



User manual for FLEXi SP3 security panel with Crow keypads

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Attention!

Read this user manual carefully.

A representative from the company installing the alarm system will explain which functions of the **FLEXi SP3** security module must be activated to ensure proper protection of the premises.

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Manufacturer	UAB “Trikdīs”, Draugystes g. 17, LT-51229 Kaunas, Lithuania
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Contact information for inquiries	Contact information can be found on the website www.trikdis.com



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1 About your alarm system

The **FLEXi SP3** control panel is part of a premise security and fire alarm system. It performs sensor signal processing and signalizer control and has integrated GSM and WiFi modems that can transmit alert messages to the central monitoring station and to users' mobile phones.

Representatives of the company that installed the alarm system will explain the details on the operation, configuration and control of Your alarm system.

2 Main technical specifications

Parameter	Description
Number of security zones	10 zones (20 zones if using ATZ), can be expanded to up to 32 zones using expanders
Number of partitions	Up to 8
Ways of alerting about danger	Sound, indoor and/or outdoor sirens. Strobe lights. Transmission of messages to central monitoring station and/or users
Alert messages are transmitted	To central monitoring station via GPRS to two addresses and/or via SMS messages To 8 user mobile phones via SMS messages
Safety requirements	Meets safety requirements of the EN 60950 standard
User codes for control	Up to 40 user control codes; allowed number of different <i>iButton</i> keys or RFID cards – up to 40
Resistance to environmental influences class	Meets demands of standard EN 50131 for Class II environmental classification
Operating conditions	Temperature from -10 °C to +50 °C, relative humidity 80% at +20°C, no condensation
Main power supply	230 V 50 Hz single-phase AC power network (through a step-down power transformer). Power consumption no higher than 40 W
Backup power supply	12 V / 7 Ah battery. Current consumption no higher than 0,5 A

3 Powering the equipment

The control panel is powered by an AC power network, or, in case it fails, by a backup battery. When an AC power network is available, the battery is charged and kept in standby mode. The time of operation using the backup battery is limited and depends on the amount of current used by the alarm system. A voltage of 12 V is required to power additional devices.

4 General operation of the alarm system

The security-fire alarm system consists of a signal processing board (the control panel), installed in a casing along with a step-down power transformer and backup power supply battery, with intrusion, break-in, fire and other sensors, sound and light signalers and control equipment connected to it.

If the alarm system is armed and any of the sensors are triggered, sound and light signalizers are turned on, and, if set, alert messages are sent to the central monitoring station and to users. If the alarm is disarmed, it will only react to the triggering of sensors that are set to operate continuously.

4.1 Transmission of alert messages

Alert messages can be transmitted to the CMS (central monitoring station) and/or to users. Messages are sent via the selected connectivity channels, first to the CMS and only then to users via **Protequs**, SMS messages and/or phone calls.



4.2 Alarm system operation modes

Mode	Description
OFF (DISARM)	In this mode, only some of the zones are protected. The alarm will only react to events in zones set to Fire, 24 hour, Silent 24h .
ARM	In this mode, all zones are protected. The alarm will react to all possible events.
STAY	In this mode, a part of the zones is protected, but movement is allowed in zones set to Interior STAY and Instant STAY . If the alarm system is operating in this mode and a Delay zone is violated, the alarm will activate only after the entry time has elapsed.

4.3 Control of the alarm system

The alarm system can be controlled using the following devices:

- *TriKdis* keypad Protegus SK232LED W;
- *Paradox* keypads K32+, K32LED, K636, K10LED V/H, K35, TM50, TM70;
- *Crow* keypads CR-16, CR-LCD;
- *iButton* keys;
- *RFID* cards;
- Electric switch, by changing the state of the zone selected by the keyswitch;
- Telephone (by phone call or by sending an SMS message with specific contents);
- *Protegus* app;
- Remote command from monitoring station.

4.4 Control access

Control codes are used to give different users different access levels for controlling the alarm system. The user control codes are four digits long. When choosing and entering control codes, only numbers from 0 to 9 are used, other symbols are not available.

