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WARNING REGARDING TELEPHONE COMMUNICATION PROVIDERS

Security Systems operate properly when connected to a normal telephone PSTN line. In case of using alternative providers for telephone communication like ISDN or "Voice Over Internet Protocol" (VoIP), then your system may not be able to report properly in case of alarm.

If your VoIP or ISDN devices do not have battery backup or if they are not connected to a UPS, then your security system will not be able to report any event to the Central Monitoring Station during a Mains power failure. Please make sure that the communication of the system is uninterrupted in case of power failure.

INTRODUCTION

Short introduction of PROTEUS Alarm Control Panel

PROTEUS, Alarm Control Panel of **SIGMA Technologies**, is a modern security system that can cover the needs of a small or medium sized building with the best possible security functions.

Simple in use and programming, offers the user a large number of abilities and also unique functions such as:

Intelligent Time Management (ITM), Automatic exit Time Reduction (ATR), Exit Time Extension (ETE), Smart Arming Management, as well as, the unique function, **All Day Secure (ADS)**.

In this manual we explain thoroughly the programming, use and functions of the Control panel, so the user may understand the operation and abilities of Proteus. Please contact your authorized installer for further information regarding the system's functions and use.

Explanation of major terms

To be able to fully understand the operation and programming of the system, read carefully the explanation of the major terms you will find in this manual.

- ▶ **Alarm System:** It is consisted of the Alarm Control Panel, one or more keypads, various detectors, sirens and the Voice Dialer or Digital communicator.
- ▶ **Zone:** it is a specific region of the protected area, which can be protected by magnetic contacts, P.I.R. detectors, Glass Break detector etc. Furthermore, smoke, gas or humidity detectors can be connected in a single or various zones. Zones, depending on their mode of operation, may be characterized as:
 - **Interior:** These zones are bypassed when you arm the system in STAY mode.

- **Perimeter:** These zones are always in operation when you arm the system.
- **24hours:** These zones are always armed, even if the system is disarmed.
- ▶ **Partitions:** is the capability of the system to operate at four different partitions (fully independent subsystems). Every partition can have one or more zones. Each partition maybe fully (AWAY) or partially (STAY) armed.
- ▶ **AWAY arming:** The system is fully armed. The users leave the protected area.
- ▶ **STAY arming:** The system is partially armed. The perimeter zones are armed while user can stay in the protected area. All the zones programmed as Interior are automatically bypassed.
- ▶ **BYPASS:** is the operation by which you temporarily deactivate any zone(s), while you arm the system.
- ▶ **Quick Arm:** Arming the system using the keys **ARM** & **ENTER** or **STAY** & **ENTER**, without entering user code.
- ▶ **Automatic Arming and Disarming:** is the capability of the system to automatically arm and disarm at a specific time and day(s), of the week.
- ▶ **Chime** The keypad buzzer sounds for a second, when specific zones are unbalanced. This takes place, only, **if the system is disarmed**. The chime function may be used so the user may be notified when a door is opened or when someone enters a specific area.
- ▶ **Code:** It is the number you use to arm, disarm or program the system. This number can consist of 4, 5 or 6 digits.
- ▶ **Central Station:** this is the Security Company where your system reports to, via the telephone line, and which monitors all system's functions for 24 hours a day, responsible to contact the authorities or the authorized persons. User signs a contract with the Central Monitoring Station.

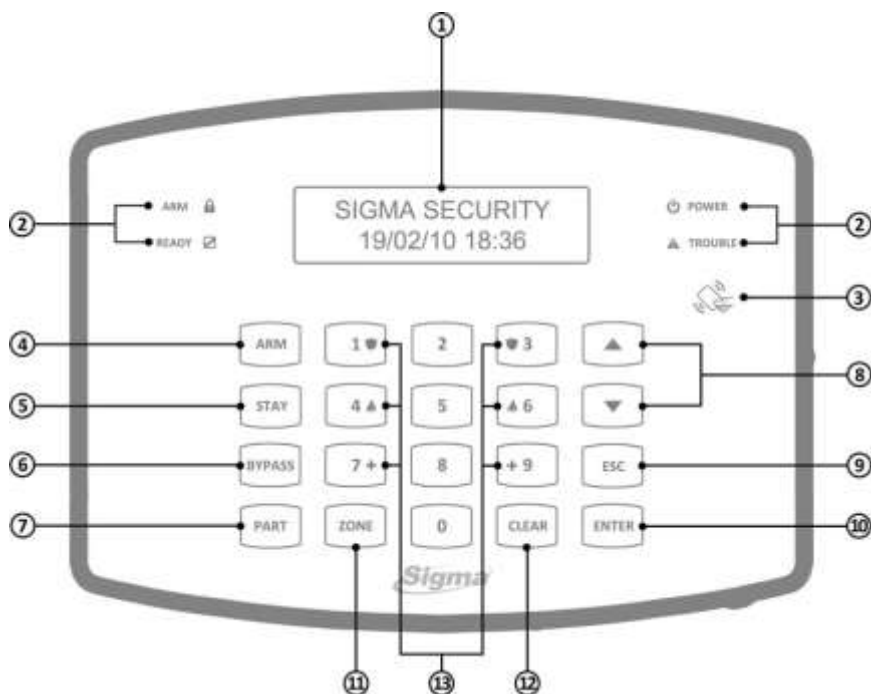
Keypad

The keypad is used to operate, program or check the status of the Control panel.

- ▶ **This keypad is equipped with touch keys, so it is not necessary to press your fingers.** You simply have to touch the keys so they can function.
- ▶ Keys do not respond if touched by a finger nail or any other object.
- ▶ You may have one or more keypads in every system.
- ▶ The menus of every keypad may be in different language.
- ▶ Every keypad may be addressed to one of the 4 partitions of the system, while it can control any of the other 3 partitions if the user code has the relative permissions.
- ▶ **Every keypad will display only indications corresponding to the relative partition it belongs.** You may enter another Partition using the correct user code with suitable access level. The procedure of changing partition is described in the relative chapter of this manual.
- ▶ Every time you use the keypad you will hear a sound indicating the confirmation or rejection of every command.
 - **Confirmation:** Any accepted action on the keypad will result 4 short sounds (**BEEP – BEEP – BEEP – BEEP**).
 - **Rejection:** In case you enter a false value or an invalid command then, this will result a longer buzzer sound (**BEEEEEEEP**) indicating that your action is rejected. Also there will be an error indication on the LCD display of the keypad.

Indications and use of the Keypad

On the keypad there is the 2X16 characters LCD Display, 4 indication LEDs, and 20 touch keys.



① LCD Display

The keyboard LCD display has 2 (lines) x 16 characters. On the LCD display you may see the Status of the control Panel, information of the system and also instructions for the programming and operation of the system.

② Indication LED's





See the paragraph "Indication LED's" in page 28.

③ RFID Card Reader

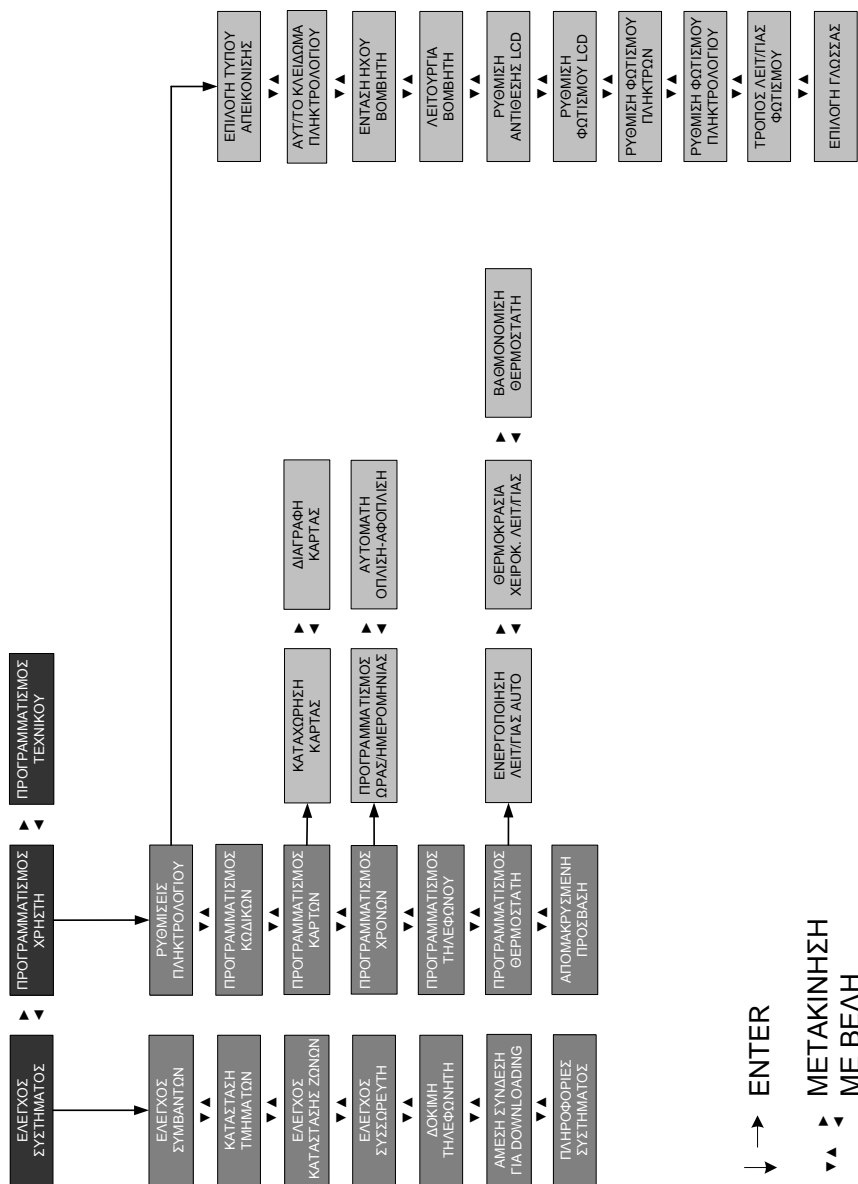
The keypads **Proteus KP/RFID** include an RFID card reader. This provides the ability to arm or disarm the system using RFID cards or key fobs (pages 26 & 50 in User's Manual).

