

SIGMA "APOLLO"

"APOLLO" control panel manufactured, by SIGMA SECURITY is a modern, state of the art, security system which can cover the security needs of a household, or an office. It has been designed to combine easiness of use and the best possible security.

In this manual is described in detail, the use and operation of this unit, so that you understand and take full advantage of its capabilities. For any further questions, please contact the technician who has carried out the installation of the system.

In order to better understand the settings and the operation of the system, read carefully the explanation of the main terms, which you will find in this manual.

- **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:
 - **Internal:** these zones are bypassed when you activate home arming. (Arming the system, while, you stay in the house).
 - **Perimeter:** these zones are armed, if the panel is armed, regardless the arming mode of the panel (HOME, or AWAY). These zones may be bypassed.
 - **24 hours:** these zones are always armed, regardless the condition of the panel (wether the panel is armed or disarmed).
- **BYPASS:** is the operation by which you temporarily deactivate any zone(s), while you arm the system.
- **Code:** It is the 4-digit, 5-digit, or 6-digit number, which you must use for arming, disarming and user programming of the system.
- **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.
- **Quick Arming:** is the arming of the system by using only a single digit number and [ENTER], instead of the entire code.
- **Partitions:** is the capability of the system to operate at two different partitions (fully independent subsystems).

- **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 in a store to annunciate the arrival of a customer every time the front door opens.
- **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.

INDICATIONS AND USE OF THE KEYPAD

The keypad is used for the programming and the control of operation of the system. On the front of the keypad there are 12 or 16 LED indicators (depends on the type of keypad), a single digit LED Display and 16 keys.



In every keypad you have the indication of the partition it belongs to. You may change partitions, using a valid code. This operation is described in the relative chapter of this book.

INDICATION LED's

- **GREEN (ARM-DISARM):** It turns on when the system is disarmed and switched off when it is armed (this is a programmable function and may change in the installer menu). **During HOME arming it will blink, if the entry zone(s) will operate as delay zone(s).**
- **YELLOW (POWER):** Turns on to indicate that the panel is supplied normally by the 220V mains power and turns off to indicate Mains Power Loss. When the voltage of the battery is low it blinks as follows:
 1. Three short flashes and a longer flash, when there is Mains Power and the battery's voltage is low.
 2. Three short flashes and a pause, when there is Mains power Loss and the battery's voltage is low.
- **RED (TROUBLE):** Turns on when there is a problem in the system (alarm, power failure, drop of battery voltage, over-current, and time loss).
- **BYPASS:** It blinks if there are Bypassed Zones or when you program which zones will be bypassed.
- **READY:** It turns on if all zones of the system are balanced, and the system is ready to arm.
- **ZONE 01 - ZONE 16:** They indicate the zone(s) status. When they are off the zones are balanced. When a LED is on the relative zone is unbalanced or has a problem. If during arming one or more are blinking along with the LED "BYPASS", then the relative zones will be bypassed.
- During programming, on the LED **DISPLAY**, you may see the programmed values.

ATTENTION: At the end of exit delay, the keypad LED's turn off. It turns on if a delay zone is unbalanced or if a key is pressed. The illumination LED's also turn off if within 1 minute, no key is pressed.

KEYS

- **0 - 9:** Numeric keys. They are used to enter numbers, during arming,

disarming, or programming the system.

- **HOME / TIME:** Used to program or check the time related values of the control panel. Also used during telephone programming to add a pause between numbers dialing.
- **BYPASS / ZONE:** Used to program, control or bypass zones.
- **CODE / MODE:** Used to program or read codes [**CODE**] and to program the function type of zones [**MODE**].
- **READ / CHIME:** Used to read a programmed value or to activate – deactivate CHIME.
- **PART / ADDRESS:** Used to select partition or address during programming.
- **ENTER:** Used to accept programmed values or commands.

NOTICE: If any false action takes place, there is an ERROR sound, from the keypad's buzzer. The verification of a correct action is indicated by four short BEEPs.

PROGRAMMING THE SYSTEM

Use the system keypad to program, edit or delete several system functions. In order to do so the system must be disarmed.

If the system is armed, or in downloading procedure, or you use invalid code, or the digital communicator is in operation, you can not program the system. In any of these cases the keypad buzzer will sound continuously to indicate error.