Types of alarm system control codes:

- Administrator code – a six-digit combination (default code - 123456). There is only one administrator code. It cannot be deleted, but it can be changed. The Administrator code allows to add or delete other users' control codes. The Administrator code cannot arm/disarm the alarm;
- User code – a four-digit combination for arming/disarming the alarm system and for temporarily bypassing security zones. It is recommended to assign every user a personal alarm control code. The memory of the **FLEXi SP3** module can store up to 40 user codes;
- SMS password – six-digit combination for controlling the alarm system via SMS messages (default code - 123456).

4.5 Security functions

Name	Description
Bypass	Temporarily (for one arming of the alarm system) bypasses a security zone when changing the alarm status. The function is used when the alarm needs to be armed, but a zone is malfunctioning and the fault cannot be easily repaired.
Bell Squawk	The module can use a short siren signal to warn about the arming and disarming of the premise alarm system.
Chime	When the alarm is disarmed, the module can warn that a zone is being violated by turning on the keypad buzzer and/or a specially programmed PGM output.
Re-ARM	Used to protect against accidental disarming of the alarm. If the alarm was disarmed via phone call, but the Delay zone was not violated, the alarm will automatically return to its previous arm mode after the Entry Delay time passes.



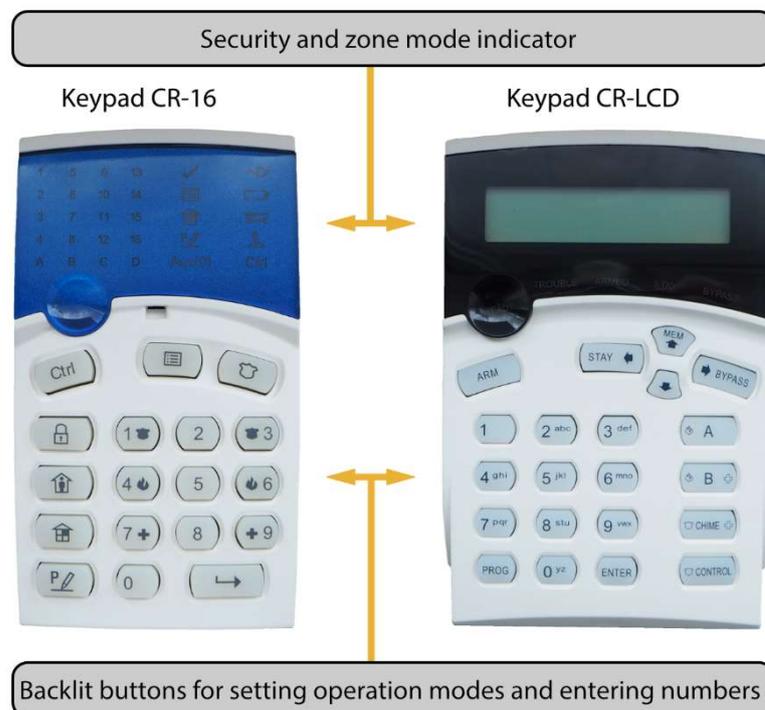
4.6 Additional functions

Name	Description
Temperature measurement	Up to 8 temperature sensors DS18B20, DS18S20 or one temperature and humidity sensor AM2301 can be connected to the FLEXi SP3 module. Intervals of permitted temperatures can be set for each of them individually. If the temperature changes beyond the set interval, an event message will be formed and sent to users.
Remote control of devices	Additional electronic devices can be connected to the FLEXi SP3 security module's programmable open collector outputs and can be controlled remotely.

5 Controlling the alarm

5.1 Controlling the alarm with a Crow keypad

Crow alarm control keypads CR-16 and CR-LCD display the states of 16 zones and 2 partitions.



Buttons for setting operation modes and entering numbers

Button	Description
CONTROL	Button for entering the menu. Indicator is off – the control menu is off. Indicator is blinking – the control menu is on.
MEMORY	A constantly glowing indicator shows that in memory there is new information about the alarm being triggered, and a blinking indicator shows that the keypad is operating in MEM mode. The button is also used for choosing the memory viewing mode.
PANIC	Panic button.
ARM	Button for turning on full security (ARM) mode.
STAY	Button for turning on STAY mode.
BYPASS	A constantly glowing indicator means that there are temporarily bypassed zones, and a blinking indicator shows the keypad is operating in BYP mode. The button is also used for selecting temporary bypass mode.



