SMS

<b>8126</b>	String	0	0	160	SMS Text
<b>50380</b>	Uint8	0	0	3	Dallas Temperature ID 4 <a href="#">Priority</a>
<b>50381</b>	Uint8	3	0	6	Dallas Temperature ID 4 <a href="#">Operand</a>
<b>50382</b>	Uint32	0	0	999999999	Dallas Temperature ID 4 High level
<b>50383</b>	Uint32	0	0	999999999	Dallas Temperature ID 4 Low level
<b>50384</b>	Uint8	0	0	1	Dallas Temperature ID 4 <a href="#">Event only</a>
<b>50385</b>	Uint16	0	0	65535	Dallas Temperature ID 4 Average
<b>7127</b>	Uint8	0	0	10	Send SMS
<b>8127</b>	String	0	0	160	SMS Text
<b>50390</b>	Uint8	0	0	3	iButton <a href="#">Priority</a>
<b>50391</b>	Uint8	3	0	6	iButton <a href="#">Operand</a>
<b>50392</b>	Uint32	0	0	999999999	iButton High level
<b>50393</b>	Uint32	0	0	999999999	iButton Low level
<b>50394</b>	Uint8	0	0	1	iButton <a href="#">Event only</a>
<b>50395</b>	Uint16	0	0	65535	iButton Average
<b>7128</b>	Uint8	0	0	10	Send SMS
<b>8128</b>	String	0	0	160	SMS Text
<b>50400</b>	Uint8	0	0	3	RFID <a href="#">Priority</a>
<b>50401</b>	Uint8	3	0	6	RFID <a href="#">Operand</a>
<b>50402</b>	Uint8	0	0	999999999	RFID High level
<b>50403</b>	Uint8	0	0	999999999	RFID Low level
<b>50404</b>	Uint8	0	0	1	RFID <a href="#">Event only</a>
<b>50405</b>	Uint16	1	0	65535	RFID Average
<b>7129</b>	Uint8	0	0	10	Send SMS
<b>8129</b>	String	0	0	160	SMS Text
<b>50410</b>	Uint8	0	0	3	LLS1 Fuel Level <a href="#">Priority</a>
<b>50411</b>	Uint8	3	0	6	LLS1 Fuel Level <a href="#">Operand</a>
<b>50412</b>	Uint8	0	0	65535	LLS1 Fuel Level High level
<b>50413</b>	Uint8	0	0	65535	LLS1 Fuel Level Low level
<b>50414</b>	Uint8	0	0	1	LLS1 Fuel Level <a href="#">Event only</a>
<b>50415</b>	Uint16	1	0	65535	LLS1 Fuel Level Average
<b>7130</b>	Uint8	0	0	10	Send SMS
<b>8130</b>	String	0	0	160	SMS Text
<b>50420</b>	Uint8	0	0	3	LLS2 Fuel Level <a href="#">Priority</a>
<b>50421</b>	Uint8	3	0	6	LLS2 Fuel Level <a href="#">Operand</a>
<b>50422</b>	Uint8	0	0	65535	LLS2 Fuel Level High level
<b>50423</b>	Uint8	0	0	65535	LLS2 Fuel Level Low level
<b>50424</b>	Uint8	0	0	1	LLS2 Fuel Level <a href="#">Event only</a>
<b>50425</b>	Uint16	1	0	65535	LLS2 Fuel Level Average
<b>7131</b>	Uint8	0	0	10	Send SMS
<b>8131</b>	String	0	0	160	SMS Text
<b>50430</b>	Uint8	0	0	3	LLS3 Fuel Level <a href="#">Priority</a>
<b>50431</b>	Uint8	3	0	6	LLS3 Fuel Level <a href="#">Operand</a>
<b>50432</b>	Uint8	0	0	65535	LLS3 Fuel Level High level
<b>50433</b>	Uint8	0	0	65535	LLS3 Fuel Level Low level
<b>50434</b>	Uint8	0	0	1	LLS3 Fuel Level <a href="#">Event only</a>
<b>50435</b>	Uint16	1	0	65535	LLS3 Fuel Level Average
<b>7132</b>	Uint8	0	0	10	Send SMS
<b>8132</b>	String	0	0	160	SMS Text
<b>50440</b>	Uint8	0	0	3	LLS4 Fuel Level <a href="#">Priority</a>
<b>50441</b>	Uint8	3	0	6	LLS4 Fuel Level <a href="#">Operand</a>
<b>50442</b>	Uint8	0	0	65535	LLS4 Fuel Level High level
<b>50443</b>	Uint8	0	0	65535	LLS4 Fuel Level Low level
<b>50444</b>	Uint8	0	0	1	LLS4 Fuel Level <a href="#">Event only</a>
<b>50445</b>	Uint16	1	0	65535	LLS4 Fuel Level Average
<b>7133</b>	Uint8	0	0	10	Send SMS
<b>8133</b>	String	0	0	160	SMS Text
<b>50450</b>	Uint8	0	0	3	LLS5 Fuel Level <a href="#">Priority</a>
<b>50451</b>	Uint8	3	0	6	LLS5 Fuel Level <a href="#">Operand</a>