- ④ **ARM** : Use this key to fully arm the system, without entering user code. Also may be used for selective arming or disarming of various partitions of the system.
- ⑤ **STAY** : Use this key for perimeter arming or disarming for the system, without entering user code.
- ⑥ **BYPASS** : Use this key to Bypass any selected zone when arming the system.
- ⑦ **PART** : Use this key to change partition.
- ⑧ **▲ ▼** : Use these keys to navigate within the Menus, during programming or checking status of the system. Also can be used to activate or deactivate the thermostat.
- ⑨ **ESC** : Use this key to exit any menu. Also can be used to return to previous menu.
- ⑩ **ENTER** : Use this key to accept any programming or function.
- ⑪ **ZONE** : Use this key to view the zones status.
- ⑫ **CLEAR** : Use this key to clear the contents of any address during programming.
- ⑬ **Emergency Keys**
In case of emergency use these keys simultaneously to report the relative event to Central Monitoring Station, Fire and Medical assistance).

Indication LED's

LED	INDICATION	STATUS
 ARM	Green	System Disarmed
	Red	System is fully armed (Away)
	Orange	The LED is ON. The system is perimeter armed without entry delay. (Stay - Instant)
		The LED is blinking. The system is perimeter armed with entry delay. (Stay - Delay)
 READY	Green	All zones balanced. System READY to arm.
	Red	Unbalanced zones. System NOT READY to arm
	Orange	The system is READY TO Arm, but some zones are not balanced. These zones will be included as soon as the system is armed.
 POWER	Green	The system is supplied from Mains power (220V AC) and the battery is in a good operation condition.
	Red	No power (220VAC)
	Orange	Battery problem
	Red Orange	No power (220VAC) and also battery problem
 TROUBLE	Red	It turns ON whenever there is a problem in the system: Alarm, Power Failure, Low battery, blown fuse, Communication problem, e.t.c.

Menus Overview



→ ENTER

← ΜΕΤΑΚΙΝΗΣΗ
← ΜΕ ΒΕΛΗ

USER PROGRAMMING

You may find programming procedures of the system in ***“User Programming”***.

User programming may be performed only if the system is disarmed. In order to arm or disarm the system for the first time, please press

1 7 7 7 & ENTER.

Factory default user is: **1777**

User Programming is not possible in the following cases:

- ▶ **When the digital communicator of the system is in operation.**

In this case, the following menu will be displayed:

IMPOSSIBLE PROGRAMMING and then,

THE COMMUNICATOR IS ACTIVE

- ▶ **When the voice dialer of the system is in operation.**

In this case, the following menu will be displayed:

IMPOSSIBLE PROGRAMMING and then,

THE DIALER IS ACTIVE

- ▶ **When the system is in Downloading procedure.**

In this case, the following menu will be displayed:

IMPOSSIBLE PROGRAMMING and then,

D/L PROCEDURE IN PROGRESS


- ▶ **In case we change partition.**

In this case, the following menu will be displayed:

PARTS CHANGE IN PROGRESS

Enter User Programming menu

To enter User Programming please follow the bellow procedure:

1. When in the initial display of the system, press the key  until the following message is displayed:

USER PROGRAMMING

2. Press **ENTER**. The following menu will be displayed:

TYPE CODE & ENTER

3. Enter your code and then press **ENTER**. The following menu will be displayed:

PLEASE WAIT... and then:

KEYPAD SETTINGS

Keypad Settings

The settings described in this section of the manual must be performed in all the keypads of the system.

To program the keypad you must first enter USER PROGRAMMING Menu as described in the previous paragraph. Then the following menu will be displayed:

KEYPAD SETTINGS

Press **ENTER**. The following menu will be displayed:

DISPLAY TYPE

Selecting Display Type

You may select the initial display of the keypad. Each keypad can have different initial display. The procedure for selecting initial display type is as follows:

Enter “**KEYPAD SETTINGS**”, as described in previous section. The following menu will be displayed:

DISPLAY TYPE

1. Press **ENTER** and select the display type you wish using the key **▲** or **▼**. You can select between 4 different display types:

COMPANY NAME TIME - DATE

In this selection on the first line will be displayed the Company Name or the indication “UNBALANCED ZONES” if there are any unbalanced zones. On the second line will be displayed the current time and temperature.

COMPANY NAME TIME - TEMPERATURE
--

In this selection on the first line will be displayed the Company Name or the indication “UNBALANCED ZONES” if there are any unbalanced zones. On the second line will be displayed the current time and date.

ZONES STATUS TIME - TEMPERATURE
--

In this selection on the first line will be displayed the Company Name or the indication “UNBALANCED ZONES” if there are any unbalanced zones. On the second line will be displayed the current time and temperature.

ZONES STATUS TIME - DATE

In this selection on the first line will be displayed the Company Name or the indication “UNBALANCED ZONES” if there are any unbalanced zones. On the second line will be displayed the current time and date.

2. Press **ENTER**, to save your selection to memory.

Keypad Auto locking

The system keypads may lock automatically if they are not used for a preprogrammed period of time.

To activate or deactivate the keypad Auto Locking function and to program all the relative functions please use the following procedureQ

Activating Keypad Auto locking

Enter **"KEYPAD SETTINGS"**, as described in page 14, and you will see the following menu:

DISPLAY TYPE

1. Press the key ▼ and The following menu will be displayed:

KEYPAD AUTO LOCKING

2. Press **ENTER**. The following menu will be displayed:

AUTO LOCKING: DISABLED

3. Use the keys ▲ or ▼ to select:

AUTO LOCKING: ENABLED

4. Press **ENTER**. The following menu will be displayed:

LOCK KEYPAD AFTER: 15 SECONDS

5. Enter the desired keypad auto locking time period e.g.: 1 0 seconds, and
6. Press **ENTER**, to save your selection to memory.

The user can lock the keypad any time by pressing simoultaneously the keys **ZONE** & **CLEAR**, until the following message is displayed:

KEYPAD IS LOCKED

Deactivating Keypad Automatic Locking

To deactivate the automatic keypad locking please use the above procedure and

1. With the arrow keys ▲ or ▼ select:

DISABLED

2. Press **ENTER**, to save your selection.

NOTE

- ▶ The emergency keys are active even if the keypad is locked.
- ▶ If the keypad is locked and you press any key you will see the following message on the LCD display:

KEYPAD IS LOCKED

[ZONE] + [CLEAR] TO UNLOCK KEYPAD


- ▶ To activate the keypad when it is locked press simultaneously the keys **ZONE** & **CLEAR**, until you have the following message on the LCD display:

KEYPAD IS UNLOCKED



Adjusting Volume of the buzzer

Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key  until the following menu is displayed:

BUZZER VOLUME


2. Press **ENTER** and using the arrow keys, increase  or decrease  the volume of the buzzer. The volume of the buzzer is graphically displayed on the second line of the LCD display. At the same time you can listen to the sound increasing or decreasing.
3. Press **ENTER**, to save your selection in memory.

Programming the buzzer functions

Following you may select the buzzer operation mode:

Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key  until the following menu is displayed:

BUZZER OPERATION

2. Press **ENTER** and using the arrow keys **▲** or **▼** select the buzzer operation mode, from the following options:
 - ▶ **BUZZER OPERATION ON ENTRY & EXIT**
 - ▶ **BUZZER OPERATION ON EXIT**
 - ▶ **BUZZER OPERATION ON ENTRY**
 - ▶ **BUZZER OPERATION DISABLED**
3. Press **ENTER**, to select the buzzer operation mode you wish. Your selection will be stored in memory.

Adjusting LCD contrast

Enter “**KEYPAD SETTINGS**”, as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key **▼** until the following menu is displayed:
 - ADJUST LCD CONTRAST**
2. Press **ENTER** and using the arrow keys increase **▲** or decrease **▼** the LCD Display contrast. The LCD Contrast level is displayed on the second line of the display.
3. Press **ENTER**, to store selected option in memory.

Adjusting LCD Backlight

Enter “**KEYPAD SETTINGS**”, as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key **▼** until the following menu is displayed:
 - ADJUST LCD BACKLIGHT**

2. Press **ENTER** and using the arrow keys increase **▲** or decrease **▼** the LCD display backlight. The level of LCD Backlight is displayed on the second line of the display.
3. Press **ENTER**, to store selected option in memory.

Adjusting Keypad's Backlight

Enter "KEYPAD SETTINGS", as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key **▼** until the following menu is displayed: **ADJUST KEYPAD BACKLIGHT**
2. Press **ENTER** and Using the arrow keys increase **▲** or decrease **▼** the keys backlight. The level of the keys Backlight is displayed on the second line of the Display.
3. Press **ENTER**, to store selected option in memory.

Adjusting Keypad's Lighting

Enter "KEYPAD SETTINGS", as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key **▼** until the following menu is displayed:
ADJUST KEYPAD LIGHTING
2. Press **ENTER** and using the arrow keys, increase **▲** or decrease **▼** keypad perimeter lighting. The level of the keypad perimeter lighting is displayed on the second line of the Display.
3. Press **ENTER**, to store selected option in memory.

Keypad Lighting Operation Mode

The keypad lighting can operate differently in every keypad, according to the following operation modes:

- **Auto Function:** Turns on when any key is touched or if the system is armed and any delay zone is unbalanced (Factory programmed

mode).

- ▶ **Activated by Zone:** Turns on when any key is touched or if the system is armed and any zone of your selection is unbalanced (the system must be disarmed).

In both above mentioned modes the keypad's lighting will turn off after 1 minute from the last key is.

- ▶ **Permanently ON:** The lighting is permanently ON as long as the system is powered by mains voltage 220 V AC. In case there is no mains power the operation mode of the keypad's lighting reverts to AUTO FUNCTION to save power of the battery.

To select the keypad's lighting operation mode follow the bellow procedure:

Enter "KEYPAD SETTINGS", as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key ▼ until the following menu is displayed:

KEYPAD LIGHTING OPERATION

2. Press **ENTER** and using the arrow keys ▲ or ▼ select the desired Keypad's lighting operation mode:

▶ **AUTO FUNCTION**

▶ **PERMANENTLY ON**

▶ **ACTIVATED BY ZONE**

3. Press **ENTER**, to save the desired Keypad's lighting operation mode in memory.

If you select the following option:

ACTIVATED BY ZONE

Then after touching **ENTER**, the following menu will be displayed:

ACTIVATED BY ZONE: - -

1. Enter the desired zone number, if you wish the keypad lighting to be controlled by a specific zone or **0 0**, if you wish the keypad lighting to be activated by any unbalanced zone of the system.

2. Press **ENTER**, to store the selection in memory.

NOTE

The keypad lighting turns off after the system is armed and the exit delay has elapsed.

Selecting Language

Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

DISPLAY TYPE

1. Press consecutively the arrow key **▼** until the following menu is displayed:

LANGUAGE SELECTION

2. Press **ENTER** and using the arrow keys **▲** or **▼** select the keypad’s language from the available languages
3. Press **ENTER**, to save your selection to memory.

NOTE

The menus of every keypad of the system can be in different language.

