

Contents

USER FEATURES	2
CAN REMOTE CONTROL BE SECURE?.....	2
HOW THE SYSTEM WORKS	2
REMOTE CONTROL BY PHONE.....	3
1. GENERAL RULES FOR REMOTE CONTROL VIA SMS INSTRUCTIONS ☒	3
2. SETTING (ARMING) BY SMS ☒ xxxx_SET.....	3
3. UNSETTING (DISARMING) BY SMS ☒ xxxx_UNSET	4
4. STATUS INTERROGATION ☒ xxxx_STATUS	4
5. LAST EVENT INTERROGATION ☒ xxxx_MEMORY	5
6. CONTROLLING APPLIANCES BY SMS ☒.....	5
7. SIM CARD CREDIT INTERROGATION ☒ xxxx_CREDIT	5
8. REMOTE CONTROL VIA A TELEPHONE KEYPAD.....	6
9. REMOTE CONTROL BY DIALLING-IN	6
10. LISTENING-IN AND VOICE COMMUNICATION	7
PROGRAMMING IN MAINTENANCE MODE	8
11. REPORTING TO PHONES SEQUENCE 81 M xxx..x *0	8
12. AUTHORIZING A PHONE NUMBER FOR DIALLING IN	9
13. GSM SIGNAL STRENGTH MEASUREMENT SEQUENCE 922	9
14. TRIGGERING GSM RE-REGISTRATION SEQUENCE 923	10
15. FORWARDING OF INCOMING SMS MESSAGES SEQUENCE 926X.....	10
ADVANCED SETTINGS/INSTRUCTIONS IN MAINTENANCE MODE	10
16. SELECTION OF THE EVENTS REPORTED BY SMS SEQUENCE 82 M ec x.....	10
17. SELECTION OF THE EVENTS REPORTED ACOUSTICALLY SEQUENCE 83 M ec x...	11
18. SMS TEXT EDITING ☒ xxxx*TXT	12
19. CONFIGURING SIM CARD INTERROGATION ☒ xxxx_CREDIT_UU..U	13
SIMULATED PHONE LINE CONFIGURATION.....	14
20. ATTACHED PHONE FUNCTION SEQUENCE 951X	14
21. EMERGENCY TELEPHONE NUMBER SEQUENCE 952 xx..x *0.....	15
REMOTE ACCESS BY INTERNET.....	15

User features

The JA-80Y GSM communicator offers many useful features. Its main purpose is information transmission – **reporting events** directly **to you** and **to an ARC** (Alarm Receiving Centre).

In addition, the communicator allows you **remote system control and programming by phone or Internet and the remote control of appliances** in a house (e.g. heating).

If a suitable phone set is connected, you can also make **phone calls** or **send/receive SMS** messages. It is also possible to listen-in to a house via a connected **intercom**.

Can remote control be secure?

There are several mechanisms for protection to ensure that remote system control is secure:

Using a phone:

- The communicator's **SIM card number gives basic protection**. This number is not explicitly referenced anywhere in the system, and we recommend keeping it private.
- As a second level of protection, every SMS instruction is required to contain a **valid access code – the same code as the one used for system operation from the keypad**. This code is also used when you request system access via a phone call – for so-called connection authorization.
- The third level can be realised by naming instructions with your own texts. We recommend recording these texts and keeping them in a safe place.

Using the Internet:

- The communicator can be accessed via the Internet from the www.gsmlink.cz web site. A **secure (encrypted) protocol** is used for transmissions.
- First you have to register your system at www.gsmlink.cz. After that your system's communicator becomes accessible and **protected by the registered password and user name**.
- As the final requirement for establishing a connection with the communicator you need to enter a **valid access code** (equals the code used for operation via the system keypad).

How the system works

Alarm triggering is processed by the communicator as follows:

- If enabled, **reporting to ARCs** (Alarm Receiving Centres) is started first.
- **SMS reports** are sent to pre-programmed phone numbers in the order they be stored.
- As a sort of **acoustic signalling**, pre-programmed phone numbers are called (again in the order that they are stored). Each phone number is dialled only once, regardless of whether the call is answered or not.