<b>50452</b>	Uint8	0	0	65535	LLS5 Fuel Level High level
<b>50453</b>	Uint8	0	0	65535	LLS5 Fuel Level Low level
<b>50454</b>	Uint8	0	0	1	LLS5 Fuel Level <a href="#">Event only</a>
<b>50455</b>	Uint16	1	0	65535	LLS5 Fuel Level Average
<b>7134</b>	Uint8	0	0	10	Send SMS
<b>8134</b>	String	0	0	160	SMS Text
<b>50460</b>	Uint8	0	0	3	LLS1 Temperature <a href="#">Priority</a>
<b>50461</b>	Uint8	3	0	6	LLS1 Temperature <a href="#">Operand</a>
<b>50462</b>	Uint8	0	-128	127	LLS1 Temperature High level
<b>50463</b>	Uint8	0	-128	127	LLS1 Temperature Low level
<b>50464</b>	Uint8	0	0	1	LLS1 Temperature <a href="#">Event only</a>
<b>50465</b>	Uint16	1	0	65535	LLS1 Temperature Average
<b>7135</b>	Uint8	0	0	10	Send SMS
<b>8135</b>	String	0	0	160	SMS Text
<b>50470</b>	Uint8	0	0	3	LLS2 Temperature <a href="#">Priority</a>
<b>50471</b>	Uint8	3	0	6	LLS2 Temperature <a href="#">Operand</a>
<b>50472</b>	Uint8	0	-128	127	LLS2 Temperature High level
<b>50473</b>	Uint8	0	-128	127	LLS2 Temperature Low level
<b>50474</b>	Uint8	0	0	1	LLS2 Temperature <a href="#">Event only</a>
<b>50475</b>	Uint16	1	0	65535	LLS2 Temperature Average
<b>7136</b>	Uint8	0	0	10	Send SMS
<b>8136</b>	String	0	0	160	SMS Text
<b>50480</b>	Uint8	0	0	3	LLS3 Temperature <a href="#">Priority</a>
<b>50481</b>	Uint8	3	0	6	LLS3 Temperature <a href="#">Operand</a>
<b>50482</b>	Uint8	0	-128	127	LLS3 Temperature High level
<b>50483</b>	Uint8	0	-128	127	LLS3 Temperature Low level
<b>50484</b>	Uint8	0	0	1	LLS3 Temperature <a href="#">Event only</a>
<b>50485</b>	Uint16	1	0	65535	LLS3 Temperature Average
<b>7137</b>	Uint8	0	0	10	Send SMS
<b>8137</b>	String	0	0	160	SMS Text
<b>50490</b>	Uint8	0	0	3	LLS4 Temperature <a href="#">Priority</a>
<b>50491</b>	Uint8	3	0	6	LLS4 Temperature <a href="#">Operand</a>
<b>50492</b>	Uint8	0	-128	127	LLS4 Temperature High level
<b>50493</b>	Uint8	0	-128	127	LLS4 Temperature Low level
<b>50494</b>	Uint8	0	0	1	LLS4 Temperature <a href="#">Event only</a>
<b>50495</b>	Uint16	1	0	65535	LLS4 Temperature Average
<b>7138</b>	Uint8	0	0	10	Send SMS
<b>8138</b>	String	0	0	160	SMS Text
<b>50500</b>	Uint8	0	0	3	LLS5 Temperature <a href="#">Priority</a>
<b>50501</b>	Uint8	3	0	6	LLS5 Temperature <a href="#">Operand</a>
<b>50502</b>	Uint8	0	-128	127	LLS5 Temperature High level
<b>50503</b>	Uint8	0	-128	127	LLS5 Temperature Low level
<b>50504</b>	Uint8	0	0	1	LLS5 Temperature <a href="#">Event only</a>
<b>50505</b>	Uint16	1	0	65535	LLS5 Temperature Average
<b>7139</b>	Uint8	0	0	10	Send SMS
<b>8139</b>	String	0	0	160	SMS Text
<b>50510</b>	Uint8	0	0	3	Eco Score <a href="#">Priority</a>
<b>50511</b>	Uint8	3	0	6	Eco Score <a href="#">Operand</a>
<b>50512</b>	Uint8	0	0	1	Eco Score High level
<b>50513</b>	Uint8	0	0	1	Eco Score Low level
<b>50514</b>	Uint8	0	0	1	Eco Score <a href="#">Event only</a>
<b>7220</b>	Uint8	0	0	10	Send SMS
<b>8220</b>	String	0	0	160	SMS Text
<b>50690</b>	Uint8	0	0	3	Battery level % <a href="#">Priority</a>
<b>50691</b>	Uint8	0	0	6	Battery level % <a href="#">Operand</a>
<b>50692</b>	Uint8	0	0	100	Battery level % High level
<b>50693</b>	Uint8	0	0	100	Battery level % Low level
<b>50694</b>	Uint8	0	0	1	Battery level % <a href="#">Event only</a>
<b>50695</b>	Uint16	1	0	65535	Battery level % Average