Programming User Codes

Using this procedure you may add, delete, edit or cancel user codes for your alarm system. You may have up to 97 user codes, consisted of 4, 5 or 6 digits. You may have 4 digit, or 5 digit, or 6 digit codes simultaneously in the same system.

Every user of the system may have different user code, so the master user will be able to limit or increase user rights to each user. Also the Master User may be able to view which user had armed or disarmed the system and when, using the system’s log.

User Codes Access Rights

There are 6 different Access levels Groups. Every user code can have different access rights. The Master User code (01) has the highest access rights and its access level group can not be edited. Please see all different types of user codes and access levels groups in the table bellow:

USER CODES ACCESS LEVELS				
USER CODES ACCESS LEVEL	PROGRAMMING/TIME -DATE/ AUTOMATIC ARMING-DISARMING	LEVEL/EDIT CODES	CHANGE PARTITION	BYPASS ZONES
MASTER CODE	YES/ YES/ YES	YES/ YES	YES	YES
PARTITION MASTER	NO/ YES	NAI	YES	YES
AUXILLIARY 1	NO	NO	YES	YES
AUXILIARY 2	NO	NO	NO	YES
AUXILIARY 3	NO	NO	NO	NO
TWO TIMES	NO	NO	NO	NO
DURESS CODE	NO	NO	NO	NO

Master Code

It is the Code **01**. It can arm or disarm any or all partitions, and is the only code that can program:

- All users codes and add, edit the user codes access levels, or partitions they may arm or disarm.
- The current time and date.
- Time and days for auromatic arming and disarming.
- Activate or deactivate Downloading or arming – disarming via Downloading.

! ATTENTION

The factory default user code **“1 7 7 7”**, must be edited for security

reasons. If you edit this code you must use the new code to enter user programming.

Partition Master Code

This code arms and disarms the partitions it has access to. It can add, edit or delete the user codes that belong to the partition it controls. Also, can program the time and days of automatic arming and disarming of the partition it belongs to.

The partition master codes initially are programmed by the Master code. Then each partition master code may add, edit or delete the user codes belonging to this partition.

Auxilliary Codes

These User codes can arm the partitions they are programmed to access according the the Access Level they have. Also they can Bypass zones belonging into these partitions.

Two Times Code

This User code may be used twice, to arm and disarm the system. After that, it is automatically deleted and needs to be programmed again if you wish to reuse it. This user code is programmed by a Master code or a Partition Master Code.

Duress Code

This code is used to disarm the system when the user is under threat. When disarming the system it will silently report a special Panic event to the Central Monitoring Station.

Programming the Access Level of user codes and the partitions they can control

Using the following procedure you may program the Access level of each user code, and the partition it belongs to. Also you may program the partitions this user code can arm or disarm. The factory default access level of the user codes regarding the partitions the can arm or disarm is:

- The Master Code has access level 1 and can arm or disarm all

partitions.

- All the other user codes have access level 2 and can arm or disarm only partition 1.

To edit the Access level of a User Code and especially the partitions it will be able to arm or disarm, enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

KEYPAD SETTINGS

1. Press the arrow key  until the following menu is displayed:


CODES PROGRAMMING

2. Press . The following menu will be displayed:




CODE PARTITION/ LEVEL

3. Press . The following menu will be displayed:



CODE No: 02

4. Enter the increasing number of the User Code (02 to 97) and then press . the following menu will be displayed:

CODE LEVEL: PARTITION MASTER


which, is the Access Level of the user code. Using the arrow keys  or  select the User Code's Access and then press . The following menu will be displayed:

BELONG PART: 1

5. Enter the partition the User code belongs to and press . If the selected User code's Access Level enables it to arm or disarm other partitions then after pressing , the following menu will be displayed (partitions the user code has access to):

PARTS: 1 2 3 4

ACCESS #

6. Select the partitions this user code can arm or disarm, using keys from 1 to 4. Pressing the relative number the symbol # will be displayed under the partition number indicating that the user code can arm or disarm this partition. Pressing the same number again will remove access to the specific partition by the specific User code.
7. Press , to save your selection to memory.

Adding new User Code

To add a new user code, navigate to the following menu:

CODES PROGRAMMING

1. Press the arrow key **▼** until the following menu is displayed:

CODES

2. Press **ENTER**. The following menu will be displayed:

CODE S/N: 01 CODE: ****

3. Enter the increasing number of the User code (**02-97**) you wish to add e.g.: **0 2** and then **ENTER**. The following menu will be displayed:

CODE S/N: 02 CODE:

4. Enter the desired User Code (this code may have 4, 5 or 6 digits), e.g.: **2 9 8 4** and then press **ENTER**, to save it in memory. The following menu will be displayed:

CODE S/N: 03 CODE: ****

Editing User Code

To edit an existing User code, navigate to the following menu:

CODE S/N: 01 CODE: ****

1. Enter the increasing number of the User code (**02-97**) you wish to edit, e.g.: **0 3**. The following menu will be displayed:

CODE S/N: 03 CODE: ****

2. Press **ENTER**. The following menu will be displayed:

CODE S/N: 03 CODE:

3. Enter the new User Code, e.g.: **2 9 1 5** and Press **ENTER**, to save it in memory.

Deleting User Code

To edit an existing User code, navigate to the following menu:

CODE S/N: 01 CODE: ****

1. Enter the increasing number of the User code (02-97) you wish to delete, e.g.: **0** **4** and then **ENTER**. The following menu will be displayed:

CODE S/N: 04 CODE: ****

2. Press 2 times **ENTER**, to delete the code and save your selection to memory. The following menu will be displayed:

CODE S/N: 04 CODE:

NOTE

- For security reasons, the Installer has not access and can not view the programmed User codes either locally (via keypad) or remotely (via Downloading).

Programming RFID Cards or Key Fobs

Using the following procedure you may register, edit, delete or cancel RFID Cards or keyfobs that may arm or disarm the system. Totally, **99** Key Fobs or RFID Cards may be added to the system. Each RFID card or Keyfob may arm or disarm more than one partitions. User can program RFID cards or keyfobs by an RFID Keypad.


The use of RFID cards or keyfobs is more secure if compared with user codes. Η χρήση των Key Fobs, especially if the users are elderly or disabled persons.

You may use RFID card or user code to your system. Example: you may arm using the user code and disarm using the relative RFID Card. In case you wish to use only RFID Card then you do need to add a user code.

Registering RFID Cards or Key Fobs

To register an RFID card or Key Fob in the system's memory you must enter User Programming on an RFID keypad, and then enter "KEYPAD SETTINGS", as described in page 14, and use the arrow keys until you will see the following menu:

KEYPAD SETTINGS

1. Press consecutively the arrow key  until the following menu is displayed:

RFID CARD PROGRAMMING

2. Press **ENTER**. The following menu will be displayed:

RFID CARD REGISTRATION

3. Press **ENTER**. The following menu will be displayed:

APPROACH CARD TO KEYPAD

4. Approach the RFID Card or Key Fob to keypad. You will immediately listen to the verification or rejection sound for the RFID Card or key fob. If the relative card is registered for the first time in the system, the following menu will be displayed:

TYPE CARD NUMBER: 01 & ENTER

While if it is already registered, the following menu will be displayed:

REGISTERED WITH S/N: ??

Immediately the following menu will be displayed:

TYPE CARD NUMBER: 01 & ENTER

5. Enter the increasing number of the RFID card or Key Fob (**01-99**) and press **ENTER**. The following menu will be displayed:

TIMES OF USE: 00

6. Enter the number that determines how many times this card may be used (**00-99**), e.g.: **0 2** and press **ENTER**. The following menu will be displayed in which you may see which partitions the RFIDcard or keyfob is able to arm:

PARTS:	1	2	3	4
ARM:	-	-	-	-

Note: If you wish to remove all restrictions for using the RFID Card or keyfob please enter **00**.

7. Select the partitions that will be armed or disarmed with the RFID Card or keyfob, pressing consecutively the key **ARM**, to select the same arming mode for all partitions or press they numeric keys that correspond to each partition (**1 for 1st partition, 2 for 2nd partition**

e.t.c.), to select different arming mode for each partition. Every time you press the relative numeric key the arming mode is changed (-: no Arming, **A**: Away, **S**: Stay).

8. After selecting the partitions you wish to arm with the RFID Card or keyfob, press **ENTER**. Then the following message will be displayed:

THE CARD HAS BEEN REGISTERED

! ATTENTION

Note down the increasing number of RFID card or Key Fob of every user. This increasing number will be needed in case you wish to delete or cancel any card or keyfob.

Editing, deleting or canceling RFID Cards or Key Fobs

In case a RFID Card has been lost, or if you just wish to cancel a specific RFID Card you must follow the procedures ***“Edit – Cancel RFID Card”*** or ***“Deleting RFID Card”***.

Editing or cancelling RFID Card or Key Fob

To edit access rights or cancel a specific RFID card or Key Fob, enter RFID Card registration as described in step page 27, and in the menu:

RFID CARD REGISTRATION

1. Press the arrow key **▼** until the following menu is displayed:

MODIFY – CANCEL CARD

2. Press **ENTER**. The following menu will be displayed:

TYPE CARD NUMBER: 01 & ENTER

3. Approach the RFID Card or Key Fob to keypad. You will immediately listen to the verification or rejection sound for the RFID Card or key fob **0 9** and press **ENTER**. The following menu will be displayed:

TIMES OF USE: 00

4. Enter the number that determines how many times this card may be used (**00-99**), e.g.: **0 2** and press **ENTER**. The following menu

will be displayed in which you may see which partitions the RFIDcard or keyfob is able to arm:

PARTITIONS:	1	2	3	4
ARM	:	S	A	- -

5. Select the partitions that will be armed or disarmed with the RFID Card or keyfob, pressing consecutively the key **ARM**, to select the same arming mode for all partitions or press they numeric keys that correspond to each partition (**1 for 1st partition, 2 for 2nd partition e.t.c.**), to select different arming mode for each partition. Every time you press the relative numeric key the amring mode is changed (-: no Arming, **A**: Away, **S**: Stay).
6. Press **ENTER**. There will be a confirmation sound, and the followingmessage will be displayed:

THE CARD HAS BEEN REGISTERED

Deleting RFID Card or Key Fob

To delete a specific RFID Card or key fob, enter RFID Card Programming, as described in page 27, and when in the menu: **RFID CARD REGISTRATION**

1. Press consecutively the arrow key **▼** until the following menu is displayed:

CARD DELETE

2. Press **ENTER**. The following menu will be displayed:

TYPE CARD NUMBER: 01 & ENTER

3. Approach the RFID Card or Key Fob to the keypad. Alternatively you may enter the increasing number of the RFID card or keyfob you wish to delete (**01-99**), e.g.: **0 5** and press **ENTER**. The card will be deleted and the following message will be displayed:

THE CARD HAS BEEN DELETED

Deleting all the RFID cards at once

To delete all the registered RFID Cards or keyfobs, enter User Programming as described in page 14, as User Code **01** and follow the above procedure for deleting a RFID Card.