Button	Description
PROGRAM 	Programming button. Indicator is off – programming mode is off. Indicator is blinking – programming mode is on.
1, 2 ...9, 0	Buttons for entering numbers.
ENTER 	Button for confirming the specified choice.

- Note:**
1. To turn off programming mode or delete an incorrectly entered value, press the [ENTER] button.
 2. If at least one zone is violated, it will not be possible to arm the alarm system (if the **FORCE** property is not assigned to the violated zones).

5.2 Quick arming/disarming of the alarm system

Arming/disarming the alarm system using a code when the security system has **STAY** zones.

Security modes **ARM** and **STAY** are switched to **OFF/DISARM**, and **OFF/DISARM** is switched to **ARM** or **STAY** mode.

Changing the security mode:

1. Enter [User code].
 - a. If the system only has one partition, skip step 2. If the system has more than one partition, the numbers of the partitions that the user is allowed to change the modes of will light up on the keypad.
2. Press the numbers of the chosen partitions.
3. Partitions that were in **ARM**, **STAY** modes will switch to **OFF/DISARM** mode.
 - a. If the **Bell Squawk** function is enabled, the siren will activate twice for short periods of time as the alarm switches off.
4. **Exit delay** time will be counted down for partitions that were in **OFF/DISARM** mode. If a **Delay** zone is violated during the countdown, **ARM** mode will switch on, and if a **Delay** zone is not violated, **STAY** mode will switch on.
 - a. The respective keypad indicator ([**ARM**] or [**STAY**]) will light up.
 - b. If the **Bell Squawk** function is enabled, the siren will activate once for a short period of time as the alarm switches on.

5.3 Arming the alarm in ARM mode

To switch on **ARM** security mode for an alarm system that is divided into multiple partitions:

1. Press the keypad button [**ARM**].
2. Enter the [User code] using the keypad.
3. Press the buttons with the numbers of the partitions you want to control.
4. Confirm your selection by pressing the [ENTER] button.
5. Before the **Exit Delay** time runs out, leave the premises and close the door.
 - a. On the CR-LCD keypad, the indicator [**ARM**] will light up. On the CR-16 keypad, the partition indicator (**A**, **B**) will light up.
 - b. If the **Bell Squawk** function is enabled, the siren will activate once for a short period of time as the alarm switches on.

5.4 Arming the alarm in STAY mode

To switch on **STAY** security mode for an alarm system that is divided into multiple partitions:

1. Press the keypad button [**STAY**].
2. Enter the [User code] using the keypad.
3. Press the buttons with the numbers of the partitions you want to control.
4. Confirm your selection by pressing the [ENTER] button.
 - a. On the CR-LCD keypad, the indicator [**STAY**] will light up. On the CR-16 keypad, the partition indicator (**A**, **B**) will start blinking.



- b. If the **Bell Squawk** function is enabled, the siren will activate once for a short period of time as the alarm switches on.

Note: **STAY** mode is unavailable unless at least one zone is set to **Interior STAY** or **Instant STAY**.

5.5 Disarming the alarm (DISARM mode)

When the premises are protected in **ARM** or **STAY** mode, the countdown of the **Entry Delay** time will begin if anyone enters the premises. You must disarm the alarm before the time runs out.

To switch off protection mode (switch on **DISARM** mode):

1. Enter the [**User code**] using the keypad.
 - a. If the system has only one partition, skip steps 2 and 3.
2. Press the buttons with the numbers of the partitions you want to control.
3. Confirm your selection by pressing the [**ENTER**] button.
 - a. When the alarm is off, the partition indicator or respective keypad indicator ([**ARM**] or [**STAY**]) will switch off.
 - b. If the **Bell Squawk** function is enabled, the siren will activate twice for a short period of time as the alarm switches off.