<b>7243</b>	Uint8	0	0	10	Send SMS
<b>8243</b>	String	0	0	160	SMS Text
<b>50720</b>	Uint8	0	0	3	BT Status <a href="#">Priority</a>
<b>50721</b>	Uint8	5	0	6	BT Status <a href="#">Operand</a>
<b>50722</b>	Uint8	0	0	4	BT Status High level
<b>50723</b>	Uint8	0	0	3	BT Status Low level
<b>50724</b>	Uint8	0	0	1	BT Status <a href="#">Event only</a>
<b>50725</b>	Uint16	1	0	65535	BT Status Average
<b>7250</b>	Uint8	0	0	10	Send SMS
<b>8250</b>	String	0	0	160	SMS Text

## Parameters

Parameter name	Value
<b>Priority</b>	0 - Disabled 1 - Low 2 - High 3 - Panic
<b>Operand</b>	0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - On Hysteresis 5 - On Change 6 - On Delta Change
<b>Event only</b>	0 - Disabled 1 - Enabled

## OBD II (Bluetooth)

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>40100</b>	Uint8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority
<b>40101</b>	Uint8	3	0	6	0 - On range exit 1 - On range entrance 2 - On both 3 - Monitoring 4 - Hysteresis 5 - On change 6 - On delta change	Operand
<b>40102</b>	Uint8	0	0	255	High value	High level
<b>40103</b>	Uint8	0	0	255	Low value	Low level
<b>40104</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Event only
<b>7038</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>8038</b>	String	"Number of DTC"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Name	Parameter						
	Priority	Low level	High level	Event only	Operand	Send SMS to	SMS text
Number Of DTC	40100	40103	40102	40104	40101	7038	8038
Engine Load	40110	40113	40112	40114	40111	7039	8039
Coolant Temperature	40120	40123	40122	40124	40121	7040	8040
Short Fuel Trim	40130	40133	40132	40134	40131	7041	8041
Fuel Pressure	40140	40143	40142	40144	40141	7042	8042
Intake Map	40150	40153	40152	40154	40151	7043	8043
Engine RPM	40160	40163	40162	40164	40161	7044	8044
Vehicle speed	40170	40173	40172	40174	40171	7045	8045
Timing advance	40180	40183	40182	40184	40181	7046	8046
Intake air temperature	40190	40193	40192	40194	40191	7047	8047
MAF	40200	40203	40202	40204	40201	7048	8048
Throttle position	40210	40213	40212	40214	40211	7049	8049
Run time since engine start	40220	40223	40222	40224	40221	7050	8050
Distance traveled MIL on	40230	40233	40232	40234	40231	7051	8051
Relative fuel rail pressure	40240	40243	40242	40244	40241	7052	8052
Direct fuel rail pressure	40250	40253	40252	40254	40251	7053	8053
Commanded EGR	40260	40263	40262	40264	40261	7054	8054
EGR error	40270	40273	40272	40274	40271	7055	8055
Fuel level	40280	40283	40282	40284	40281	7056	8056
Distance traveled since codes clear	40290	40293	40292	40294	40291	7057	8057
Barometric pressure	40300	40303	40302	40304	40301	7058	8058
Control module voltage	40310	40313	40312	40314	40311	7059	8059
Absolute load value	40320	40323	40322	40324	40321	7060	8060
Ambient air temperature	40330	40333	40332	40334	40331	7061	8061
Time run with MIL on	40340	40343	40342	40344	40341	7062	8062
Time since trouble codes cleared	40350	40353	40352	40354	40351	7063	8063
Fuel Type	40560	40563	40562	40564	40561	7633	8633
Absolute fuel rail pressure	40360	40363	40362	40364	40361	7064	8064
Hybrid battery pack remaining life	40370	40373	40372	40374	40371	7065	8065
Engine oil temperature	40380	40383	40382	40384	40381	7066	8066
Fuel injection timing	40390	40393	40392	40394	40391	7067	8067
Fuel Rate	40400	40403	40402	40404	40401	7068	8068
Command Equivalence Ratio	40460	40463	40462	40464	40461	7524	8524
Intake MAP (2 Bytes)	40470	40473	40472	40474	40471	7525	8525
Hybrid Vehicle System Voltage	40480	40483	40482	40484	40481	7526	8526
Hybrid Vehicle System Current	40490	40493	40492	40494	40491	7527	8527
Fault Codes	40420	-	-	40424	40421	7264	8264
VIN	40410	-	-	40414	40411	7241	8241
OEM Total Mileage	40430	40433	40432	40434	40431	7522	8522
OEM Fuel Level	40440	40443	40442	40444	40441	7529	8529
OEM Remaining Distance	40520	40523	40522	40524	40521	7628	8628
OEM Battery Charge State	40570	40573	40572	40574	40571	7634	8634
OEM Battery Charge Level	40580	40583	40582	40584	40581	7635	8635

## LVCAN

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
45000	Uint8	0	0	2	0 - Auto detect 1 - LV-CAN200 2 - ALL-CAN300	LVCAN Mode
45001	Uint8	0	0	1	0 - Disable 1 - Enable	Send data with 0, if ignition is off
45002	Uint16	0	0	999	Value	Program number
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
45100	Uint8	0	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	Priority