When in menu:

RFID CARD REGISTRATION

1. Press consecutively the arrow key ▼ until the following menu is displayed:

CARD DELETE

2. Press **ENTER**. The following menu will be displayed:

TYPE CARD NUMBER: 01 & ENTER

3. Enter **0 0** and press **ENTER**. The following menu will be displayed:

PLEASE WAIT...

After a while you will listen to the verification buzzer sound and the following message will be displayed:

ALL CARDS HAVE BEEN DELETED

Time programming

Using the following procedure user may program current date and time and also time for automatic arming and disarming for every day of the week.

Programming current time and date

To program current time and date, enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

KEYPAD SETTINGS

1. Press consecutively the arrow key ▼ until the following menu is displayed:

TIME PROGRAMMING

2. Press **ENTER**. The following menu will be displayed:

TIME/DATE PROGRAMMING

3. Press **ENTER**. The following menu will be displayed:

TIME: 01:01

4. Enter the current time (24 hours format), e.g.:

1 **8** **4** **5** and Press **ENTER**. The following menu will be displayed:

DATE: 01/01/01

5. Enter the current date e.g.:

1 **7** **0** **6** **1** **0**

6. Press **ENTER** to save in memory.

Programming Automatic Arming and Disarming

Automatic Arming and Disarming may be different for each partition. Only Master code and partiion master code can program this function.

User may program 2 different time periods with different arming mode. In any period user may program only automatic arming or disarming time.

When the system is automatically armed, an event is transmitted to the Central Monitoring Station, indicating Auto Arming or Disarming and also the relative partiion number.

To program Automatic Arming and Disarming follow the bellow described procedure:

Enter TIME PROGRAMMING as deccribed in page 31, and navigate to the menu:

TIME/DATE PROGRAMMING

1. press the arrow key **▼** until the following menu is displayed:

AUTO ARM/DISARM

2. Press **ENTER**. The following menu will be displayed:

ARM/DISARM PARTITION: 1

3. Enter the partition number to arm or disarm, e.g.: **2** and
4. Press **ENTER**. The following menu will be displayed:

ARM/DISARM AUTO: NO

5. Press the arrow key **▲** until the following menu is displayed:

ARM/DISARM AUTO: YES

6. Press **ENTER**, to activate automatic arming and disarming. The following menu will be displayed:

DAY: MONDAY

7. Using the arrow keys **▲** or **▼** select the day of the week to program Automatic Arming and disarming, e.g.:

DAY: TUESDAY

8. Press **ENTER**. The following menu will be displayed

FIRST PERIOD ARM MODE: AWAY

9. Using the arrow keys **▲** or **▼** select the Arming mode for the first period (**AWAY or STAY**).
10. Press **ENTER**. The following menu will be displayed:

ARM : DISARM: :

11. Enter the time, your system will automatically Arm and Disarm and press **ENTER**. The following menu will be displayed:

SECOND PERIOD ARM MODE: AWAY

12. Using the arrow keys **▲** or **▼** select the Arming mode for the first period (**AWAY or STAY**).
13. Press **ENTER**. The following menu will be displayed:

ARM: : DISARM: :

14. Enter the time, your system will automatically Arm and Disarm and press **ENTER**.

Using the above steps you may program automatic arming and disarming for all days of the week.


COMMENTS

- ▶ If you do not wish to program the second period of automatic arming or disarming, press twice the key **ENTER**, and the following day will be displayed.
- ▶ To delete the automatic Arming – Disarming time press **CLEAR**, in the relative menu.

Activating – Deactivating Automatic Arming

To activate or deactivate automatic arming and disarming without deleting the time schedule or the arming mode follow the above described procedure from steps 1 to 5. On the display the following message will be displayed:

ARM/DISARM - AUTO: ???

With the arrow key  select if the arming will be automatic or not and press **ENTER**.


Telephone Number Programming

With the following procedure user may add, edit or delete the “Follow me” telephone number of the security system.

Adding Telephone Numbers

To add the “Follow me”, telephone number Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

KEYPAD SETTINGS

1. Press consecutively the arrow key  until the following menu is displayed:

TELEPHONE PROGRAMMING

2. Press **ENTER**. The following menu will be displayed:

PHONE NUMBER:

3. Enter the telephone number you wish e.g.:

2 1 0 9 7 1 6 0 4 6

4. Press **ENTER**, to save your selection in memory.

Adding telephone number via EPABX

If the telephone line of the panel is not connected directly to city telephone network but there is an EPABX follow the bellow procedure. In menu:

TELEPHONE PROGRAMMING

1. Press **ENTER**. The following menu will be displayed:

PHONE NUMBER:

2. Enter the number that has to be dialed in order to connect to city telephone line (e.g.: **9**).
3. Press **STAY**.
4. Enter the desired telephone number, e.g.:
2 1 0 9 7 1 6 0 4 6
5. Press **ENTER**, to save your selection in memory.

Editing Telephone Numbers

To edit the “Follow me”, telephone number Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

TELEPHONE PROGRAMMING

1. Press **ENTER**. The programmed “Follow me” telephone number will be displayed, e.g.:

PHONE NUMBER: 2109716046

2. Press **CLEAR**, to delete telephone number.
3. Enter the new telephone number:
6 9 4 8 7 5 3 3 1 8
4. Press **ENTER**, to save your selection in memory.

Deleting Telephone Numbers

To delete the “Follow me”, telephone number Enter “KEYPAD SETTINGS”, as described in page 14, and use the arrow keys until you will see the following menu:

TELEPHONE PROGRAMMING

1. Press **ENTER**. The programmed “Follow me” telephone number will be displayed, e.g.:

PHONE NUMBER: 2109716046

2. Press **CLEAR** and **ENTER**, to delete the telephone number and save your selection in memory.

Programming Thermostat

All the Proteus keypads have a thermostat. The operation of the thermostat may be manual or automatic. This thermostat may be used to control Central heating or Air condition system. For any further information regarding this function please consult your installer.

Activating Thermostat Automatic operation

Using the following procedure user may activate or deactivate the automatic operation of the thermostat.

To activate Automatic operation of thermostat, please enter User Programing as described in page 14, and navigate to the menu:

KEYPAD SETTINGS

1. Press consecutively the arrow key **▼** until the following menu is displayed:

THERMOSTAT PROGRAMMING

2. Press **ENTER**. The following menu will be displayed:

THERMOSTAT AUTO FUNCTION

3. Press **ENTER**. The following menu will be displayed:

AUTO FUNCTION: DISABLED

4. Using the arrow keys **▲** or **▼** select:

AUTO FUNCTION ENABLED and press **ENTER**.

To deactivate thermostat automatic operation follow the bellow describe procedure.

Programming the thermostat Operation periods

The thermostat may have 5 different time periods of Automatic operation. In each period user may program different Time On or Time Off and also the temperature the thermostat will operate.

1. After activating the Automatic **Operation** of the thermostat, the following menu will be displayed:

PERIOD 1: : TO :

2. Enter the time you wish the thermostat to turn On and Off, e.g.: **09 : 00** to **15 : 30** and Press **ENTER**. The following menu will be displayed:

TEMPERATURE SETPOINT: 20° C

3. Enter the temperature, on which, the thermostat must turn off, e.g.: **22** °C and press **ENTER**.



COMMENTS

- ▶ Following the above described procedure you may program the remaining 4 thermostat automatic operation.
- ▶ If you do not wish to program more than one automatic operation periods, just press **ESC**, to exit programming.
- ▶ To delete an operation period press **CLEAR** & **ENTER**, when you are in the relative menu.
- ▶ All the above settings concern only the thermostat of the keypad we have used for programming.

Setting Temperature for thermostat Manual Operation

With the following procedure user may set the manual operation temperature of the thermostat. Navigate to the following menu:

THERMOSTAT PROGRAMMING

1. Press **ENTER**. The following menu will be displayed:

THERMOSTAT AUTO FUNCTION

2. Press the arrow key **▼** until the following menu is displayed:

MANUAL FUNCTION TEMPERATURE

3. Press **ENTER**. The following menu will be displayed:

TEMPERATRE SETPOINT: 20° C

4. Enter the temperature the termosta will turn off, e.g.: **2 2** °C and press **ENTER**.

Thermostat Calibration

Using the following procedure you may calibrate the thermostat of the keypad in reference to the ambient temperature.

The calibration must be performed 30 minutes after the power up of the system, and also the ambient temperature must be in normal levels (20 – 25 °C). Use a thermometer to measure the ambient temperature and then proceed to the calibration procedure:

Navigate to the following menu:

THERMOSTAT PROGRAMMING

1. Press **ENTER**. The following menu will be displayed:

THERMOSTAT AUTO FUNCTION

2. Press consecutively the arrow key **▼** until you see the menu:

THERMOSTAT CALIBRATION

3. Press **ENTER**. The following menu will be displayed:

TEMPERATURE OF ROOM : °C

4. Enter the temperature your thermometer has measured, e.g.: **2 3** °C and press **ENTER**.



SUGGESTION

To achieve more accurate temperature readings, user must perform thermostat calibration when ever there are major variations in the ambient temperature (spring, summer, autumn, winter).

Remote Access

In this section, is described the Downloading activation or deactivation as well as the arming or disarming of the system via Downloading or via DTMF or mobile phone (RTM). In factory default settings all the above functions are disabled, and they can be activated only via keypad.

Activating Downloading

By activating this function your installer is able to connect to your system to all the system functions, except arming and disarming. To activate Downloading enter User Programming Menu as described in page 14, and navigate to te menu:

KEYPAD SETTINGS

1. Press consecutively the arrow key ▼ until the following menu is displayed:

REMOTE (D.L) ARMING - DISARMING

2. Press ENTER. The following menu will be displayed:

D.L. PROCEDURE ENABLED

3. Press ENTER. The following menu will be displayed:

D.L.PROCEDURE DISABLED

4. Using the arrow keys ▲ or ▼ select:

D.L. PROCEDURE : ENABLED

5. Press ENTER. The following menu will be displayed:

ARM – DISARM: DISABLED

Activating Arming and Disarming via D.L.