In order, to arm or disarm, the system, for the first time, press [**1**] [**7**] [**7**] [**7**] and [**ENTER**].

ENTER USER PROGRAMMING

Use the system keypad to program, edit or delete several system functions. In order to do so the system must be disarmed.

In order to program the system, press: [**ENTER**] [**MAIN USER CODE**] & [**ENTER**]. The dot on the LED Display will start blinking to indicate the panel is in programming mode. The main user code is **1777**.

This code must be changed using the CODE editing procedure.

NOTE: In this manual the symbol [], indicates the relative key that is shown in.

CODES – ACCESS LEVELS

The system has 97 codes for arming and disarming the system, which can be from 4 to 6 digits. These codes can also be used for the system’s programming and the operation of the system.

By providing a different code to each person that uses the system, you have the capability to be aware who disarmed the alarm and, depending on the access level of the code, you can limit the access capabilities to the operation of the system.

All codes may be programmed to one of the six access levels, except code 01 that, can change access level. The abilities, of the various codes are displayed in the following table:

CODES ACCESS LEVEL				
PROGRAMMING			ACCESS LEVELS	
CODE	TIME-DATE/ AUTO ARM	CODES	CHANGE PARTITION	ZONE BYPASS
MAIN USER	YES/YES	YES	YES	YES
PARTITION MAIN CODE	NO/YES	YES	YES	YES
AUXILIARY 2	NO	NO	YES	YES
AUXILIARY 3	NO	NO	NO	YES
AUXILIARY 4	NO	NO	NO	NO
TWO TIMES	NO	NO	NO	NO
DURESS	NO	NO	NO	NO

MAIN CODE: Is code 01. It has the capability of arming and disarming the partition (partitions) it has access to and it is the only one that may program:

- All codes and the quick arming digit
- Current time and date
- The time and days of automatic arming and disarming
- The feature of arming and disarming via Download

PARTITION MAIN CODE: Arms and disarms the partition (partition) to which it belongs and the partitions it has access to. It sets up or deletes the codes, cards and remote controls **that belong to its partition**. Furthermore, it

sets up the display type on the screen, the thermostat and activates or deactivates the Chime mode **of its partition**.

TWO-USE CODE: It can be used only two times, to arm and disarm the alarm. After the two uses it is deleted and needs to be programmed again. It is programmed, like all codes, from the main code or the partition main code.

DURESS CODE: It is the code that you must use when you are threatened to disarm the alarm, so that, along with the disarming of the panel, a PANIC event will be reported to the central station indicating the circumstances under which the disarming took place.

PROGRAMMING, EDITING, DELETING CODES

Initially, use the main user code (01) to program all other codes. **Then, you may use the main code of every partition to edit, program or delete user codes on this partition.**

To program, or edit a user code, press:

[CODE] [X] [X] [NEW USER CODE] [ENTER]
, [X] [X], is the increasing number of the code (01...97).

To read any of the user codes, press [READ] [CODE] [X] [X].
[X] [X], is the increasing number of the code (01...97).

To delete any user code, press [CODE] [X] [X] [ENTER].
[X] [X], is the increasing number of the code to be deleted (02...97).

The main user code can not be deleted.

PROGRAMMING THE QUICK ARMING NUMBER

The system can be armed using a single digit number (**Quick Arm Number**), which is common for both partitions. If the quick arming number is used to arm the system, it will arm only the partition in which the keypad you use belongs to. The panel will report the quick arming to the Central Station.

Press, [CODE] [9] [8] [X]. [X]=[0-9], is the quick arming number. Only main user code can program the quick arming number. This function is disabled in factory default programming.

To read, the quick arm number, press [READ] [CODE] [9] [8]. To delete quick arming number, press [CODE] [9] [8] & [ENTER].

PROGRAMMING DATE AND TIME

Following is the time table the user may program in the system:

TIME TABLE	
TIME 1	TIME
TIME 2	DAY
TIME 3	DATE
TIME 4	AUTO ARM TIME FOR PARTITION A
TIME 5	AUTO DISARM TIME FOR PARTITION A
TIME 6	AUTO DISARM WEEKLY PROGRAMMING FOR PARTITION A
TIME 7	AUTO ARM TIME FOR PARTITION B
TIME 8	AUTO DISARM TIME FOR PARTITION B
TIME 9	AUTO DISARM WEEKLY PROGRAMMING FOR PARTITION B

PROGRAMMING CURRENT TIME

To program, the system's real time clock, press:

[TIME] [1] [H] [H] [M] [M].

