11 SMS sender

General

SMS sender is a service that lets users configure WCC Lite to send SMS on a set tag triggers.

> ✅ SMS sender functionality is available since firmware version v1.5.4, of WCC Lite.

Configuring SMS sender

To configure WCC Lite to use SMS sender and user must fill in the needed parameters in Excel configuration. These parameters are shown in the tables below.

SMS sender parameters for Devices tab:

Parameter	Type	Description	Required	Default value (when not specified)	Range	
					Min	Max
name	string	User-friendly device name	Yes			
description	string	Description of the device	No			
device_alias	string	Device alias to be used in configuration	Yes			
enable	boolean	Enabling/disabling of a device	No	1	0	1
protocol	string	Selection of protocol	Yes		**SMS sender**	
host	array	List of phone numbers to send SMS to, separated by space.	Yes			

name	description	device_alias	enable	protocol	host	id	scan_rate_ms	poll_delay_ms	timeout_ms	port	ip
Sample Device	Modbus tcp	Sample_device	1	Modbus TCP		1	2000	200	1000	502	192.168.1.2
SMS Sender	Service to send SMS	SMS_Sender	1	SMS sender	860123456 +37060123456						

SMS sender parameters for the Signals tab:

Parameter	Type	Description	Required	Default value (when not specified)	Range	
					Min	Max
signal_name	string	User-friendly signal name	Yes			
device_alias	string	Device alias from a Devices tab	Yes			
signal_alias	string	Unique signal name to be used	Yes			
source_device_alias	string	device_alias of the source device	No			
source_signal_alias	string	source_alias of the source signal	No			

enable	boolean	Enabling/disabling of a signal	No	1	0	1
log	integer	Enable logging in the event log	No	0	0	
job_todo	string	Specific SMS sender tag type	Yes			send-sms, device-control, device-status
tag_job_todo	string	SMS sender tag for **send-sms**: *text message*	Yes			
trigger	string	Trigger expression for the SMS to be sent	No (Only for send_sms)	value!=0		

To configure the SMS sender, 3 types of signals are mandatory. These values should be written inside the *job_todo* field for each signal:

- **send-sms** - This signal takes value from the provided *source_signal_alias* field and checks if the value evaluates as true against the *trigger* field. If it is true, the SMS sender will send the text from the *tag_job_todo* field to the specified phone numbers.
- **device-control** - This signal controls if the SMS sender is enabled or disabled. Its *tag_job_todo* parameter should be set to enable. It takes value from the *source_signal_alias* field and evaluates it against the *trigger* field. If the *trigger* is evaluated as true, the SMS sender will be enabled, otherwise, it will disable the SMS sender.
- **device-status** - This signal indicates if the service is enabled or not. Its *tag_job_todo* parameter should be set to *enabled.*

Trigger expressions can be configured with basic comparison operators:

- Less than **<**
- Greater than **>**
- Less than or equal to **<=**
- Greater than or equal to **>=**
- Equal **==**
- Not equal **!=**

Example configuration of SMS sender (Signals tab):

signal_name	device_alias	signal_alias	source_device_alias	source_signal_alias	enable	tag_type	job_todo	tag_job_todo	trigger	number_type
Sample measurement	Sample_device	Sample_data			1	Normal	3;0;1	3;0;1		UNSIGNED16
SMS sender enable/disable command	Sample_device	sms_switch			1	Normal	2;0;1	2;0;1		UNSIGNED16
SMS send	SMS_sender	sms_send	Sample_device	Sample_data	1	Normal	send-sms	SMS text	value>100	
SMS switch	SMS_sender	sms_control	Sample_device	sms_switch	1	Normal	device-control	enable	value!=0	
SMS status	SMS_sender	sms_status			1	Normal	device-status	enabled		

Configuration --> Download