If an alarm is cancelled by a user (by presenting a valid code/card) while it is being reported, any unsent SMSes and unperformed call reports are cancelled. However, the ARC still gets a complete set of reports about events in the system.

Remote control by phone

For a mobile phone, there are two ways to control the system remotely. You can either send SMS instructions or establish an authorized connection (protected by an access code) to the system. In the latter case the phone keypad can be used the same way as the system keypad. Using a fixed line phone, you can only operate the system by dialling the communicator's number and establishing an authorized connection.

The below described way of remote control corresponds to the communicator's factory default setting. The configuration can be modified during installation. The installer should clearly explain any changes to the default setting.

1. General rules for remote control via SMS instructions

- Only one instruction can be used in a single SMS message.
- SMS instructions are not case-sensitive. Only standard English (ASCII) characters are accepted.
- All SMS instruction words (parameters) must be separated by a space. ***In this document a space in an SMS instruction will also be denoted by the underline character ' _ '.***
- SMS instructions can be sent from a mobile phone or from a GSM gateway.
- If the % character is used, all preceding text will be ignored. The %% symbol ends processing when used in SMS text – i.e. all the following text will be ignored. It is recommended to use this symbol at the end of the instruction if the provider sends some additional text after your message (advertisements etc.).
- **Warning: If any extra text is not separated from a valid SMS instruction text by % or %% symbols, the SMS message will not be recognized and no instruction will be executed.**
- Performance of the instruction is confirmed by an SMS reply.
- The default instruction texts can be customized by an installer or administrator (see section 18). E.g. the command AUX ON can be changed to SWITCH ON HEATING etc.

2. Setting (arming) by SMS xxxx_SET

The SET instruction allows you to put the system in to a set (armed) state, fully or partially. If the system is already set, it will not change its status.

Send an SMS message containing: **xxxx_SET**

where: **xxxx** is a valid access code (user or master)
_ is a space character

Example: Sending **4321 SET** will set the system the same way as if the code 4321 had been entered on the system keypad.

Notes:

- As a factory default, setting (arming) by a SET instruction is confirmed by the system via an SMS reply.
- When the current system status does not allow system operation (e.g. when in programming mode), you will be notified about the situation via an SMS reply.
- In a split system, an xxxx_SET instruction will only have an effect on the section to which the code xxxx belongs.

3. Unsetting (disarming) by SMS

✉ xxxx_UNSET

The UNSET instruction allows you to unset (disarm) the system, fully or partially. If the system is already unset, it will not change its status.

Send an SMS message containing: **xxxx_UNSET**

where: **xxxx** is a valid access code (user or master)
_ is a space character

Example: Sending **4321 UNSET** will unset the system the same way as if the code 4321 had been entered on the system keypad.

Notes:

- As a factory default, unsetting (disarming) by an UNSET instruction is confirmed by the system via an SMS reply.
- When the current system status does not allow system operation (e.g. when in programming mode), you will be notified about the situation via an SMS reply.
- In a split system, an xxxx_UNSET instruction will only have an effect on the section to which the code xxxx belongs.

4. Status interrogation

✉ xxxx_STATUS

The STATUS instruction allows you to get information about the current system status. The communicator will reply with an SMS reporting the current set/unset status, GSM signal strength, GPRS connection status and transmission success/failure status for each ARC involved.

Send an SMS message containing: **xxxx_STATUS**

where: **xxxx** is a valid access code (user or master)
_ is a space character

Example: If the system is set, an SMS instruction **4321 STATUS** will be replied to by the system via an SMS message which might look like the following:

Report from your alarm: System status: Set, GSM:3/4, GPRS OK, MS1 OK, MS2 OK

where GSM:3/4 means the GSM signal strength is at least 75 percent, GPRS OK means communication via GPRS has been successfully established and MS1 OK, MS2 OK means that all relevant data has been transmitted to monitoring stations MS1 and MS2.