<b>45101</b>	Uint8	3	0	6	0 - On range exit 1 - On range entrance 2 - On both 3 - Monitoring 4 - Hysteresis 5 - On change 6 - On delta change	Operand
<b>45102</b>	Uint8	0	0	255	High value	High level
<b>45103</b>	Uint8	0	0	255	Low value	Low level
<b>45104</b>	Uint8	0	0	1	0 - Disable 1 - Enable	Event only
<b>45105</b>	Uint16	10	0	65535	Value	Averaging constant
<b>7141</b>	Uint8	0	0	10	Phone number	Send SMS to
<b>81411</b>	String	"LVC Vehicle speed"	0	160	Text	SMS text

Similarly to a group defined in the upper table:

Name	Parameter								
	Priority	Operand	High level	Low level	Event only	Avg const	Send SMS to	SMS text	
Vehicle Speed	45100	45101	45102	45103	45104	45105	7141	8141	
Acceleration Pedal Position (percent)	45110	45111	45112	45113	45114	45115	7142	8142	
Fuel Consumed (liters)	45120	45121	45122	45123	45124	45125	7143	8143	
Fuel Level (liters)	45130	45131	45132	45133	45134	45135	7144	8144	
Engine RPM	45140	45141	45142	45143	45144	45145	7145	8145	
Total Mileage	45150	45151	45152	45153	45154	45155	7146	8146	
Fuel Level (percent)	45160	45161	45162	45163	45164	45165	7147	8147	
Door Status	45170	45171	45172	45173	45174	45175	7148	8148	
Program Number	45180	45181	45182	45183	45184	45185	7149	8149	
Module ID	45190	45191	45192	45193	45194	45195	7150	8150	
Engine Worktime	45200	45201	45202	45203	45204	45205	7151	8151	
Engine Worktime (counted)	45210	45211	45212	45213	45214	45215	7152	8152	
Total Mileage (counted)	45220	45221	45222	45223	45224	45225	7153	8153	
Fuel Consumed (counted)	45230	45231	45232	45233	45234	45235	7154	8154	
Fuel Rate	45240	45241	45242	45243	45244	45245	7155	8155	
AdBlue Level (percent)	45250	45251	45252	45253	45254	45255	7156	8156	
AdBlue Level (liters)	45260	45261	45262	45263	45264	45265	7157	8157	
Engine Load (percent)	45270	45271	45272	45273	45274	45275	7158	8158	
Engine Temperature	45280	45281	45282	45283	45284	45285	7159	8159	
Axle 1 Load	45290	45291	45292	45293	45294	45295	7160	8160	
Axle 2 Load	45300	45301	45302	45303	45304	45305	7161	8161	