[H] [H] is the current hour, and [M] [M] is the minutes.

EXAMPLE: Current time is 10:30. Enter: [TIME] [1] [1] [0] [3] [0]. On the display, you will have the relative numbers you had entered, pressing the keys.

To read the programmed time, press [READ] [TIME][1]. On the DISPLAY you will have the current time.

PROGRAMMING THE DAY OF THE WEEK

In order to program, the current day of the week, press [TIME] [2] [D] [ENTER]. [D] is the number corresponding to the current day of the week (1-7). For **Sunday** press **1**, for **Monday** press **2**, for **Tuesday** press **3**, e.t.c. When you press the relative key the relative LED of the day will turn

on.

In order to read, the programmed day of the week, press: [READ] [TIME] [2]. The LED corresponding to the programmed day of the week will turn on.

PROGRAMMING THE DATE

To program, the date of the system, press [TIME] [3] [D] [D] [M] [M] [Y] [Y].

- [D] [D], the number of the day (01-31).
- [M] [M], the number of the month (01-12).
- [Y] [Y], the number corresponding to the year. For year 2005 press [0] [5].

To verify, the date programmed in the system, press [READ] [TIME] [3]. On the DISPLAY you will have the date of the system and also the LED corresponding to the programmed day of the week will turn on.

PROGRAMMING AUTO ARM AND DISARM TIME

The control panel may be programmed to automatically arm and disarm the same time every day of the week. The auto arming and disarming time may be different for every partition. **If the system operates in a single partition programming for the second partition are not necessary.**

Automatic arming operates independently from automatic disarming. Thus, you may program the system to, only, automatically arm or disarm the desired partition.

Automatic Arming:

To program the time the control panel will automatically arm, press:

- [TIME] [4] [H] [H] [M] [M], for partition A.
- [TIME] [7] [H] [H] [M] [M], for partition B.

To read auto arm time, press:

- [READ] [TIME] [4], for partition A.
- [READ] [TIME] [7], for partition B.

To cancel auto arm time, press:

- [TIME] [4] [ENTER], for partition A.
 - [TIME] [7] [ENTER], for partition B.
- [H] [H] the time and [M] [M] the minutes.

Automatic Disarming:

To program the time the control panel will automatically disarm, press:

- [TIME] [5] [H] [H] [M] [M], for partition A'.
- [TIME] [8] [H] [H] [M] [M], for partition B'.

To read auto arming time, press:

- [READ] [TIME] [5], for partition A'.
- [READ] [TIME] [8], for partition B'.

To cancel auto arming time, press:

- [TIME] [5] [ENTER], for partition A'.
- [TIME] [8] [ENTER], for partition B'.

EXAMPLE: If you wish the partition A to arm every day on **21:30** and disarm every day on **07:45**, press:

- [TIME] [4] [2] [1] [3] [0], for arming.
- [TIME] [5] [0] [7] [4] [5], for disarming.

WEEKLY ARMING OF THE AUTOMATIC DISARMING

User may select the days of the week the system will automatically disarm at a specific time. The system may disarm automatically in all days from Monday to Friday, and not in Saturday and Sunday. **Automatic arming is active all days of the week.**

To program the days of the week the system will automatically disarm, press:

- [TIME] [6] [D] [D]....[D] [ENTER], for partition A.
- [TIME] [9] [D] [D]....[D] [ENTER], for partition B.

[D] = 1-7, the keys that correspond to the days the system will automatically disarm. On the LED DISPLAY you will have the letter **d** (date) and also the LEDs of the days of the week that the system will automatically disarm, will turn on. For **Sunday** the Led **1** will turn on, for **Monday** the Led **2**, for **Tuesday** the Led **3**, e.t.c. Every time you press a

key that corresponds to the day you wish the system to auto disarm, the relative LED turns on or off. If you wish to cancel one of these days press again the relative key.

To read the days of weekly auto disarm, press:

- [READ] [TIME] [6], for partition A.
- [READ] [TIME] [9], for partition B.

On the LED DISPLAY you have the letter "d" and the LED's indicating the relative days turn on.

To delete the days of weekly auto disarm, press:

- [TIME] [6] [ENTER], for partition A.
- [TIME] [9] [ENTER], for partition B.

