

# FMC125 SMS events

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SMS events functionality allows FMC125 to send a configured SMS when an event is triggered. This event can be triggered by every I/O element.

When any of the I/O elements is triggered, FMC125 sends a configured SMS message to a defined phone number. If SMS events are activated but there are no numbers defined in *GSM Predefined Numbers* list (similarly as in the picture below), then the device will not send any messages.



The sent SMS messages format is following:

*"Date Time Current Coordinate Event Text"*

For example, if FMC125 is configured to send an SMS, when Ignition reaches high level while configured with *High priority* and event generation on both range entrance and exit (as shown on the figure below), then the sent SMS is:

*"2017/06/13 13:52:18 Lon:25.255537 Lat:54.667193 Ignition 1"*

The screenshot shows the FMC125 configuration interface. At the top, there are buttons for 'Load from device', 'Save to device', 'Update firmware', 'Reset configuration', 'Load from file', 'Save to file', 'Read records', and 'Reboot device'. On the right, there is a 'FMC125' logo and device information: IMEI 352000000000000, FW 01.00.00 Rev:00, Configuration 1.00.0.0. A left sidebar contains a menu with categories like Status, Security, System, GPRS, Data Acquisition, SMS \ Call Settings, GSM Operators, Features, Accelerometer Features, Auto Geofence, Manual Geofence, Trip \ Odometer, Bluetooth, Bluetooth 4.0, 1-Wire, I/O (highlighted), OBD II, CAN Adapter, and RS232 \ RS485. The main area displays an 'I/O' table with columns for Input Name, Units, Priority, Low Level, High Level, Event Only, Operand, Avg Const, Send SMS To, and SMS Text. The 'Priority' column has sub-columns for None, Low, High, and Panic. The 'Event Only' column has sub-columns for Crash, Yes, and No. The 'Send SMS To' column has a dropdown arrow. The 'SMS Text' column has a dropdown arrow.

Input Name	Units	Priority				Low Level	High Level	Event Only			Operand	Avg Const	Send SMS To	SMS Text
		None	Low	High	Panic			Crash	Yes	No				
Ignition		None	Low	High	Panic	0	0	Crash	Yes	No	On Change	10	Ignition	
Movement		None	Low	High	Panic	0	0	Crash	Yes	No	On Change	10	Movement	
Data Mode		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		Data Mode	
GSM Signal		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	GSM Signal	
Sleep Mode		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		Sleep Mode	
GNSS Status		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		GNSS Power	
GNSS PDOP		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	GNSS PDOP	
GNSS HDOP		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	GNSS HDOP	
External Voltage	mV	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	External Voltage	
Speed	km/h	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Speed	
GSM Cell ID		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		GSM Cell ID	
GSM Area Code		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		GSM Area Code	
Battery Voltage	mV	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Battery Voltage	
Battery Current	mA	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Battery Current	
Active GSM Operator		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		Active GSM Operator	
Trip Odometer	m	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		Trip Odometer	
Total Odometer	m	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		Total Odometer	
Digital Input 1		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Dig. Input 1	
Analog Input 1	mV	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Analog Input 1	
Digital Output 1		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Dig. Output 1	
Fuel Used GPS	ml	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	FC By GNSS	
Fuel Rate GPS	l/h*100	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	FC AWG By GNSS	
Axis X	mG	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Axis X	
Axis Y	mG	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Axis Y	
Axis Z	mG	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Axis Z	
KCCD		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring		KCCD Value	
Digital Input 2		None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	1	Dig. Input 2	
Dallas Temperature 1	°C	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Dallas Temp. 1	
Dallas Temperature 2	°C	None	Low	High	Panic	0	0	Crash	Yes	No	Monitoring	10	Dallas Temp. 2	

The SMS Text field can be altered and any text can be entered. Maximum message length is 160 symbols (numbers, letters and symbols in ASCII, except for comma symbol ",").



If FMC125 is in *Deep Sleep* mode and an SMS event occurs with *Low priority* (which does not wake up FMC125), then the device does not send the message. It is saved to device memory until it wakes up from *Deep Sleep* mode and GSM modem starts working normally. After it wakes up, all the messages that are saved to memory will be sent, but keep in mind that only 10 messages can be saved to memory - all other messages will not be saved, until there is free memory space.