5. Last event interrogation

✉ xxxx_MEMORY

On receiving a MEMORY instruction, the communicator will reply by reporting the last event recorded in the control panel memory.

Send an SMS message containing: **xxxx_MEMORY**

where: **xxxx** is a valid access code (user or master)
_ is a space character

Example: If an alarm has been triggered, the communicator will reply to the SMS instruction **4321 MEMORY** by reporting:

Report from your alarm: Last event: Alarm end Control panel Time: 02.06. 19:48

6. Controlling appliances by SMS

✉

You can send SMS instructions to switch on/off communicator or control panel outputs. Up to 3 appliances can be attached (device X, device Y and an AUX device – see the corresponding table in the control panel user manual). The communicator will reply with an SMS message to confirm performance of the instruction.

To switch device X on send the following SMS:	xxxx_PGX_ON
To switch device X off send the following SMS:	xxxx_PGX_OFF
To switch device Y on send the following SMS:	xxxx_PGY_ON
To switch device Y off send the following SMS:	xxxx_PGY_OFF
To switch device AUX on send the following SMS:	xxxx_AUX_ON
To switch device AUX off send the following SMS:	xxxx_AUX_OFF

where: **xxxx** is a valid access code (user or master)
_ is a space character

Example: If the heating in your house is operated as the X device, you can switch the heating on by sending **xxxx PGX ON**.

7. SIM card credit interrogation

✉ xxxx_CREDIT

If a prepaid SIM card is used in the communicator you can check the credit balance.

Send an SMS message containing: **xxxx_CREDIT**

where: **xxxx** is a valid access code (user or master)
– is a space character

Example: The **xxxx_CREDIT** request is responded to by the following message:
Report from your alarm: Credit: Current balance is 26.35€.

Note: This instruction has to be pre-configured according to GSM provider requirements (see 19).

8. Remote control via a telephone keypad

If you want to operate the alarm system via a phone (mobile or landline), perform the following:

- Dial the GSM communicator number. If a phone is connected to the communicator in the house, it will ring.
- If the call is not answered, the system will answer in 25 seconds. This will be indicated by a short beep.
- On your phone keypad, enter a valid access code (user or master). An acoustic reply will be heard according to the system status.
 - **1** beep = **set** (armed)
 - **2** beeps = **unset** (disarmed)
 - **3** beeps = **programming mode**
 - **siren sound** = **alarm**
- From this moment on, the telephone keypad will work as a system keypad.
- Any subsequent change to system status is again indicated acoustically. For instance, after unsetting the system, you will hear two beeps.
- You can operate devices X or Y via the phone keypad the same way as from a system keypad. This means ***81/*80** will control **device X** and ***91/*90** will control **device Y**.
- To terminate the connection simply hang up. Connection is automatically terminated if there is no entry within 60 seconds.

Note: Remote access from a landline is only possible from a phone using tone dialling (DTMF).

9. Remote control by dialling-in

With some limitations, the communicator allows you to operate the system by ringing the communicator. This operation requires your phone number to have been pre-authorized by being stored in the communicator memory (see 12).

Notes:

- Dialling-in operation is not enabled for phones having hidden numbers.
- If phone calls end before the control panel answers, remote control is for free.

- A phone which is pre-authorized for dialling-in remote control can also be used for normal remote control (see 12) – just let it ring until the control panel answers the call. Naturally, the pre-programmed function will be performed first.

10. Listening-in and voice communication

If an SP-02 voice intercom is connected, the communicator allows you remote voice communication. The intercom can be connected in parallel to any existing phone. The SP-02 works as a speaker-phone, starting with listening-in to the premises. This feature requires phone numbers to be pre-authorized in the intercom (see the SP-02 manual for details). Take the following steps for voice communication:

- Dial the communicator's SIM card number. The SP-02 will answer the call automatically – listening-in to the premises will start.
- Pressing 5 on your phone will switch the intercom to talk mode.
- Pressing 2 on your phone will switch the intercom to listen mode.
- Pressing 1 allows you to switch between the talk and listen modes.
- Pressing 0 or hanging-up will terminate the call.