With the following procedure user may activate or deactivate arming and disarming of the system via Downloading. To activate this function navigate to the menu:

REMOTE

1. Using the arrow keys ▲ or ▼ select:

ARM-DISARM: ENABLED

2. Press ENTER to save your selection in memory.

Activating RTM

RTM-01 is a device that connects to your system and enables the user to arm, disarm and control PROTEUS using a normal DTMF or mobile phone. The connection to your system is possible only if you can enter your user code. For further information please contact your installer. In order to activate this function navigate to the menu:

D.L PROCEDURE (Βλέπε page 37)

1. Press the arrow key  until the following menu is displayed:

RTM ACTIVATION

2. Press **ENTER**. The following menu will be displayed:

RTM: DISABLED

3. Using the arrow keys  or  select:

RTM: ENABLED and

4. Press **ENTER**, to save your selection in memory.



NOTE

- ▶ The activation of Arming-Disarming via D.L. is possible only if **D.L. PROCEDURE is ACTIVATED**
- ▶ To deactivate any of the functions mentioned above, use the same procedure you used when activating them.
- ▶ Any attempt for remote connection is recorded in the System log as an event (page 39).

Exit User Programming

Press the key **ESC**, for 2 seconds to exit User Programming. If the user does not press any key for 1 minute, the keypad will exit all menus and display initial Display message.

SYSTEM MONITORING

In section “**SYSTEM MONITORING**” user may:


- ▶ Display the Event log of the system.
- ▶ Display the Partitions Status.
- ▶ Display the zones Status.

- ▶ Display the battery voltage.
- ▶ Test the voice dialer.
- ▶ Display the Control panel and keypad firmware version.

Viewing System Event Log

The system has a memory of 300 events, such as: arming, disarming, alarm, power failure, low battery voltage e.t.c. All events are stored by date and time.

You can view system's events log using the following procedure:

1. From the initial displayed message press the arrow key  and the following menu will be displayed:

SYSTEM MONITORING


2. Press **ENTER**. The following menu will be displayed:

SYSTEM LOG


3. Press **ENTER**. The latest event of the system will be displayed as follows:

SAT 17 / 05 18:15 ARMED FROM CODE: 01

In the first line of the display you may see the date and time, the event occurred and in the second line a short description of the event.

4. Using the arrow key  user may view all events stored in the memory for the specific partition the keyboard belongs to.

NOTE

When viewing the last event, you select , the following message will be displayed: **END OF EVENTS LOG**. That means you are at the end of events log.

System's Events Log

The events stored in the system's memory can be viewed if the user selects the relative menu. In the bellow table you can see the various events and their description:

EVENT	EVENT DESCRIPTION
ARM-CODE: XX	Arming. In position XX is displayed the code number of the user code that armed the system.
STAY ARM	The system had been STAY Armed.
KEYSWITCH ARM: XX	KeySwitch or Wireless remote control Arming. The zone used as keyswitch is displayed in position XX .
QUICK ARM	The system is armed usaing Quick Code.
DISARM-CODE: XX	Disarm. In position XX is displayed the code number of the user code that disarmed the system.
KEYSWITCH DIS: XX	KeySwitch or Wireless remote control Disarming. The zone used as keyswitch is displayed in position XX .
DURESS DIS.	The system is disarmed using Duress Code.
AUTO ARM	The system is auto armed.
AYTOM. DISARM	The system is auto disarmed
AUTO ARM DELAY	The system was not armed on the programmed auto-arm time.
EARLY DISARMING	The system was disarmed before the programmed auto-disarm time.
BYPASS ZONE: XX	A Zone has been Bypassed. In position XX is indicated the Bypassed zone.
BYPASS REST.: XX	A Bypassed zone has restored to normal operation.

EVENT	EVENT DESCRIPTION
ZONE ALARM: XX	Alarm from zone. In position XX is displayed the zone number followed by the zone description.
FIRE ZONE AL.: XX	Alarm from fire zone. In position XX is displayed the zone number followed by the zone description.
ZONE RESTORE: XX	The zone in alarm has restored. In position XX is displayed the zone number followed by the zone description.
CANCEL CODE:XX	The alarm has been cancelled. In position XX is displayed the increasing number of the code that canceled the alarm.
ROBBERY, FIRE MEDICAL	The user has pressed any of the emergency keys.
KEYPAD TAMPER.:XX	When there is an attempt to disarm the system with invalid user code. In position XX is indicated the keypad address.
DETEC.TAMPER: XX RES. TAMPER: XX	The detector tamper has been triggered or has been restored to normal. In position XX is displayed the zone of the detector.
PERIP.LOSS: XX PER.RESTORE.: XX	There is problem in communication with a peripheral device. Communication with peripheral device is restored. In position XX is indicated the keypad or expander address.
FIRE TROUBLE: XX FIRE DET.RESET: XX	Fire detector line failure. Fire detector line is restored. In position XX is indicated the zone number.
SIREN FAILURE SIREN RESTORE	There is failure in siren's power line. The failure in siren's power line is restored.
POWER LINE FAILURE	There is power line failure.
POWER LINE RESTORE	Power line is restored.
LOW BATTERY	The battery voltage is low.

BATTERY RESTORE	The battery voltage has restored to normal.
FUSES FAILURE	There are one or more blown fuses in the system main board.
EVENT	EVENT DESCRIPTION
FUSES RESTORE.	The blown fuse has been replaced.
PHONE LINE FAIL.	Phone Line Failure.
PHONE LINE REST.	Phone Line Failure Restoration.
ARM - REMOTE	The system is armed via Downloading or via RTM-1 .
DISARM - REMOTE	The system is disarmed via Downloading or via RTM-1 .
DL PROGRAMMING	The system has been programmed via Downloading.
START PROGRAMMING	Start of programming the system via Downloading.
END PROGRAMMING	End of programming the system via Downloading.
CS COMMUN/TION	The system has communicated successfully with the Central Monitoring Station.
COMMUN.FAULT	The system has failed to communicate with the Central Monitoring station
EVENT DELETION	The installer has cleared all event memory.

Partition Status

In this menu user may see all partitions of the system as well as their status (armed, disarmed, e.t.c.). To view partition status, when being in “**SYSTEM MONITORING**” menu (page 39) select:

SYSTEM LOG

1. Press the arrow key  until the following menu is displayed:

PARTITION STATUS

2. Press **ENTER**. The following menu will be displayed:

PARTS : 1 2 3 4 P
ARMED: A D S 1

In this displayed menu user may see:

- ▶ In the first line the numbers **1-4**, that, correspond to the 4 partitions of the system. In the second line, under the partition number user may see the partition status, indicated by the letters **A**, **S** and **D**. Where:

A: AWAY armed

S: STAY armed

D: Disarmed

If a user code does not have access to a specific partition then this partition has no indication under the partition number.


- ▶ The number under the letter **"P"** indicates the partition the relative keypad belongs to.
- ▶ There is a cursor blinking on the current partition number.

Zones Status

In this menu user may view status and description of the zones of the system, as follows:

When being in **"SYSTEM MONITORING"** menu (page 39) select:

ZONE STATUS



1. Press consecutively the arrow key  until the following menu is displayed:

ZONES STATUS

2. Press **ENTER**. The following menu will be displayed:

ZONE: 01 OPEN DELAY


In the first line of the display is displayed the 1st zone of the system with the indication **“OPEN”** or **“CLOSED”**. In the second line is displayed the description of the specific zone.

3. Using the arrow keys  or  you may view all zones status, one after the other. To view a specific zone, just enter the zone number.


Testing the battery voltage

To test the system's battery voltage follow the bellow described procedure. When being in **“SYSTEM MONITORING”** menu (page 39) select:

SYSTEM LOG

1. Press consecutively the arrow key  until the following menu is displayed:


BATTERY TEST

2. Press . On the display you will see the current battery voltage:

BATTERY VOLTAGE: 13,8V




NOTE

You may also test the battery's voltage while being in the initiald Display of the keypad by touching the key  for 2 seconds.

Testing Voice Dialer

To test the operation of the system's dialer when in **“SYSTEM MONITORING”** (page 39) navigate to the menu:

SYSTEM LOG

1. Press consecutively the arrow key  until the following menu is displayed:

DIALLER TEST

2. Press . The following menu will be displayed:

TYPE CODE & [ENTER]

3. Enter your user code and press **ENTER**. The dialer of the system will dial up the Callback telephone number that is stored in the system's memory.

The dialer will hang up as soon as it will dial the telephone number. If you wish to cancel this test, just enter your user code and **ENTER**.



NOTE

- ▶ In case there is no telephone number set in memory, then the dialler will not operate and the following message will be displayed:

PLEASE PROGRAM THE PHONE NUMBER

- ▶ In case the buzzer sounds continuously and the following message is displayed:

TELEPHONE LINE FAILURE

To silence the buzzer, just press any key and make sure that you restore telephone line.

Downloading Direct Connection

This procedure is used so the installer may connect directly to the system and perform Downloading. In this case when being in **"SYSTEM MONITORING" menu** (page 39) select:

SYSTEM LOG

1. Press consecutively the arrow key **▼** until the following menu is displayed:

LOCAL UP/DOWNLOAD

2. Press **ENTER** to start connection.

System Information

To see the firmware version of the control panel and the keypad, when being in **"SYSTEM MONITORING" menu** (page 39), select:

SYSTEM LOG

3. Press consecutively the arrow key **▼** until the following menu is displayed:

SYSTEM INFO

4. Press **ENTER**. The following message will be displayed:

PROTEUS 80: v ? ? KEYPAD 80: v ? ?

Where, you may see all relative information.

SYSTEM OPERATION

In the following section you may find all the necessary actions and commands for the proper operation and use of the system. Also you may find explanation and use of all the intelligent functions of the system.

Intelligent Arming Management

Proteus can be armed AWAY or STAY with the use of a single key. Also it can change arming mode from STAY without entry delay time to STAY with entry delay time, or from STAY arming to AWAY Arming without having to be disarmed by using the intelligent function **All Day Secure**.

All Day Secure (ADS) Function

Most of the security systems of the market operate generally, as follows:

- ▶ User arms AWAY the system when he leaves the protected area and disarms the system when he returns.
- ▶ When the user stays in the protected area he uses STAY arming, and the system is perimetrically protected.
- ▶ If the system is STAY armed and the user wishes to exit the protected area even for a short time and return in again, he needs **to disarm the system and then rearm it in STAY mode when he returns back in.**
- ▶ Επίσης, όταν έχετε περιμετρική όπλιση και θέλετε να φύγετε από το χώρο και να κάνετε πλήρη όπλιση, **πρέπει πρώτα να αφοπλίσετε το σύστημα και στη συνέχεια να κάνετε πλήρη όπλιση.**

The solution in all the above complicated procedures is the **the intelligent function All Day Secure**, introduced exclusively by **Sigma Technologies** in control panel **PROTEUS**, which can **be permanently armed** and at the same time enables the user to change arming mode and exit the protected area and reenter after a short time without the need to disarm

the system. User only has to press **STAY & ENTER**, to arm the system in **STAY** mode, **and the system operates automatically.**

Explaining All Day Secure function

All Day Secure function permits you to move freely in the protected area and also **exit the protected area and re-enter, without disarming your system.** Also you may open a door or a window without the system being disarmed.