5.5.1 Switching off the alarm after it has been activated

To switch off the alarm:

1. Enter the [**User code**].
 - a. If the system has only one partition, skip steps 2 and 3.
2. Press the buttons with the numbers of the partitions you want to control.
3. Confirm your selection by pressing the [**ENTER**] button.
 - a. If the **Bell Squawk** function is enabled, the siren will activate twice for a short period of time as the alarm switches off.
 - b. The [**MEM**] indicator will light up and violated zones will start blinking. Press [**MEM**] and then [**ENTER**] to stop the blinking of the violated zones.

5.6 Temporary zone bypass (Bypass function)

To switch on the **Bypass** function:

1. Press the [**BYPASS**] button on the keypad.
2. Enter the [**User code**].
 - a. The **BYPASS** indicator will start blinking.
3. Enter the two-digit numbers of the zones that you want to bypass.
4. Confirm your selection by pressing the [**ENTER**] button.
5. The **BYPASS** indicator will start glowing.

To switch off the **Bypass** function, repeat the same steps as above.

5.7 Viewing and clearing alarm activation memory

When the alarm is activated, the indicator [**MEM**] starts glowing. To find out the reason of the alarm activation:

1. Press the [**MEM**] button on the keypad.
2. The glowing numbers indicate which zones caused the alarm to activate.
3. To exit this mode, press the [**ENTER**] button.
 - a. If no actions are performed with the keypad, the memory viewing mode will switch off automatically after one minute, but the memory will not be cleared and the [**MEM**] indicator will continue to glow.
4. The memory will be cleared after the alarm is switched on and the [**MEM**] indicator stops glowing.



5.8 Setting time and date on the CR-LCD keypad

Keypad CR-LCD
Press the [PROG] button.
Enter the 6-digit [Installer or Administrator code].
Press the [↓] (down) button.
Press the [ENTER] button.
Enter the hours [HH] and minutes [MM].
Enter the day of the month [DD], month [MM] and year [YY].
Press the [PROG] button.
Press the [ENTER] button.

5.9 Resetting fire (smoke) sensors

After the triggering of fire (smoke) sensors, to reset the sensors you must:

1. Press and hold [**Ctrl**] ([**CONTROL**]), the keypad must beep.
2. Press [**0**].
3. The PGM output that the fire sensors are connected to and that is set to operate in **Fire sensor reset** mode will activate.
4. The fire (smoke) sensors connected to the control panel's zone will be reset.

5.10 Emergency call buttons

The keypad can be used to send messages to the security company about required help or imminent danger. This feature is only available if you are using the services of a security company and the security system is connected to the central monitoring station.

Hold down the following buttons together for 3 seconds:

Keypad CR-16 LED	Keypad CR-LCD	Description
[1] [3]	[CHIME] [CONTROL]	to send a message Panic about imminent danger
[4] [6]	[A] [B]	to send a message Fire
[7] [9]	[B] [CHIME]	to send a message Medical about the need for medical assistance

5.11 Troubleshooting the alarm system

On the CR-LCD keypad, the LCD screen shows text about operational trouble.

On the CR-16 LED keypad, if there is any operational trouble, the [**TROUBLE**] indicator on the keypad lights up. To view operational trouble of the alarm system:

1. Hold down the [**Ctrl**] button until the keypad beeps. The **Ctrl** indicator on the keypad will begin to blink.
2. Press [**9**].
3. Trouble groups will light up on the keypad.
4. If you want to view a trouble group, press the corresponding button.
5. To leave troubleshooting mode, press the [**ENTER**] button.

Trouble descriptions

Trouble group	Description of the selected group
[1]: System	[1] No AC power
	[2] Battery malfunction
	[3] Clock not set



Trouble group	Description of the selected group
	[4] Maximum allowed current for output AUX is exceeded.
	[5] Maximum allowed current for siren output is exceeded.
	[6] No siren.
	[7] Fire detector loop trouble.
[2]: Communications	[1] Faulty main connectivity channel (all connection types).
	[2] Faulty second connectivity channel (all connection types).
	[3] Faulty Protegeus connectivity channel (all connection types).
	[4] No SIM card.
	[5] Incorrect SIM PIN code.
	[6] Unable to connect to GSM network.
	[7] Unable to connect to WiFi network.
	[8] E485 module connectivity trouble (see LED indication of the module).
[3]: Zone tamper	Numbers of zones with violated tamperers.
[4]: 485 bus	Numbers of 485 bus expanders with malfunctions.
[5]: Missing RF sensor	A wireless sensor is no longer operational (periodic check time has passed). The zone number shows the order from a separate RF table.
[6]: RF battery low	A wireless sensor has indicated that its battery is about to run out. The sensor number can be found from a separate RF table.
[7]: Anti-masking	Numbers of zones with violated anti-masking.