Note: Operation via a landline is only possible from a phone using tone dialling (DTMF). In addition, the phone number is not allowed to be hidden.

Programming in maintenance mode

Programming in maintenance mode requires access to be enabled by a service technician. Otherwise, no programming is possible – any instruction sequence will be rejected by the system and the keypad will beep four times.

The following description is intended for a system administrator, who knows the control panel master code. All the settings can be performed via keying-in on a system keypad. An unfinished sequence can be cancelled by pressing the # key. A sequence is only stored in control panel memory (or executed) after the sequence has been completely entered. All the settings are only applicable if the control panel is in **maintenance** mode. To put the control panel into maintenance mode, make sure the system is completely unset. Then enter the following sequence on the system keypad:

*** 0 master code (card)** The keypad will display **Maintenance mode**.

11. Reporting to phones

sequence 81 M xxx..x *0

The communicator is factory pre-programmed so that you only have to enter destination phone numbers to establish standard SMS transmissions or acoustic signalling.

The following sequence allows you to store phone numbers in seven memories. The most frequently desired reports are already assigned to the telephone number memories by factory-default. By entering a telephone number into a particular memory you select what will be reported to this number. Use the following programming sequence:

81 M xxx..x *0

where: **M** is memory 1 to 7
xxx...x is a phone number (max. 20 digits), enter ***9** before the number, if you need the '+' prefix for international calls. To use an attached SMS phone, enter code 001 instead of the telephone number.

To erase a number from memory M enter:

81 M *0

where: **M** is memory 1 to 7

Example: Entering **81 3 603 123 456 *0** will store the number 603123456 in memory 3. Entering **81 3 *0** will delete memory 3.

Notes:

- For SMS transfers, only use numbers of mobile phones or call centres that can transfer SMS messages.

- Acoustic signalling can be used on both GSM and landline networks.
- The GSM dialler can report all event information from the alarm system via SMS or acoustically. You can change the setting of event reporting for any phone number – (see 11).

M	Sequence	What will be sent to phone no(s):
1.	81 1 ____ *0	Alarm SMS reporting any type of alarm which occurred in the system (intrusion, fire, tamper, panic).
2.	81 2 ____ *0	Technical SMS reporting system faults.
3.	81 3 ____ *0	Alarm SMS plus phone call for any alarm in the system. If you answer the call you hear a siren sound.
4.	81 4 ____ *0	Technical SMS reporting system faults.
5.	81 5 ____ *0	Alarm SMS plus phone call for any alarm in the system.
6.	81 6 ____ *0	Information SMS whenever the system is being set/unset. Technical SMS reporting system faults.
7.	81 7 ____ *0	Phone call for any alarm in the system. If you answer the call you hear a siren sound. This setting is suitable for landline network calls.
8.		Technical SMS reporting system faults. This memory is reserved for an installer.

Table 1 Factory-default reports assigned to the numbers 1 to 8

12. Authorizing a phone number for dialling in

You can authorize a phone number for dialling-in by storing * at the end of the number and following it by a single digit (1, 2, 3, 8 or 9 – see below). If this number calls, the communicator generates * after the first ring (as if it had been entered manually on the system keypad).

This allows you to use dialling-in for the following:

- *1 **setting the whole system** (equivalent to the ABC keypad button)
- *2 **setting A** (= A button)
- *3 **setting A and B** for partial setting, or **B** for a split system (= B button)
- *8 **PGX turns on for 2s** (if PGX is programmed for the 2s pulse function)
- *9 **PGY turns on for 2s** (if PGY is programmed for the 2s pulse function)

13. GSM signal strength measurement

sequence 922

Good quality GSM signals are necessary for the reliable functioning of the communicator. Entering **922** starts GSM signal measurement. The keypad then displays the signal strength in the range 0/4 to 4/4 and measurement is repeated every second (indicated by beeps). The signal should read at least 2/4. In places with a weak signal we recommend consulting your installer. Press the # key to exit GSM signal measurement.