Axle 3 Load	45310	45311	45312	45313	45314	45315	7162	8162	
Axle 4 Load	45320	45321	45322	45323	45324	45325	7163	8163	
Axle 5 Load	45330	45331	45332	45333	45334	45335	7164	8164	
Control State Flags	45340	45341	45342	45343	45344	45345	7165	8165	
Agricultural Machinery Flags	45350	45351	45352	45353	45354	45355	7166	8166	
Harvesting Time	45360	45361	45362	45363	45364	45365	7167	8167	
Area of Harvest	45370	45371	45372	45373	45374	45375	7168	8168	
Mowing Efficiency	45380	45381	45382	45383	45384	45385	7169	8169	
Grain Mown Volume	45390	45391	45392	45393	45394	45395	7170	8170	
Grain Moisture	45400	45401	45402	45403	45404	45405	7171	8171	
Harvesting Drum RPM	45410	45411	45412	45413	45414	45415	7172	8172	
Gap Under Harvesting Drum	45420	45421	45422	45423	45424	45425	7173	8173	
Security State Flags	45430	45431	45432	45433	45434	45435	7174	8174	
Tachograph Total Vehicle Distance	45440	45441	45442	45443	45444	45445	7175	8175	
Trip Distance	45450	45451	45452	45453	45454	45455	7176	8176	
Tachograph Vehicle Speed	45460	45461	45462	45463	45464	45465	7177	8177	
Tachograph Driver Card Presence	45470	45471	45472	45473	45474	45475	7178	8178	
Driver 1 States	45480	45481	45482	45483	45484	45485	7179	8179	
Driver 2 States	45490	45491	45492	45493	45494	45495	7180	8180	
Driver 1 Continuous Driving Time	45500	45501	45502	45503	45504	45505	7181	8181	
Driver 2 Continuous Driving Time	45510	45511	45512	45513	45514	45515	7182	8182	
Driver 1 Cumulative Break Time	45520	45521	45522	45523	45524	45525	7183	8183	
Driver 2 Cumulative Break Time	45530	45531	45532	45533	45534	45535	7184	8184	
Driver 1 Selected Activity Duration	45540	45541	45542	45543	45544	45545	7185	8185	
Driver 2 Selected Activity Duration	45550	45551	45552	45553	45554	45555	7186	8186	
Driver 1 Cumulative Driving Time	45560	45561	45562	45563	45564	45565	7187	8187	
Driver 2 Cumulative Driving Time	45570	45571	45572	45573	45574	45575	7188	8188	
Driver 1 ID High	45580	45581	45582	45583	45584	45585	7189	8189	
Driver 1 ID Low	45590	45591	45592	45593	45594	45595	7190	8190	

