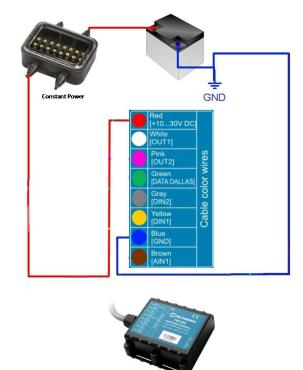
FM12YX and external voltage disconnection event

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	1/0						
	Property input:	8 : (Enabled) Ext	abled) External Voltage (mV) 🔹 Enabled 💌			" setparam 1380 1"	
Records	Priority:		High 🔻			" setparam 1381 1"	
GSM				_	_	" setparam 1382 30000"	
DataAcquisitionModes	High level:				-	" setparam 1383 10000"	
	Low level:		0000	* *	=	•	
Features	Generate eve	nt: E	Event on exit	•		" setparam 1384 0"	
0	Averaging cor	nstant: 1	0	*		" setparam 1385 10"	
					74		
			bytes A	vailable	/4		
	SMS Events (Configuration					
	Enable	SMS Number		-			
	SMS Text					SMS Events Number List	
						must be defined	
	External Volta	ge				SMS Event Numbers	

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

System	SMS data s	ending Settings						
Records	SMS da	ta sending Settings	Disable 🔹	SMS Week Tir	me			
GSM	SMS log	gin:						
> GPRS	SMS pa	ssword:					our phone number. Example: aram 150 3706232323''	
> SMS	Authoriz	ed phone numbers:			- (SMS Events PreDefined Numbers		
		Phone Number			ID		Phone Number	
> Operator list	▶ 01				150	▶ 01	3706232323	
DataAcquisitionModes	02				151	02		
DataAcquisitionmodes	03					03		
Features	04					04		
10	05					05		
	06					06		
	07					07		
	08					08		
	09					09		
	10				159	10		

Figure 2. SMS Events Predefined numbers list configuration

Custom	1/0						
System	Property input: 8 : (Enab	oled) External Voltage (mV) 🔻 Enabled 🔹					
Records							
GSM	Priority:	High					
DataAcquisitionModes	High level:	30000					
DataAcquisitionmodes	Low level:	10000					
Features	Generate event:	Event on exit					
ю	Averaging constant:	10					
Enable SMS event. Choose a pho number, write an SMS text.	SMS Events Configuratio Enable 🗹 SMS Nu SMS Text External Voltage disconn	mber 37063032323 -	SMS Events Number List must be defined SMS Event Numbers				
	Example: " setparam 108 1,	0,External voltage disconnected''					

Figure 3. External voltage SMS event configuration