14. Triggering GSM re-registration

sequence 923

After **923** has been entered, the communicator quits the GSM network and then re-registers itself. This re-registration does not change any settings in the communicator. It should be used after GSM network faults or data collisions and in some networks it also has to be used after a blocked SIM card has been unblocked by the GSM provider. It is also possible (if the SIM card can still receive) to trigger GSM network re-registration by sending the following SMS instruction:

xxxx_GSM

where: **xxxx** is a valid access code (user or master)
_ is a space character

15. Forwarding of incoming SMS messages

sequence 926x

This feature enables the automatic forwarding of incoming SMS messages which contain no valid instructions to the system:

9260 messages are **not forwarded**, but the communicator sends them by CLIP protocol to the simulated phone line (if an SMS phone is attached)

9261 messages are **forwarded** to the first programmed tel. number in memories M1 to M8 (e.g. if numbers are only programmed in M5 and M6, then messages will be forwarded to M5). The tel. number from which the SMS was received will be shown at the beginning of the forwarded text.

Advanced settings/instructions in maintenance mode

The communicator allows for wide configurability in setting SMS reports and acoustic signalling.

The communicator is capable of reporting all system events (Table 2).

- Each event and each possible event source have their corresponding SMS texts factory pre-programmed and programmable.
- For each event, the phone number which the event should be reported to by SMS is programmable.
- For each event, whether the event should be indicated acoustically is programmable.
- All SMS instructions can have their text re-defined.

16. Selection of the events reported by SMS

sequence 82 M ec x

Table 2 shows a list of events which can be reported by SMSes and describes report default settings. Use the following sequence to select which events should be reported by SMS and to which phone numbers:

82 M ec x

where: **M** is the tel. number index for memory 1 to 7
ec is an event code 01 to 32
x **0** = no report, **1** = report

Example: If 827031 is programmed and a fire alarm is triggered (event 03 in the table) by a detector assigned to address 13, it will be reported by SMS to the phone number stored in memory M7 as follows: Your alarm reports: Fire Detector 13, Time: 16.04. 11:16.

Note: An SMS report consists of 5 parts (name of the premises, event name, event source name, source code and time) – for factory default texts and how they can be modified, see chapter 18.

17. Selection of the events reported acoustically sequence 83 M ec x

Table 2 shows a list of events which can be indicated by the system by calling pre-programmed phone numbers (both GSM and landline calling is supported). If the call is answered, a siren sound will be heard. Mobile phone dialling can be regarded as a more audible alternative to SMS messaging or to landline information forwarding. The table contains factory default settings for acoustic indication. You can make changes to the settings by the following instruction:

83 M ec x

where: **M** is the tel. number index for memory 1 to 7
ec is an event code 01 to 32
x **0** = no phone call, **1** = call

Ec	Event	Phone number memory M							
		1.	2.	3.	4.	5.	6.	7.	8.
01	Intruder alarm - instant	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
02	Intruder alarm - delayed	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
03	Fire alarm	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
04	Panic alarm	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
05	Number of permitted incorrect code-entries exceeded	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
06	Alarm triggered during control panel power-up	☒	☒	☒+☎	☒+☎	☒+☎	☒+☎	☎	
07	Tamper alarm	☒	☒	☒	☒	☒	☒		
08	End of tamper alarm								
09	End of alarm indication								
10	Alarm cancelled by user	☒	☒	☒	☒	☒	☒		
11	Setting					☒	☒		
12	Unsetting					☒	☒		
13	Partial setting					☒	☒		
14	Codeless setting					☒	☒		
15	External communication fault	☒	☒	☒	☒	☒	☒		☒
16	External communication								