5.12 Programming user control codes

5.12.1 Changing the administrator code

The administrator code can be changed in *TrikdisConfig* software's menu branch **System Options / Access / Access codes**.

5.12.2 Entering new and editing existing User codes

CR-16 LED keypad	CR-LCD keypad
Press the [PROG] button.	Press the [PROG] button.
Enter the 6-digit [Installer or Administrator code].	Enter the 6-digit [Installer or Administrator code].
Enter [01].	Enter a 2-digit user number (01-40).
Enter a 2-digit user number (01-40).	Press the [ENTER] button.
Enter a 4-digit [User code].	Enter a 4-digit [User code].
Repeatedly enter the 4-digit [User code].	Repeatedly enter the 4-digit [User code].
Enter the partitions that the user will be able to control.	Enter the partitions that the user will be able to control.
Press the [ENTER] button to save the user code.	Press the [ENTER] button to save the user code.
Press the [ENTER] button to leave programming mode.	Press the [ENTER] button to leave programming mode.



5.12.3 Viewing and editing the partitions that the user can control using the CR-LCD keypad

CR-LCD keypad
Press the [PROG] button.
Enter the 6-digit [Installer or Administrator code].
Press the [▲] ([MEM]) button.
Enter a 2-digit user number.
Press the [ENTER] button.
Using the keypad, enter the partitions that the user will be able to control.
Press the [ENTER] button to save your changes.
Press the [ENTER] button.

5.12.4 Viewing partition statuses

CR-16 LED keypad
Press and hold down [Ctrl] until the keypad beeps.
Press [1].

LED indicators numbered from 1 to 8 will show the states of the partitions: On – **Arm** mode is on; Blinking – **Stay** mode is on; Off – **Disarm** or off.

5.12.5 Deleting User codes

CR-16 LED keypad	CR-LCD keypad
Press the [PROG] button.	Press the [PROG] button.
Enter the 6-digit [Installer or Administrator code].	Enter the 6-digit [Installer or Administrator code].
Enter [01].	Enter a 2-digit user number (01-40).
Enter a 2-digit user number (01-40).	Press the [ENTER] button.
Press the [ARM] button.	Press the [ARM] button.
Press the [ENTER] button to delete the code.	Press the [ENTER] button to delete the code.
Press the [ENTER] button to leave programming mode.	

5.12.6 Duress code

If you are forced to switch the alarm system on or off, if you enter your user code with the duress option enabled, the system will switch the alarm system on / off and immediately transmit a silent alarm (Duress code) to the monitoring station. The duress code must be enabled by the installer. There are two types of duress codes: **Higher last digit** or **“0” instead of the first digit**.

6 Control using iButton keys

Note: If at least one zone is violated, it will not be possible to arm the alarm system.

iButton keys can be used to set the alarm system security modes **ARM / STAY / OFF**. Security mode **SLEEP** is unavailable. Place the iButton key against the key reader. The mode of the alarm system will change to the opposite mode. If the system was armed, it will disarm. If the system was disarmed, it will arm and the countdown of **Exit Delay** time will start. If the zone



set to **Delay** is not violated during the time for exiting and there are zones set to **Interior STAY** and **Instant STAY**, the security mode **STAY** will switch on.

Existing keys can be deleted and new keys added to an installed and functioning alarm system by using the configuration software **TrikdisConfig** or a contact key reader.

Linking keys using the **CZ-Dallas** reader.

1. If the **Tag code** list is empty, place the contact key against the “eye” of the reader and hold for 3 seconds. The key will be linked, added to the first line of the list and become the **Master key**.
2. To turn on contact key linking mode, hold the **Master key** against the “eye” of the key reader for at least 10 seconds.
3. To link user keys, hold them against the “eye” of the key reader one by one.
4. When you finish linking the user electronic (*iButton*) keys, hold the **Master key** against the key reader again to disable linking mode.
5. To delete all keys (including the master key), hold the **Master key** against the reader for at least 20 seconds.