Driver 2 ID High	45600	45601	45602	45603	45604	45605	7191	8191
Driver 2 ID Low	45610	45611	45612	45613	45614	45615	7192	8192
Battery Temperature	45620	45621	45622	45623	45624	45625	7193	8193
Battery Level	45630	45631	45632	45633	45634	45635	7194	8194
DTC Faults	45640	45641	45642	45643	45644	45645	7195	8195
Slope of Arm	45650	45651	45652	45653	45654	45655	7196	8196
Rotation of Arm	45660	45661	45662	45663	45664	45665	7197	8197
Eject of Arm	45670	45671	45672	45673	45674	45675	7198	8198
Horizontal Distance Arm Vehicle	45680	45681	45682	45683	45684	45685	7199	8199
Height Arm Above Ground	45690	45691	45692	45693	45694	45695	7200	8200
Drill RPM	45700	45701	45702	45703	45704	45705	7201	8201
Amount of Spread Salt Square Meter	45710	45711	45712	45713	45714	45715	7202	8202
Battery Voltage	45720	45721	45722	45723	45724	45725	7203	8203
Amount of Spread Fine Grained Salt	45730	45731	45732	45733	45734	45735	7204	8204
Amount of Spread Coarse Grained Salt	45740	45741	45742	45743	45744	45745	7205	8205
Amount of Spread DiMix	45750	45751	45752	45753	45754	45755	7206	8206
Amount of Spread Coarse Grained Calcium	45760	45761	45762	45763	45764	45765	7207	8207
Amount of Spread Calcium Chloride	45770	45771	45772	45773	45774	45775	7208	8208
Amount of Spread Sodium Chloride	45780	45781	45782	45783	45784	45785	7209	8209
Amount of Spread Magnesium Chloride	45790	45791	45792	45793	45794	45795	7210	8210
Amount of Spread Gravel	45800	45801	45802	45803	45804	45805	7211	8211
Amount of Spread Sand	45810	45811	45812	45813	45814	45815	7212	8212
Width Pouring Left	45820	45821	45822	45823	45824	45825	7213	8213
Width Pouring Right	45830	45831	45832	45833	45834	45835	7214	8214
Salt Spreader Working Hours	45840	45841	45842	45843	45844	45845	7215	8215
Distance During Salting	45850	45851	45852	45853	45854	45855	7216	8216
Load Weight	45860	45861	45862	45863	45864	45865	7217	8217
Retarder Load	45870	45871	45872	45873	45874	45875	7218	8218
Cruise Time	45880	45881	45882	45883	45884	45885	7219	8219
CNG Status	45890	45891	45892	45893	45894	45895	7236	8236
CNG Used	45900	45901	45902	45903	45904	45905	7237	8237
CNG Level	45910	45911	45912	45913	45914	45915	7238	8238
Oil Level	45920	45921	45922	45923	45924	45925	7239	8239
Security state flags P4	46030	46031	46032	46033	46034	-	7443	8443
Control state flags P4	46040	46041	46042	46043	46044	-	7444	8444
Indicator state flags P4	46050	46051	46052	46053	46054	-	7445	8445
Agricultural state flags P4	46060	46061	46062	46063	46064	-	7446	8446
Utility state flags P4	46070	46071	46072	46073	46074	-	7447	8447
LNG Used	46090	46091	46092	46093	46094	-	7574	8574
LNG Used (counted)	46100	46101	46102	46103	46104	-	7575	8575
LNG Level (%)	46110	46111	46112	46113	46114	-	7576	8576
LNG Level (Kg)	46120	46121	46122	46123	46124	-	7577	8577