	restored								
17	Fault	☒	☒	☒	☒	☒	☒		☒
18	Fault no longer present								
19	Mains dropout longer than 30 minutes	☒	☒	☒	☒	☒	☒		☒
20	Mains dropout								
21	Mains restored								
22	Discharged battery	☒	☒	☒	☒	☒	☒		☒
23	Battery OK								
24	Switching to Service Mode								
25	Leaving Service Mode								
26	PGX ON/OFF								
27	PGY ON/OFF								
28	Radio communication jamming present	☒	☒	☒	☒	☒	☒		☒
29	Internal communication fault	☒	☒	☒	☒	☒	☒		☒
30	Internal communication restored								
31	Communication test								
32	Unconfirmed alarm								

Table 2 Reports which can be sent and factory-default settings

18. SMS text editing

☒ xxxx*TXT

The communicator contains various text strings which are used to create SMS reports of events (containing premises name, event name, event source name) and also SMS instruction text. You can modify the factory default values according to your needs by sending SMS instructions.

SMS instructions are of the form: **xxxx_TXT_n,text,n,text**

where: **xxxx** is a valid access code (user or master).

_ is a space character

TEXT is the instruction to edit texts

n is the text number - see Table 3

text is the new text which will replace the former text. It is invalid to enter a comma or a full stop inside the text string, but a space is valid within the text string

Note: Changing SMS instruction texts (601 to 611) means renaming the instructions for system remote control. For instance, when you change the value of text No. 603 from STATUS to SYSTEM STATE you will only be able to interrogate the system status with the new instruction. You can change texts according to your needs and also include a password to protect against unauthorized use of SMS instructions.

Example: If 4321 is a valid access code then sending the SMS instruction:

4321 TXT 3,PIR corridor,340,code Charlie will change both the name of the detector assigned to the third position and the name of the code assigned to position 40.

n	Factory text	Note
0	Report from your alarm:	Introductory text of every SMS report from your system
1	Device	Names or named locations of corresponding detectors or controllers . This is the event description part of SMSes. Device addresses (1-50) are appended automatically.
2	Device	
:	:	
50	Device	
300	Master code	
301	Code	Description of MASTER code use within SMSes Code names, owners – code users – description of code use within SMSes Code positions (1-50) are appended automatically.
302	Code	
:	:	
350	Code	
601	SET	
602	UNSET	Instruction for unsetting the system
603	STATUS	Current system status interrogation
604	MEMORY	Last event interrogation
605	PGX ON	Switch device X on
606	PGX OFF	Switch device X off
607	PGY ON	Switch device Y on
608	PGY OFF	Switch device Y off
609	AUX ON	Switch device AUX on
610	AUX OFF	Switch device AUX off
611	CREDIT	SIM card credit interrogation

Table 3 Table of selected SMS texts

19. Configuring SIM card interrogation

✉ xxxx_CREDIT_uu..u

Before using the **xxxx_CREDIT** instruction, a GSM code has to be specified that is used for balance checking by the particular GSM provider. You can perform the setting by the following SMS instruction:

xxxx_CREDIT_uu..u

where: **xxxx** is a valid access code (user or master)
 _ is a space character
uu..u is a code used by the GSM provider to check the balance (e.g. *104*#)

The following SMS instruction allows you to configure the communicator to check the credit balance regularly:

xxxx_CREDIT_uu..u_xx_yyy_zz

where: **uu..u** is a code used by the GSM provider to check the balance
xx is the automatic checking frequency in days

- yyy** is the minimum acceptable credit balance
- zz** is the textual position in which the number showing the balance starts in the reply message from the GSM provider
- _** is a space character

The communicator interrogates the GSM network every **xxth** day. The reply message is scanned for a number **_** – the reported credit balance, with the scan starting at the **zz** position. If the number is lower than **yyy**, the credit balance message from the provider will be forwarded to phone numbers M1 and M8 to remind someone to top up the SIM card. If, in addition, event 22 is programmed to be reported to any tel. numbers (M1 to M8) then the credit balance being under the **yyy** limit will be indicated by sending the message “Discharged battery of the communicator” to these numbers. Topping up the SIM card (so that **yyy** is exceeded) is indicated by sending the message “Battery OK GSM communicator”. You can disable automatic credit interrogation by sending the single-shot instruction `xxxx_CREDIT_uu.u`.