7 Control using RFID cards (tags)

Note: If at least one zone is violated, it will not be possible to arm the alarm system.

RFID cards can be used to set the alarm system security modes **ARM / STAY / OFF**.

A Wiegand (26/34) RFID reader with keypad must be connected to the security control panel. RFID tags (cards) can be added by entering their ID numbers in the **TrikdisConfig** software field **Tag code**.

Hold the RFID card against the Wiegand reader or enter the **[User code]** on the Wiegand reader keypad and press **[#]**. The mode of the alarm system will change to the opposite mode. If the system was armed, it will disarm. If the system was disarmed, it will arm and the countdown of **Exit Delay** time will start. If the zone set to **Delay** is not violated during the time for exiting and there are zones set to **Interior STAY** and **Instant STAY**, the security mode **STAY** will switch on.

8 Control using phone calls

Note: If at least one zone is violated, it will not be possible to arm the alarm system (if the **FORCE** property is not assigned to the violated zones).

When controlling the alarm using phone calls, only **ARM** and **STAY** security modes are available.

Before calling, it is recommended to check the current security mode by sending a partition state request via SMS message (command: **ASKA 123456**), and also check the current zone states by sending a zone state request via SMS message (command: **ASKI 123456**).

Programming the control panel allows to enter user phone numbers and specify what these users can control using phone calls: arm/disarm the alarm or control electronic equipment connected to the module’s **PGMx** output.

Call the number of the SIM card inserted into the **FLEXi SP3** security control panel. If the phone number you are calling from is specified in the module’s memory, the control panel will answer the call and you will have to enter the control command (see control command table).

List of commands that can be entered via phone keypad

Keypad buttons	Function	Description
[1][partition no][#]	Arm selected alarm system partition	E.g. (arm partition 2): 12#
[2][partition no][#]	Disarm selected alarm system partition	E.g. (disarm partition 2): 22#
[3][output no][#][stay no]	Control selected output OUT	Controls a specified output OUT. State: [0] – output turned off; [1] – output turned on;



Keypad buttons	Function	Description
		<p>[2] – turned off for pulse time; [3] – turned on for pulse time; (pulse time is specified using TrikdisConfig software, in the PGM table) E.g. (set output 1OUT to “on” state): 31#1 E.g. (set output 2OUT to “on” state for Pulse time specified in the TrikdisConfig “PGM” table): 32#3</p>

If the **Re-ARM** function is activated, if the **Delay** zone is not violated after the set entry time passes from the moment of the alarm disarm command, the alarm system will automatically return to the previous security mode.

9 Control using SMS messages

Using SMS messages, you can control the **FLEXi SP3** security control panel and change some of the panel’s parameters. Only **TrikdisConfig** software can change all parameters of the module.

Structure of an SMS message: Command _{space} Password _{space} Data

For a control panel with default settings, the SMS password is **123456**. For safety reasons, we recommend changing it to a combination only you know and not forgetting it!

SMS command list

Command	Data	Description
<i>INFO</i>		Request information about the control panel. Object name, partition state, IMEI number, GSM signal strength, firmware version and serial number will be included in the reply. E. g.: INFO 123456
<i>RESET</i>		Reset the device. E.g.: RESET 123456
<i>OUTPUT_x</i>	<i>ON</i>	Turn on an output, “x” is the output number. E.g.: OUTPUT1 123456 ON
	<i>OFF</i>	Turn off an output, “x” is the output number. E.g.: OUTPUT1 123456 OFF
	<i>PULSE=ttt</i>	Turn on an output for a specified time - “x” is the output OUT number and “ttt” is a three-digit number that specifies pulse time in seconds. E.g.: OUTPUT1 123456 PULSE=002
<i>PSW</i>	<i>New SMS password</i>	Change SMS password. E.g.: PSW 123456 654123
<i>TIME</i>	<i>YYYY/MM/DD,12:00:00</i>	Set date and time. E.g.: TIME 123456 2020/01/02,12:23:00
<i>TXTA</i>	<i>Object name</i>	Specify object name. E.g.: TXTA 123456 House
<i>RDR</i>	<i>PhoneNR#SMStext</i>	Forwards SMS messages to the specified number. The phone number must start with a "+" symbol and the international country code. E.g.: RDR 123456 +37061234567#forwarded text
<i>ASKI</i>		Send SMS message with statuses of inputs IN. E.g.: ASKI 123456
<i>ASKO</i>		Send SMS message with statuses of outputs OUT. E.g.: ASKO 123456
<i>ASKA</i>		Send SMS message with statuses of partitions. E.g.: ASKA 123456
<i>ASKT</i>		Send SMS message with values of all temperature sensors. E.g.: ASKT 123456
<i>DISARM</i>	<i>SYS:x</i>	Disarm the alarm, “x” is the partition number (1-8). E.g.: DISARM 123456 SYS:1
<i>ARM</i>	<i>SYS:x</i>	Arm the alarm, “x” is the partition number (1-8). E.g.: ARM 123456 SYS:1