## RS232/RS485

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
150	Uint8	0	0	2	0 - Disable 1 - RS232 2 - RS485	External UART mode
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		

<b>151</b>	Uint8	0	0	15	Mode	0 - Log Mode 1 - NMEA 2 - LLS 3 - LCD 4 - RFID HID 5 - RFID MF7 6 - Garmin FMI 7 - TCP ASCII 8 - TCP Binary 9 - TCP ASCII Buffered 10 - TCP Binary Buffered 11 - REC to LCD 12 - ATOL tachograph 13 - UL202-2 Fuel Sensor 14 - Magnetic card reader (Only FMU126)
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<b>152</b>	Uint8	Depends on selected Mode	0	8	0 - Default 1 - 1200 2 - 2400 3 - 9600 4 - 14400 5 - 19200 6 - 38400 7 - 57600 8 - 115200	Baudrate
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<b>153</b>	Uint8	Depends on selected Mode	0	3	0 - Default 1 - None 2 - Odd 3 - Even	Parity
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Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>154</b>	Uint8	0	0	255	Number	Prefix 1
<b>155</b>	Uint8	0	0	255	Number	Prefix 2
<b>156</b>	Uint8	0	0	255	Number	Prefix 3

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>157</b>	Uint8	0	0	3	0 - No filter 1 - Ping filter 2 - Unicode filter 3 - Ping and Unicode filters	Garmin Features

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>160</b>	Uint8	3	0	4	0 - Log Mode 1 - NMEA 2 - LLS 3 - TCP ASCII 4 - TCP Binary	Mode

<b>161</b>	Uint8	Depends on selected Mode	0	8	0 - Default 1 - 1200 2 - 2400 3 - 9600 4 - 14400 5 - 19200 6 - 38400 7 - 57600 8 - 115200	Baudrate
Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
<b>162</b>	Uint8	0	0	254	Number	LLS 1 Address
<b>163</b>	Uint8	0	0	254	Number	LLS 2 Address
<b>164</b>	Uint8	0	0	254	Number	LLS 3 Address
<b>165</b>	Uint8	0	0	254	Number	LLS 4 Address
<b>166</b>	Uint8	0	0	254	Number	LLS 5 Address

Default baudrate and parity by mode table:

Mode	RS232 default Baudrate	RS485 default Baudrate	Default Parity (RS232 only)
<b>Log Mode</b>	115200	115200	None
<b>NMEA</b>	115200	115200	None
<b>LLS</b>	19200	19200	None
<b>LCD</b>	57600	-	None
<b>RFID HID</b>	57600	-	None
<b>RFID MF7</b>	9600	-	None
<b>Garmin FMI</b>	9600	-	None
<b>TCP ASCII</b>	115200	57600	None
<b>TCP Binary</b>	115200	57600	None
<b>Magnetic Card Reader</b>	9600	-	None