Example: Sending **4321 CREDIT 101# 7 200 1** will cause the credit balance to be checked every seventh day (counting from the day of sending) so that a minimum of 200 is requested and the numeric value of the balance is supposed to have its textual position at the first character in the reply message from the GSM provider.

Notes:

- **The user is responsible for the credit balance being sufficient!**
- **As a rule, there is a time-limit after which the credit validity will expire!**

Owing to the above facts, using pre-paid SIM cards is not recommended.

Simulated phone line configuration

The communicator is equipped with a phone line connector which allows you to attach a standard phone with tone dialling. This will make the communicator work as a GSM gateway, enabling you to perform phone calls. If, in addition, the telephone set allows for receiving or sending SMS messages (standard: PSTN, FSK V.23, ETSI Protocol 1) then this function will be provided by the communicator too.

20. Attached phone function

sequence 951x

Entering the following instruction on the system keypad allows you to pre-program the simulated line function (the control panel must be in Maintenance Mode):

951x

x	What happens after picking-up the phone
0	An ordinary telephone line is simulated, it is possible to make phone calls from and to the house (indicated by a dial tone in the receiver).
1	If you pick up the receiver, the telephone keypad works as an alarm system keypad. It is impossible to make phone calls in this mode (you hear alarm keypad sounds in the receiver)
2	The communicator does not react to phone operation – the telephone line is disabled.
3	Emergency call – if you pick-up the phone, it dials the emergency number (see 21)

Notes:

- While the communicator is occupied with reporting events, or it is not registered to the GSM network, a busy signal is heard on the connected phone.
- You can switch from line simulation mode (0) to keypad mode (1) by pressing # on the phone (the receiver must be picked up). After hanging up, mode 0 will be restored.
- When in emergency call mode (3), the communicator allows for a switch to mode 0 or mode 1 by pressing the * key or the # key, respectively.

21. Emergency telephone number

sequence 952 xx...x *0

If the simulated phone line is set to emergency call mode (see 20), then after picking up the receiver the phone automatically calls a number programmed by:

952 xx...x *0

where: **xxx...x** is a phone number (max. 20 digits), keying in *9 will enter “+” for international calls.

Remote access by Internet

The system can be accessed remotely via www.GSMLink.cz which allows complete programming by installers and also operating the system by end users. The GPRS service (or, alternatively, SMS) is used for data transfer. The www.GSMLink.cz access is provided by Jablotron free-of-charge (only the data transfer from the premises is charged for).

Accessing the communicator remotely requires its **SIM card to be enabled for GPRS data transfer**. Only then can the device be registered with the GSMLink website. To do the registration itself, take the following steps:

- Specify your login parameters – **user name and password** – as well as other data required for registration (including texts used to obtain a forgotten code).
- Enter the **communicator registration code** (printed on the warranty certificate attached to the communicator module). The registration code has the format XXXXX-XXXXX-XXXX.
- Enter the **communicator SIM card tel. number**.

- Enter your **system access code** (user, master or service) – this code determines which type of **access** will be provided.
- After entering the above parameters the website should be able to **establish a connection with the system** (this may take some time, depending on network traffic, but it usually does not exceed 2 minutes).
- For **further access sessions** you should only need to enter your login parameters.

You can **operate the system** directly **using buttons** that are on the operating panel on the web page. In addition, a **command line** is provided where instructions can be entered the same way as if they were entered from a system keypad. By pressing the submit button you send an instruction via the website to the communicator where it will be processed.

The **list of events** can be opened in any control panel state, therefore it is not necessary to put the control panel into a specific mode (like unsetting or switching to Maintenance Mode). The number of event records being read is limited to 20. If it is not sufficient for your purposes, you can get more on request.