Command	Data	Description
STAY	SYS:x	Arm partition "x" in Stay mode, "x" is the partition number (1-8). E.g.: STAY 123456 SYS:1
SLEEP	SYS:x	Arm partition "x" in Sleep mode, "x" is the partition number (1-8). E.g.: SLEEP 123456 SYS:1
FRS		Resets the fire sensor's output, if the output OUT is assigned the function "Fire sensor reset". E.g.: FRS 123456
SETN	PhoneX=PhoneNR#Name#email	Add a phone number, username and assign it to user "x". "x" is the phone number's line on the list. The phone number must start with a "+" symbol and international country code. The phone number and username must be separated by a # symbol. E.g.: SETN 123456 PHONE5=+37061234567#JOHN#john@peter.com
	PhoneX=DEL	Delete phone number and username from the list. E.g.: SETN 123456 PHONE5=DEL
UUSD	*Usd code#	Sends a UUSD code to the operator. E.g.: UUSD 123456 *245#
CONNECT	Protegeus=ON	Connect to Protegeus cloud service. E.g.: CONNECT 123456 PROTEGUS=ON
	Protegeus=OFF	Disconnect from Protegeus cloud service. E.g.: CONNECT 123456 PROTEGUS=OFF
	Code=123456	Protegeus cloud service code. E.g.: CONNECT 123456 CODE=123456
	IP=0.0.0.0:8000	Specify the main server's connection channel's TCP IP and Port. E.g.: CONNECT 123456 IP=0.0.0.0:8000
	IP=0	For turning off the main channel. E.g.: CONNECT 123456 IP=0
	ENC=123456	TRK encryption key. E.g.: CONNECT 123456 ENC=123456
	APN=Internet	APN name. E.g.: CONNECT 123456 APN=INTERNET
	USER=user	APN user. E.g.: CONNECT 123456 USER=User
	PSW=password	APN password. E.g.: CONNECT 123456 PSW=Password

10 Control of PGM outputs

Seven PGM outputs can be controlled from the keypad. In **TrikdisConfig** program (**PGM/Outputs**) it is necessary to set the PGM outputs **Remote control** and (**PGM/Control**) the type of activation (**Level** or **Pulse**).

1. Press and hold **[Ctrl]** (**[CONTROL]**), the keypad must beep.
2. Press the number of the PGM you want to control from 2 to 8.
3. The selected PGM output will be activated.



Information about the protected object

Fill in the following tables. Keep this document in a safe location.

Access codes

Your **Administrator code** is _____

Other access codes:

No.	Code	Control key No.	No.	Code	Control key No.
01A			21		
02A			22		
03A			23		
04A			24		
05A			25		
06A			26		
07A			27		
08A			28		
09			29		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
20			40		

Zones

Zone	Protected space	Zone type
01		
02		
03		
04		
05		
06		
07		
08		
09		



<i>Zone</i>	<i>Protected space</i>	<i>Zone type</i>
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		

Temperature sensors

<i>Sensor</i>	<i>Serial number</i>	<i>Controlled space</i>	<i>Max. temperature</i>	<i>Min. temperature</i>
01				
02				
03				
04				
05				
06				
07				
08				

