

FM12YX and external voltage disconnection event

These instructions are used to help a customer understand how to configure FM12YX device in order to generate and event, if external power supply was disconnected.

FM12YX and external power supply connection

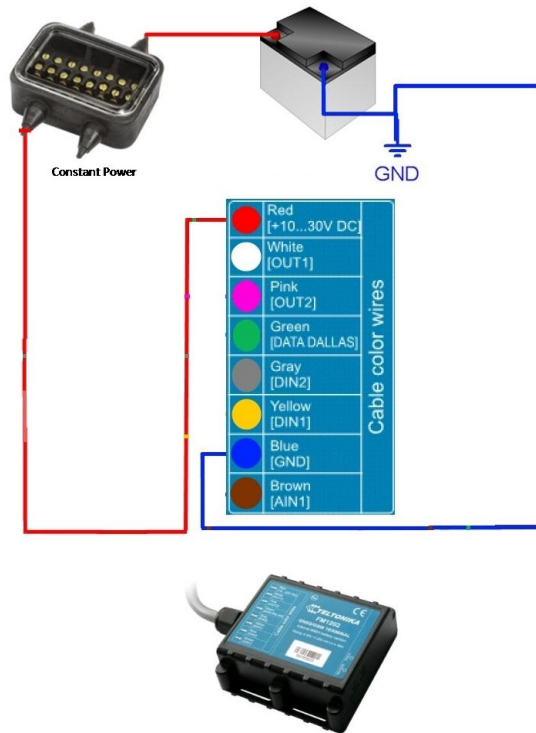


Figure 1. FM12YX and external power supply connection scheme

External voltage I/O event configuration.

How to generate an event if external power voltage was disconnected, is showed in the window below. SMS configuration is provided on the right side..

System Records GSM DataAcquisitionModes Features IO	I/O		Property input: 8 : (Enabled) External Voltage (mV) Enabled	" setparam 1380 1"
	Priority:	High		" setparam 1381 1"
	High level:	30000		" setparam 1382 30000"
	Low level:	10000		" setparam 1383 10000"
	Generate event:	Event on exit		" setparam 1384 0"
	Averaging constant:	10		" setparam 1385 10"
		Bytes Available	74	
SMS Events Configuration		Enable <input type="checkbox"/> SMS Number <input type="text"/>		SMS Events Number List must be defined <input type="button" value="SMS Event Numbers"/>
SMS Text		External Voltage <input type="text"/>		

Figure 1. External voltage I/O event configuration window

With this configuration, event will be generated and sent to server immediately, when device external power becomes less than 10 V DC.

External voltage SMS event configuration.

When External voltage event configuration is done, you can configure device to send SMS your phone number. How to prepare device, is showed in Figure 2 and Figure 3.

External voltage I/O element SMS event configuration structure (ID=108):

SMS Format: setparam X Y,W,Z

X – ID

Y – Enable/Disable (1/0)

W – Telephone number INDEX (ID 150 – INDEX 0; ID151 – INDEX 1, ...)

Z – SMS Text

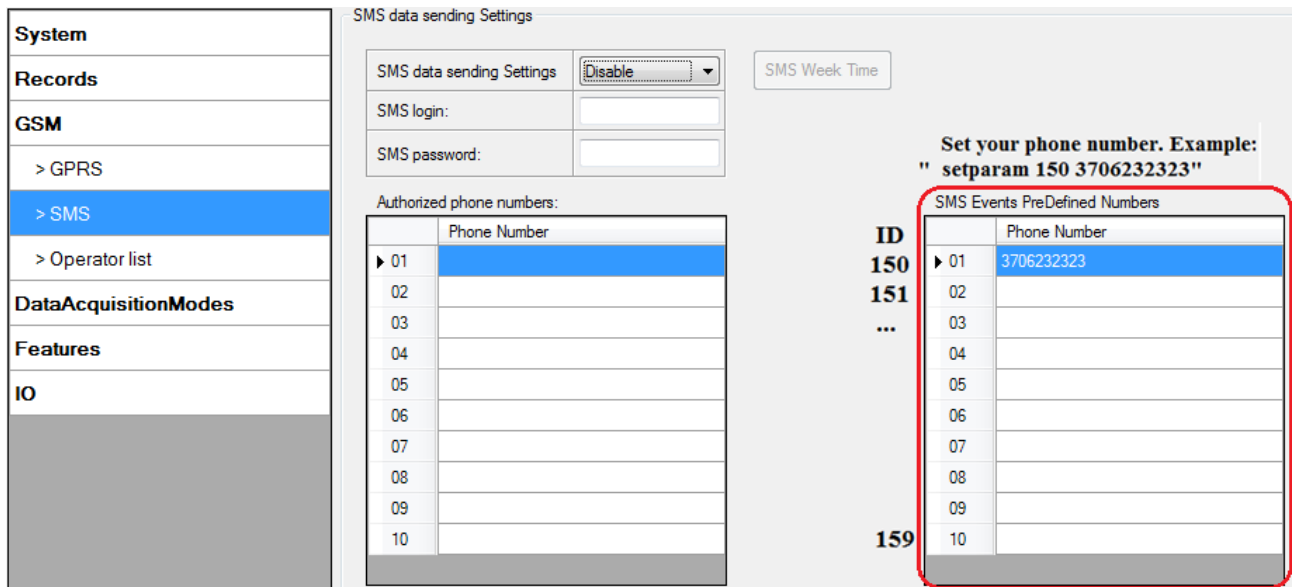


Figure 2. SMS Events Predefined numbers list configuration

System	<p>I/O</p> <p>Property input: 8 : (Enabled) External Voltage (mV) Enabled</p> <p>Priority: High</p> <p>High level: 30000</p> <p>Low level: 10000</p> <p>Generate event: Event on exit</p> <p>Averaging constant: 10</p> <p>Bytes Available 74</p> <p>SMS Events Configuration</p> <p>Enable <input checked="" type="checkbox"/> SMS Number 37063032323</p> <p>SMS Text External Voltage disconnected</p> <p>SMS Events Number List must be defined SMS Event Numbers</p>
Records	
GSM	
DataAcquisitionModes	
Features	
I/O	
<p>Enable SMS event. Choose a phone number, write an SMS text.</p>	<p>Example: " setparam 108 1,0,External voltage disconnected"</p>

Figure 3. External voltage SMS event configuration