NOTE: The programming of time, date and auto arming or disarming can be done only using the user main code (01).

ARMING-DISARMING VIA DOWNLOADING

Use the following procedure to activate arming and disarming via the downloading software. In factory default programming this function is activated. This function may be activated or deactivated only via the keypad of the system **using the main user code (01) and not via download.**

- [ADDRESS] [0] [0] [0], if you wish to disable arming-disarming via Downloading Software.
- [ADDRESS] [0] [0] [1], if you wish to enable arming-disarming via Downloading software.

To verify data programmed, in this memory location, press [READ] [ADDRESS] [0] [0].

NOTE: This function may be programmed only by main user code (01) using the system keypad, and not by the downloading software.

PROGRAMMING THE "FOLLOW ME" TELEPHONE NUMBER

The main user code may be used to program , edit or delete the

1st telephone number of the 1st channel of the voice dialler (follow me), using the following procedure:

- To program or edit the “follow me” telephone number, press:[**ADDRESS**] [**0**][**1**] [**TELEPHONE NUMBER**] & [**ENTER**].
- To delete the “follow me” telephone number, press [**ADDRESS**] [**0**][**1**] & [**ENTER**].
- To read the “follow me” telephone number, press: [**READ**] [**ADDRESS**] [**0**] [**1**].

EXIT USER PROGRAMMING

After finishing user programming, press [**USER CODE**] & [**ENTER**] to exit user programming menu. The system will exit programming menu automatically if within two minutes, no key is pressed.

OPERATING THE SYSTEM

The system may arm or disarm using 2 methods:

1. Fully arm the system including all zones.
2. Arm the systems using HOME arming (perimeter protection) or arm the system with bypassed zones.

Arming and disarming of the system is done via the keypad by entering a valid code.

Close all protected doors and windows before you try to arm the system. When all zones are balanced, all zones LED's will be off and the LED “**READY**” will turn on. If there is one or more unbalanced zones, the relative zones LED's will be on and the LED “**READY**” will turn off.

If you try to arm the system and the red LED "**TROUBLE**" is on, check what might be, the trouble. If the yellow LED is off then, you have Mains Power loss, if the yellow LED is blinking you have Battery low voltage. Check the event list to see if the trouble will affect the system during the arming cycle (telephone line failure, low battery voltage e.tc.). The LED "**TROUBLE**" will turn off when the system is armed.

If there is a problem call the installer so he may perform maintenance.

In case you have telephone line failure the keypad buzzer will sound continuously, Press any key to silence it.

FULL ARMING OF THE SYSTEM

Use the following procedure to fully arm the system including all zones.

If all the zones are balanced the LED “**READY**” will be on. Enter [USER CODE] and press [ENTER]. The LED “**ARM**” will change status (will turn on or off, according to the programming of display type) and the buzzer will sound during the exit delay. **During the last 10 seconds of the exit delay the buzzer sounds faster to remind you to exit the protected area as the exit delay is about to end**, while in the LED Display you can see the countdown of exit delay.

If you wish to extend the exit delay, without disarming the system, just press the key [BYPASS], to restart the exit delay countdown. **This function can be used up to 3 times.**

If the buzzer sounds while arming the system then:

- Maybe there is Mains Power Failure. On the LED Display you will have the indication [P] and the LED “**POWER**” will be off.
- Maybe there is telephone line failure. On the LED Display you will have the indication [Lt].

ARMING THE SYSTEM QUICKLY

To arm the system, quickly, enter the quick arm single digit number and press [ENTER]. The partition, in which the keypad, you use, belongs to, will arm.

ARMING THE SYSTEM WITH BYPASSED ZONES

Use the following procedure to arm the system bypassing one or more zones:

Enter the [USER CODE]. Press the key [BYPASS]. The LED “**BYPASS**” will start blinking. Enter the numbers of the zones you wish to bypass (e.g. **01, 03, 08, 12**, e.t.c.) and then press [ENTER]. The system will arm, while the bypassed zones LED’s will blink during the exit

delay, along with the LED “BYPASS”.

Example: [USER CODE] [BYPASS][01][03][08][12] & [ENTER].

