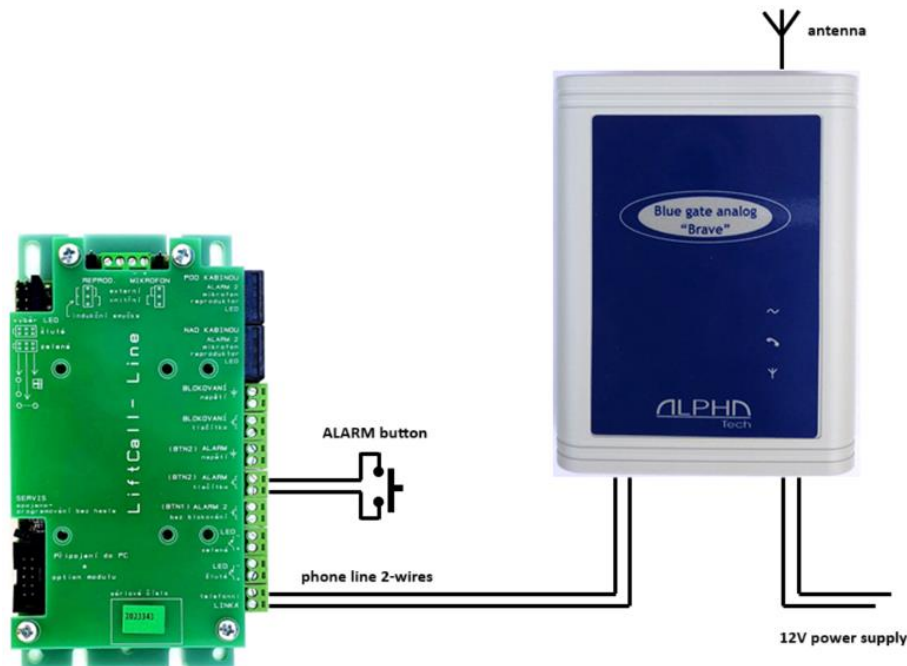# LiftCall-Line with BlueGate 4G

Program the Lift Call Line elevator intercom using an SMS message via the Alphatech 4G GSM gateway.

First you need to save your mobile number on the SIM card of the 4G BlueGate Brave GSM gateway. Only SMS messages sent from numbers stored on the SIM card are accepted.

Procedure for putting the 4G GSM gateway into operation:

1. Prepare a SIM card suitable for a 4G GSM gateway.
2. Disable the PIN code on this SIM card, e.g. using your mobile phone.
3. Put the 4G GSM gateway into operation: Insert the SIM card into the 4G GSM gateway, connect the antenna and connect the power adapter. Wait approx. 2 minutes until the 4G GSM gateway logs into the GSM network. Check the yellow LED next to the antenna icon to find out the signal strength (1 to 5 flashes indicate the signal strength, 1 the weakest and 5 the strongest signal).
4. From your mobile phone, now send an SMS message in the format INIT 0000 to the SIM card of the 4G GSM gateway. This command serves to save your mobile number as an administrator.
5. The 4G GSM gateway will reply to you with an SMS message WRITE xxxxx (your mobile number). This confirms that you are an administrator authorized to send commands to the 4G GSM gateway.
6. Now the 4G GSM gateway is ready to receive SMS messages/commands which, after receiving, the gateway forwards using DTMF to the Lift Call Line (LCL) of the lift intercom.

SMS sent to a 4G GSM gateway phone number has the following format: DTMF cc,c…,…cc

The 4G GSM gateway will ring the connected LCL device. After pickup, the 4G GSM gateway sends a series of characters cc, c…,… cc to the LCL device using DTMF.
where
c: is any of the characters (DTMF tones) 1234567890#*
,: there is a pause of approx. 7 seconds

The length of the whole SMS can be a maximum of 60 characters (1 SMS)

After completing the action, the gateway sends back an SMS with the result:
OK - when the string is sent successfully
ERROR BUSY - device busy (call)
ERROR RING - the device does not pick up
ERROR TONE – invalid DTMF character in the received SMS message (e.g. 123K456)

Specific examples of setting SMS for Lift Call Line elevator intercom:

Password to access the Lift Call Line of the lift intercom: #0000
1st emergency number: 110602364081#
2nd emergency number: 120602545556#
length of button press 6 sec: 5306
order the device to hang up: 9
Individual commands are separated by commas.
The entire SMS thus has the form:
DTMF #0000,110602364081#,120602545556#,5306,9

SMS for factory settings (also deletes the set phone numbers)
DTMF #0000,81,82,8##,9