Use magnetic contacts to protect the windows and window blinds. Use outdoor detectors or IR beams to protect perimeter of the protected area. The zone protecting door or window is assigned as interior and the zone protecting the perimeter is assigned as outdoor. Together they form **Special Pair of Zones**, which operate as follows:

- ▶ When the two zones of the Special Pair are unbalanced, the system will not arm.
- ▶ When the two zones of the special pair are balanced, the system is armed, and the outdoor zone “opens” first, there will be triggered an alarm.
- ▶ If during arming one of the zones of the pair is unbalanced, then it is automatically bypassed. If the balanced zone of the pair “opens” then the system will trigger an alarm. If the bypassed zone is balanced later during the arming cycle, then it becomes automatically enabled.
- ▶ You may open a door or a window, **without disarming the system.** The system will activate the outdoor zone after 30 seconds. If this zone is breached, the system will instantly trigger an alarm.
- ▶ To exit the protected area from a door with blind protected with 2 magnetic contacts, just open both within 30 seconds, **without disarming the system.** If you leave both open you may enter and exit as many times as you wish. If you wish to stay in the protected area close them both and then both zones will be enabled and armed. You may “close” only the door, and after 30 seconds the zone protecting the blind will be bypassed while the zone protecting the door will be enabled. If this zone is breached, the system will instantly trigger an alarm.

- ▶ To exit a protected area that is protected with Outdoor dual technology detector or IR beam detector, **you do not need to disarm the system**. Open the door programmed as pair with the detector and step out. As soon as the detector detects you (this must be done with 30 seconds) both zones will be automatically bypassed. Then you may enter and exit as many times as you wish. When you wish to stay in the protected area just “close” the door. Both zones will be automatically enabled again.
- ▶ If you wish to exit protected area and AWAY arm the system, **you do not need to disarm your system**. Press **ARM & ENTER** and exit the protected area. The system will count exit delay and then it **will change from STAY arming to AWAY arming**.
- ▶ If you wish to exit the protected area, but to leave the system STAY armed **it is not necessary to disarm it**. Just press the key **BYPASS** and exit the protected area. The system will count exit delay and then it will **arm STAY with entry delay** automatically.
- ▶ When the system is AWAY armed, enter the protected area from a delay zone and enter User **[CODE] STAY & ENTER**. The system **will change, automatically, from AWAY to STAY arming**.
- ▶ To disarm the system while you are in the protected area, press **STAY & ENTER**. **This procedure is followed when there is an alarm or if a zone is unbalanced and the alarm procedure has started**. In this case, in order to disarm the system enter your User **[CODE]** and press **ENTER**.

Intelligent exit Time Management (ITM)

Your system has intelligent time management functions so you may avoid unnecessary actions and at the same time achieve maximum security. The intelligent time management functions are described bellow:

1. Automatic exit Time Reduction (ATR)

Your installer may program extensive exit delay, as per your request, so you may exit the protected area at your convenience. After you exit the protected area the system will automatically decrease the exit delay to 4 seconds and then arm.

2. Exit Time Extension (ETE)

In case you wish to extend exit delay time, **there is no need to disarm the system**, just press **BYPASS**, and the exit delay will start

counting again. **This function can be repeated 3 times per arming cycle.**

Arming Modes

Arming and disarming of the system can be done using the following methods:

- ▶ **By using the keypad** of the system and entering any valid user code.
- ▶ **By using RFID Card or keyfob**, if there is an RFID keypad connected to the system.
- ▶ **Automatic Arming and Disarming** on specific days of the week and on specific time.
- ▶ Using valid User Code by any DTMF phone (you will need optional unit **RTM-1**).
- ▶ Using **SMS** or unanswered calls, **by preprogrammed telephone numbers**, (you will need optional device **ORION**).

Arming Modes

The system may be armed as follows:

- ▶ **AWAY Arming:** The system is armed and the user leaves the protected area.
- ▶ **AWAY Arming with Bypassed zones:** The system is armed and user leaves the protected area, but there are zones bypassed.
- ▶ **AWAY Arming with GROUP Bypass:** The system is armed and user leaves the protected area but there is a Group of Zones bypassed. This group of zones is predefined.
- ▶ **STAY Arming:** The system is armed perimetricaly and user stays in the protected area.
- ▶ **STAY Arming with zones bypassed:** The system is armed perimetricaly and user stays in the protected area, but there are zones bypassed.
- ▶ **STAY Arming with Group Bypass:** The system is armed perimetricaly and user stays in the protected area, but there is a group of zones bypassed.
- ▶ **All Day Secure (ADS):** The system is armed perimetricaly (STAY ARMED) and user stays in the protected area. In this case the user

may move in the protected area and also exit from the main door or any other auxiliary entry-exit door without disarming the system. The entry-exit zones must be preprogrammed by the installer.

Please be aware before arming your system

You may arm the system when the initial message is displayed (Company Name). Each time you arm your system you must follow the bellow procedure:

- ▶ Close all doors and windows firmly. When all zones are balanced the Company name will be displayed.
- ▶ If there are open doors or windows on the keypad will be displayed all, the open zones one after the other, or the following message will be displayed: **UNBALANCED ZONES**.
- ▶ To view the unbalanced zones press the key **ZONE**. All the unbalanced zones will be displayed one after the other. To exit press again the same key.
- ▶ Close all doors and windows. As soon as all zones are balanced the following message will be displayed: **ALL ZONES ARE BALLANCED**
- ▶ If you are the system and you do not BYPASS unbalanced zones then the system will react as follows, depending on the engineer:
 1. There will be alarm triggered by the unbalanced zones.
 2. The system will automatically bypass the unbalanced zones after the exit delay time ends. In this case we will have the following options:
 - During STAY arming the buzzer of the keypad will sound and the following message will be displayed:
STAY ARMED WITH ZONES BYPASSED,
 - During AWAY arming the buzzer of the keypad will sound 3 times and also the siren will sound. The following message will be displayed on the keypad:
ARMED WITH ZONES BYPASSED,
 3. During arming the buzzer of the keypad will sound after the exit delay ends and all unbalanced zones will be automatically bypassed.
 4. During arming the buzzer of the keypad will sound after the exit delay ends and all unbalanced zones will be automatically

bypassed. In this case if during the arming cycle any of the bypassed zones is balanced then they will also be armed (FORCED ARM).

- ▶ LED **"READY"** must be on in Green or Orange color. **When the Led "READY" is red** the system will operate in the following way:

1. If unbalanced zones can affect arming, then, the system will not arm.
2. If unbalanced zones do not affect arming, then the system will arm and also bypass all unbalanced zones or there will be an alarm (depends on system programming). You must balance all zones before arming your system.

- ▶ The LED **"TROUBLE"** must be "Off". If it is "On" then there is a problem in your system (e.g.: Phone line failure, low battery, power loss). All problems must be restored before arming your system. Please contact your installer if this is necessary.

If the LED **"TROUBLE"** is "On" and you arm the system, after pressing **ENTER**, the keypad's buzzer will sound and then, the following message will be displayed:

ATTENTION! TROUBLE, and then the trouble even will be displayed, e.g.: **POWER LINE FAILURE** and then the exit delay will start counting.

AWAY Arming

This arming mode is used when user leaves the protected area. AWAY arming of the system may be done with the following 3 methods:

1. Arm the system using user code

Enter User **[CODE]** and press **ENTER**.

2. Quick Arming

In order to **Quick Arm** the system without entering your user code, press: **ARM & ENTER**

(The key **ARM** must be activated).

3. Arming with RFID Card or Keyfob

Approach your RFID Card or key fob to the keypad (near the RFID icon). There will be a short sound (beep) and the following message will be displayed: **ARMED**. Remove your RFID Card or key fob

from the keypad.

Then, regardless the method you used, the arming of the system will start, as follows:

1. The LED “**ARM**” turns red and the following message will be displayed:

ARMED IN ?? SECONDS

2. Then the exit delay starts counting and during this period the buzzer sounds intermittently.
3. **Ten seconds before the exit delay ends the buzzer sound is more frequent**, to remind you to leave the protected area.
4. Leave the protected area and close the exit door. The system will arm after the exit delay ends and the following message will be displayed:

SYSTEM ARMED



NOTE

In case you wish to extend the exit delay time, **without disarming your system**, just press key **BYPASS**, and the exit delay will restart counting.

System STAY Arming

This arming mode is used when you wish to parametrically arm your system and at the same time to move freely in the protected area. The perimeter zones (doors, windows e.t.c) arm and all interior zones (PIR detectors e.t.c) are automatically bypassed. STAY arming is done in using the following two methods:

1. STAY arming with no delay time

To STAY arm your system without entry or exit delay, press **STAY** & **ENTER** (the key **STAY** must be activated). The LED “**ARM**” will turn orange and the following message will be displayed: **STAY ARMED**

All delay zones will react as direct zones and at the same time all entry and exit delay times will be cancelled.

2. STAY arming with Entry Delay

In the bellow described arming modes, **the entry delay is enabled** and user may enter the protected area and disarm the system. This arming mode must be enables by your installer (**enable AUTO STAY**) and cannot be done if a delay zone is bypassed or disabled.

To STAY arm the system but also activate entry delay, follow the bellow procedure:

- **ARM & ENTER** or
- **[USER CODE]** and **ENTER** or
- Arm the system using RFID Card or key fob

The arming procedure starts as follows:

1. LED **"ARM"** turns on Red and the following message is displayed:

ARMED IN ?? SECONDS

2. Then the exit delay starts counting and during this period the buzzer sounds intermittently.
3. **Ten seconds before the exit delay ends the buzzer sound is more frequent**, to remind you to leave the protected area.

4. When the exit delay ends and **if no delay zone "opens"**, the system is armed. The LED **"ARM"** turns blinking red and the following message is displayed: **STAY-DELAY**

ARMED

Changing Arming mode in STAY arming

When is STAY Arming, you may change arming mode

From **STAY ARMED** to **STAY-DELAY ARMED**

And vice versa, by pressing for 2 seconds the key **STAY**. In every change, there is a different message in the keyboard's display and the LED **"ARM"** changing from steady Orange to blinking Orange.

Changing from STAY Arming to AWAY Arming

When the system is STAY armed you may exit the protected area and change the arm mode from STAY to AWAY without disarming it. In order to do so the key **ARM** must be enabled. The procedure is as follows:

1. Press: **ARM & ENTER**.

2. The LED “ARM” will turn red and the exit delay starts counting and during this period the buzzer sounds intermittently.
3. As soon as the exit delay ends the system will arm AWAY and then, the following message will be displayed: **SYSTEM ARMED**

Temporarily Canceling STAY Arming

When the system is STAY armed you may exit the protected area, without disarming it, **by temporarily canceling STAY arming** as follows:

1. Press the key **BYPASS** for 2 seconds.
2. The exit delay starts counting and during this period the buzzer sounds intermittently.
3. When the exit delay ends, the system is STAY armed with entry delay. The LED “ARM” is blinking Orange and the following message is displayed: **STAY-DELAY ARMED**

After you exit the protected area using the above method with key **BYPASS**, you may re-enter at any time and **disarm the system using your User code or an RFID card**.

Arming the system with Zones Bypassed

This arming mode enables you to arm your system and at the same time bypass any zones). When arming the system with zones bypassed please be aware of the following:

- ▶ Be very careful if you bypass zones. **The bypassed zones do not trigger alarm if they are unbalanced.**
- ▶ Όπλιση με ζώνες BYPASS μπορούν να κάνουν μόνον οι χρήστες εκείνοι των οποίων οι CODEί έχουν αυτή τη δυνατότητα. Αν χρησιμοποιήσετε κωδικό ο οποίος δεν έχει τη δυνατότητα να κάνει ζώνες Bypass, **το σύστημα δεν θα οπλίσει**, θα ηχήσει προειδοποιητικά ο βομβητής και στην οθόνη θα εμφανισθεί το μήνυμα:

CODE NOT ACCEPTED

Repeat the procedure by entering the correct user code.

- ▶ If any of the zones you try to bypass, does not belong to the

partition you are arming, **the system will not arm** and the following message will be displayed: **ZONE NOT ACCEPTED**

In this case you must repeat the procedure without bypassing the specific zone.

- ▶ If you made a mistake in a zone number press **CLEAR** to clear the display and start again.

Arming the system with zones Bypassed may be done as follows:

A. AWAY Arming and selection of zoned to be Bypassed

1. Enter User **[CODE]** and press the key **BYPASS**.

The following message will be displayed: **ZONES BYPASS**

2. Enter the zone numbers you wish to bypass (e.g. to bypass zones **1** and **12** press: **0 1 1 2**). The zones you have selected to bypass are displayed in the second line of the display.
3. Press **ENTER**.

B. AWAY arming with Zone Group Bypass

Using this arming mode you may arm your system and bypass, more than one, zones simultaneously (Group Bypass), without having to type zone numbers. The zones of the Group are programmed by your installer.

1. Enter User **[CODE]** and press the key **BYPASS**.
2. Press **ENTER**. The system will arm and automatically bypass all unbalanced zones of the group.

The arming procedure, regardless the method you used, will start immediately, as follows:

- ▶ LED **"ARM"** will turn red and the following message will be displayed: **ATTENTION BYPASS ZONES** and the exit delay will start counting.
- ▶ When the exit delay ends system arms and the following message is displayed: **ARMED WITH ZONES BYPASSED**

F. STAY Arming and selection of zoned to be Bypassed

1. Enter User **[CODE]** and press the key **BYPASS**. The following

message will be displayed: **BYPASS ZONES**

2. Enter the zone numbers you wish to bypass (e.g. to bypass zones **1** and **12** press: **0 1 1 2**). The zones you have selected to bypass are displayed in the second line of the display.

3. Press **STAY** & **ENTER**.

System will arm and the LED “**ARM**” will turn Orange and then, the following message will be displayed:

STAY-BYPASS ARMED

Δ. STAY Arming with Zones Group Bypass

1. Enter User **[CODE]** and press **BYPASS**.

2. Press **STAY** & **ENTER**.

System will arm and the LED “**ARM**” will turn Orange and then, the following message will be displayed:

STAY-BYPASS ARMED

Arming with Zones Bypassed

If you have bypassed any zones using the above described method, then you may arm your system and at the same time bypass these zones as follows:

Enter User **[CODE]** & **ENTER**. The following message will be displayed:

ATTENTION BYPASS ZONES and the system will arm.

Temporarily Bypassing Zones

To temporarily bypass selected zones, **without arming the system**, follow the bellow procedure:

1. Enter User **[CODE]** and press the key **BYPASS**. The following message will be displayed: **BYPASS ZONES**

2. Enter the zone numbers you wish to bypass (e.g. to bypass zones **1** and **12** press: **0 1 1 2**). The zones you have selected to bypass are displayed in the second line of the display.

3. Press again the key **BYPASS**. The following message will be displayed:

ZONE(S) BYPASSED

Viewing Bypassed Zones

To view which zones are Bypassed:

1. Press continuously the key **BYPASS** for 2 seconds.

The following message will be displayed: **TYPE CODE & [ENTER]**

2. Enter User Code and press **ENTER**. All the bypassed zones will be displayed on the LCD Display.
 - ▶ To view the description of a zone navigate using the arrow keys **▲** or **▼** on the zone number. The zone description will be displayed in the first line of the display.
 - ▶ If there are no Bypassed zones, the following message will be displayed:

THERE ARE NO BYPASSED ZONES

Restoring Bypassed Zones

To restore all bypassed zones, follow the bellow procedure:

- ▶ **[USER CODE] BYPASS & BYPASS**.

You will hear a confirmation sound from the keypad and then the following message will be displayed: **ZONE(S) ARE ACTIVE**

Also, all zones that have been Bypassed, **are restored as soon as the system is disarmed.**

System Disarming

1. Disarming the system from AWAY Arming

To disarm the system when it is AWAY armed, follow the bellow procedure:

- ▶ Enter the protected area from a delay zone. The buzzer will start sounding, and the entry delay time will be displayed in the keypad's display. **Ten seconds before entry delay ends the sound of the buzzer will be more frequent to remind you to disarm your system.**
- ▶ Enter User **[CODE] & ENTER**.

- ▶ The LED “ARM” will turn Green and the following message will be displayed: **SYSTEM DISARMED WELCOME**

2. Disarming the system from STAY Arming

- ▶ Enter User **[CODE]** & **ENTER** or
- ▶ Press **STAY** & **ENTER** (The function disarming with key **STAY** must be activated).
- ▶ The LED “ARM” will turn Green and the following message will be displayed: **SYSTEM DISARMED WELCOME**

3. Disarming the system with RFID Card or key fob

- ▶ Approach the RFID Card of keyfob to the keypad. You will hear a detection sound (beep) and the following message will be displayed: **DISARM**.
- ▶ Remove the RFID Card or keyfob from the keypad.
- ▶ The LED “ARM” will turn Green and the following message will be displayed: **SYSTEM DISARMED WELCOME**

4. Duress Disarming

To disarm the system when you are under direct threat, press:

- ▶ **[DURESS User Code]** & **ENTER**

The system will be disarmed and it will call the Central monitoring station transmitting a Duress Disarmed event (silent panic alarm). The LED “ARM” will turn Green and the following message will be displayed:

SYSTEM DISARMED WELCOME

NOTE

If you enter a wrong user code you may try again. **In case you enter a false code 4 times the keypad will lock for 15 seconds** and, if your system is monitored by a Central Monitoring Station it will transmit an event indicating there was a false attempt to disarm the system with the wrong code.

Canceling Alarms

When there is an alarm, the siren of the system will sound continuously and the following message will be displayed in all the partition keypads:

ALARM - ZONE ? ? & "Description of the zone"

And then the following: **TYPE CODE & ENTER**.

While, if the alarm is triggered by a Fire Zone, the siren will sound intermittently and the following message will be displayed:

FIRE - ZONE ? ? & "Description of the zone"

And then the following: **TYPE CODE & ENTER**.

- ▶ Enter User **[CODE]** & press **ENTER** or
- ▶ Use your RFID Card or key fob

The system will disarm, the sirens will silence, and the voice dialer will hang up. The digital communicator will report the relative events to the Central Monitoring Station.

Viewing Events during Disarming

If, an event occurs, during the arming period (alarm, power failure e.t.c.) as soon as user disarms the system the following message will be displayed:

SYSTEM DISARMED WELCOME

Also the buzzer will sound and the following messages will be displayed:

ATTENTION! TROUBLE and **PRESS ENTER TO VIEW EVENTS**

- ▶ Press **ENTER** and use the arrow key **▼** to view all events by date and time they occurred
- ▶ Or, press **ESC**, to return to initial display.

Automatic Arming and Disarming of the system

Your system has the ability to arm or disarm automatically in pre-programmed time and days of the week. When the system automatically arms:

1. The buzzer of all keypads will sound indicating the exit delay starts counting (4 minutes).
2. In the display of all the keypads you will see the exit delay counting. During exit delay you may leave the protected area or postpone automatic arming.

3. When the exit delay ends the system will arm and automatically bypass any unbalanced zones.

Canceling Auto Arming

To cancel auto arming:

- ▶ Enter **[USER CODE] & ENTER**, during the exit delay of automatic arming. The following message will be displayed: **SYSTEM**

DISARMED WELCOME

Temporarily Canceling Auto Arming

To temporarily cancel auto arming:

1. Enter User **[CODE] & STAY**, during the exit delay of auto arming. The following message will be displayed:

NEXT AUTO ARM IN 01 MINUTES

2. Enter the time you wish to restart auto arming (from 01-99 minutes) and then **ENTER**.

Auto arming will be postponed for the time you had entered.

You may cancel or temporarily cancel Auto arming in any partition as soon as you enter it.

Operating the system with partitions

The system may be programmed to operate in 4 fully independent partitions. Each partition may operate the same way as a single.

Each keypad must be programmed to belong to one of the 4 partitions, but a user may control all 4 partitions depending on this access level.

Changing Partition

In case the system operates in more than one partition, you may control all partitions, from the keypad of your partition, if your user code has access rights to do so. To do this, follow the bellow procedure:

1. Enter User code and press **PART**. The following message will be displayed:

TYPE PART NUMBER 1 & ENTER

2. Enter the partition number (e.g. 2) and press **ENTER**. If your user code has the authority to change partition, then, the following menu will be displayed:

ACTIVE PARTITION 2

If your user code does not have the authority to change partition then the following message will be displayed and also keypad's buzzer will provide an error sound:

CODE NOT ACCEPTED

Repeat the above mentioned procedure using a valid user code.

After, entering, a new partition, in your keypad is displayed the status of this partition (arming status, power, battery, zone's status). Also you may arm or disarm the system but, you cannot program the system.

! NOTE

- Keypad can return to partition 1 using the same procedure or automatically 1 minute after the last key stroke.

Selective Arming & Disarming of Partitions

In case the system operates in more than one partition, user may arm or disarm one or more partitions at the same. The user must have the authority to use the following command and also, follow the bellow procedure.

1. Enter your user code and press **ARM**. The following menu will be displayed:

PARTITIONS: 1 2 3 4
A A D S

2. Select the partitions you wish to arm or disarm pressing consecutively the keys (numbers) that correspond to the relative partition (**1** for partition 1, **2** for partition 2 e.t.c.). Any time you press the relative key, changes the arming mode of the relative partition (**A**=Away, **S**=Stay or **D**=Disarmed).
3. After selecting partitions and arming mode, press **ENTER**. The LED "ARM" will change status and the system will arm or disarm, as per your command.

Simoultaneous arming or disarming of all partitions using User Code

To arm or disarm all partitions of the system simultaneously, forlow the bellow procedure:

1. Enter User code and press consecutively the key **ARM**. Every time you press the key **ARM** the partitions will be displayed and bellow each partition number a symbol indicating the status of each partition (A=Armed, D=Disarmed, S=Stay armed).
2. Press **ENTER**.

Simultaneous Arming of all partitions with RFID Card or Key fob

User may arm or disarm, all partitions he can control, simoultaneously using his RFID Card or keyfob. To do this, follow the bellow procedure:

A. Arming

1. Approach the RFID Card of keyfob to the keypad. You will hear a detection sound (beep) and the following message will be displayed:

ARMED

2. Keep the RFID Card or keyfob in proximity to the keypad, until the following message is displayed:

ARM ALL PARTITIONS

3. Remove the RFID Card of keyfob from the keypad. The LED "ARM" will turn red or orange, depending on the arming mode, and then, the following message will be displayed:

ALL PARTITIONS ARE ARMED

B. Disarming

1. Approach the RFID Card of keyfob to the keypad. You will hear a detection sound (beep) and the following message will be displayed:

DISARM

2. Keep the RFID Card or keyfob in proximity to the keypad, until the following message is displayed:

ARM ALL PARTITIONS

3. Keep the RFID Card or keyfob in proximity to the keypad, until the following message is displayed:

DISARM ALL PARTITIONS

4. Remove the RFID Card or keyfob from the keypad. The LED "ARM" will turn green and then, the following message will be displayed:

ALL PARTITIONS ARE DISARMED

Cancelling Alarms in more than one Partitions

When the system operates in more than one partition:

- The keypads of the partition in alarm will display the following message:

ALARM - ZONE ?? & "Zone Description"

And then: **TYPE CODE & ENTER**

The following message will be displayed: **ALARM FROM PART ?**

And, then: **TYPE CODE & ENTER**

You may cancel the alarm as follows:

- ▶ Enter user **[CODE] & ENTER** or
- ▶ Use your RFID Card or key fob

In case of disarming from a partition's keypad, will silence the sirens and the voice dialer will stop operating, but the digital communicator will report the events to the Central Monitoring Station.

In case of disarming from **a keypad belonging to a different partition**, will silence the sirens and the voice dialer will continue. Voice dialer and Digital communicator of the system will operate as normal and report the alarm.

Cancelling Alarm from Fire Zone

In case of alarm from a fire zone the siren will sound intermittently and the following indications will be displayed:

- The keypads of the partition in alarm will display the following message:

FIRE - ZONE ? ? & "Zone description"

- The keypads of the other partitions will display the following message:

FIRE - PART ?

The fire alarm may be canceled with the 2 following methods:

- ▶ Enter User **[CODE]** & **ENTER** or
- ▶ Use your RFID Card or Keyfob

In case of disarming from a partition's keypad, will silence the sirens and the voice dialer will stop operating, but the digital communicator will report the events to the Central Monitoring Station.

In case of disarming from a **keypad belonging to a different partition**, will silence the sirens and the voice dialer will continue. Voice dialer and Digital communicator of the system will operate as normal and report the alarm.

Fire Detectors Reset

To reset Fire detectors after a Fire alarm keep pressed the key **CLEAR** for 2 seconds.

Emergency Alarm (Fire, Panic or Medical Assistance)


The system can transmit emergency events to a Central Monitoring Station, in case user is under threat or needs medical assistance, or in case of fire in the protected area.

- ▶ In case of fire, press simultaneously for 2 seconds the keys **1** and **3**.
- ▶ In case of robbery, press simultaneously for 2 seconds the keys **4** and **6**.
- ▶ In case you need Medical Assistance press simultaneously for 2 seconds the keys, **7** and **9**.
- ▶ Every time you execute any of the above actions the following message is displayed: **THE COMMAND WAS EXECUTED**
- ▶ To cancel any of the above actions enter user code and press **ENTER**.

Thermostat operation


Every keypad has a built-in thermostat which can be used to control central heating or air-condition systems. The thermostat operation can be programmed as well as its period of operation.

The thermostat is activated when the area temperature is lower or equal to the pre-programmed value and stops when the temperature is 1°C higher.

During the thermostat operation, when temperature is lower than the pre-programmed value the indication  is displayed, indicating the thermostat is active.


The thermostat operates in the following two modes:

1. Manual Operation:

To activate the thermostat press constantly the arrow key , until the following message is displayed:

THERMOSTAT ON - MANUAL

The area temperature and the indication **MAN** (Manual) is displayed during the thermostat's period of operation.


To turn off the thermostat press constantly the arrow key , until the following message is displayed:


THERMOSTAT OFF - MANUAL

2. Automatic Operation:

The thermostat turns on and off automatically on the pre-programmed time of the day. The thermostat programming procedure is described in pages 34 - 35.

The area temperature and the indication **MAN** (Manual) is displayed during the thermostat's period of operation.

To turn off the thermostat press constantly the arrow key , until the following message is displayed: **THERMOSTAT OFF - AUTO**

To activate again, automatic operation, press constantly the arrow key , until the following message is displayed:

THERMOSTAT ON - AUTO

Activating Chime

If you wish to monitor an entrance or door of the protected area, **when the system is disarmed**, you may activate the Chime function. Chime function can be enabled or disabled independently on each keypad. When Chime function is on and a **zone that has enabled chime function gets unbalanced**, the buzzer of the keypad will sound for a few seconds.

Activation

- ▶ To activate Chime operation press constantly the key **ZONE**, until the following message is displayed:

CHIME ENABLED

Deactivation

- ▶ To deactivate Chime operation press constantly the key **ZONE**, until the following message is displayed:

CHIME DISABLED

Activating PGM via keypad

The system enables you to activate 3 separate programmable outputs, just by pressing the keys **2**, **5** or **8**, for 3 seconds. You may use these outputs to activate any connected device (turn on lights, open a door with electric bolt e.t.c.) For any further information please ask your installer to inform you and program the relative outputs.

Testing Sirens

To test sirens of the system keep pressed the keys **▼** & **ENTER**. Remove your fingers to terminate Siren test.

Testing the Zones Operation (Walk Test)

A simple method to test zone operation is the following:

1. Press the key **ZONE**.

- ▶ When there are no unbalanced zones the following message will be displayed:

ALL ZONES ARE BALLANCED

- ▶ When there are unbalanced zones the first unbalanced zone will be displayed as follows:

ZONE: 01 UNBALLANCED DELAY

2. Move in front of all detectors, one by one and check all magnetic contacts, by opening doors and windows of the protected area, one by one. **Do not test more than one detector or magnetic contacts at the same time.** When a zone is unbalanced you will hear a warning sound from the keypad. Also the relative unbalanced zone will be displayed.
3. To exit walk test and return to normal display press the key **[ZONE]**.

Report in case of Power Failure (220VAC)

In case of power failure (**220 VAC**), for a specific period of time (programmed by your installer) the system will call the **"FOLLOW ME"** telephone number and report using an intermident sound. If you use the optional device VSM-02 or RTM-02, then you will hear a voice message indicating Power failure as well as the protected area address. This way you may avoid unpleasant situation due to power failure.

When Power is restored the system will report Power Restoration again using the same method.

Instructions for the correct operation of the Security System

Level of security provided by a security system depends on **the proper selection and installation of devices as well as on the correct maintenance.**

You security system, as any electronic device, **must be regularly checkjed and be maintained.** Also user must follow user instructions. We suggest you perform the bellow actions on your system at least once per month. Pleasew follow the bellow instructions:

- ▶ Call the Central Monitoring Station that monitors your system and notify them that you are going to perform test.
- ▶ Away Arm your system as described in the relative section of this manual. As soon as exit delay ends, open your entrance door (usually this is the delay zone of the system). As soon as the entry delay ends the siren will sound. Disarm your system by entering User **[CODE]** & **ENTER**, to silence the siren. This method tests the system, siren, and delay zone.
- ▶ You may perform the above described method to test all the detectors and sensors of your system one by one.
- ▶ **Test the sirens of the system periodically.** You can test the sirens by pressing simultaneously the keys **▼** & **ENTER**. The sirens will sound for the period of time you keep these keys pressed. The sirens will stop sounding as soon as you release the keys.
- ▶ Test your battery voltage by pressing the key **0** for 2 seconds. On the display you will see the battery voltage (Normal value: 13.5 ~ 13.8V).
- ▶ Inform the Central Monitoring Station that you have finished testing and all new events will be valid.

Instructions for Security System Maintenance

To ensure proper operation of your security system according to security and safety specifications you need to sign a contract with your installer. Your installer will be then responsible for the proper maintenance of your security System according to the following time schedule:

- ▶ Every 6 months the installer must measure and adjust the charging voltage for the batteries on the control panel and the outdoor siren.
- ▶ **User must perform periodical operation test of the system.** Every 6 months, the installer must test all devices (Detectors, contacts, sirens e.t.c.). Also installer will check communication of the system to the Central Monitoring Station and also all parameters and functions of the system.
- ▶ **The batteries of the Control Panel and the Siren must be replaced every 3 years.**

Warranty

Sigma Security warrants its products hereinafter referred to as the "Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of 24 months from the day of purchase from the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period, as its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.

This Warranty does not apply in the following cases: improper installation, misuse, failure to follow installation and operation instructions, alteration, abuse, accident or tampering, and repair by anyone other than the manufacturer.

This Warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express or implied, including any warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable to any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the product only. All products accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequently or otherwise, caused by the malfunction of the product due to products, accessories or attachments of others, including batteries, used in conjunction with the Products.

The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and / or damage to property as a result.

The Manufacturer shall have no liability for any death, personal and /or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the product failed to function.

However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as penalty, and shall be the complete and exclusive remedy against the Manufacturer.

Warning: The user should follow the installation and operation instructions and among other things test the product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not performed as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his / her property.