NOTES:

- Arming with bypassed zones can only be carried out by users whose codes have the permission for it. If you use a code that doesn't have the right access level, the system will not arm and you will have to repeat the procedure from the beginning, using the right code. In this case, the LED “ARM” will not change status and the keypad buzzer will sound continuously indicating error.
- If a zone you wish to bypass does not belong to the partition that you arm, the system will not arm and you will have to repeat the procedure from the beginning, without bypassing the specific zone. In this case, the LED “ARM” will not change status and the keypad buzzer will sound continuously indicating error.
- If any zone is unbalanced and you arm the system without bypassing them, the control panel will (regarding to the programming the installer has done) act as follows:
 1. The system will not arm.
 2. The system will arm and at the end of exit delay will automatically bypass all unbalanced zones. In this case **the siren will sound 3 times** indicating you had armed the system with bypassed zones.
 3. The system will arm and at the end of exit delay will automatically bypass all unbalanced zones. The siren will stay silent.
 4. The system will arm and at the end of exit delay will automatically bypass all unbalanced zones, without any indication. If during the arming cycle the zones are balanced, they will be automatically armed, and sound an alarm if triggered (FORCED ARM).
- To bypass certain zones, which are common in both partitions, you must bypass them at each partition separately.
- The zones that will be **bypassed, with the above mentioned method, will automatically return to normal operation mode, when the system disarms.**

ATTENTION! You must be very careful when you are arming the system with Bypassed zones, because these zones will not trigger an alarm if they are unbalanced.

GROUP BYPASS ARMING

Use the following method to bypass a group of zones that have been determined by the installer using the procedure “Group Bypass”.

Press, **[USER CODE] [BYPASS] & [ENTER]**.

The keypad buzzer will sound as a confirmation, and the bypassed zones LED’s will start blinking along with the LED “BYPASS”, during the exit delay.

TEMPORARILY BYPASS ZONES

If you wish to temporarily bypass zones without arming the system enter the **[USER CODE]** and press **[BYPASS]**. The LED “**BYPASS**” will start blinking. Enter the zones numbers (e.g. **01, 03, 08, 12** e.t.c.). The bypassed zones LED’s will start blinking. Press **[BYPASS]**. The keypad buzzer will sound for confirmation, the LED “**BYPASS**” will start blinking, and the bypassed zones LED’s will turn off.

Example: **[USER CODE] [BYPASS] [01] [03] [05] [09] [12] [BYPASS]**.

To verify which zones are bypassed press for 2 seconds the key **[BYPASS]**. The bypassed zones LED’s will start blinking for 5seconds.

To activate any bypassed zones, enter the **[USER CODE]** and press **[BYPASS]**. The bypassed zones LED’s will start blinking. Enter the zones numbers (e.g. **01, 03, 08, 12** e.t.c.). Press **[BYPASS]**.

To activate all bypassed zones, enter the **[USER CODE]** and press **[BYPASS] [BYPASS]**. The keypad buzzer will sound for confirmation, and the LED “**BYPASS**” will turn off.

The zones that have been bypassed using the above, mentioned method, **will automatically return to normal operation mode, when the system disarms.**

DISARMING THE SYSTEM

Enter the protected area through a delay zone entry. The buzzer will start sounding. **During the last 10 seconds of the entry delay the buzzer sounds faster to remind you to disarm the system, as the entry delay is about to end**, while in the LED Display you can see the countdown of entry delay.

Enter [USER CODE] and press [ENTER]. The green LED will change status, and the system will disarm.

If the code you use to disarm the system is not correct, you can try again. You can try 4 times to disarm the system. If all 4 times the code you enter is wrong, then the keypad locks for 15 seconds. The system will report the event to the Central Station.

If there was an event during the arming cycle, such as, Mains power loss, alarm e.t.c., and you disarm the system the keypad buzzer will sound and the LED “TROUBLE” will turn on. Press [READ] & [ENTER] to see what the problem is.

The system can disarm, automatically, every day the same time if it is programmed to perform auto arm or disarm. The automatic arming and disarming function is described in previous section of this manual.

DURESS DISARMING

If you are being threaten at the time that you are entering your area and they force you to disarm the alarm, enter the [DURESS CODE] & [ENTER]. The unit will disarm and, it will report the Duress disarm to the central.

HOME ARMING

This arming method is used for perimeter protection. This way you activate all perimeter zones, while you can move freely in the protected area. There are 3 methods of home (perimeter) arming:

1. Press [HOME] & [ENTER]. All perimeter zones are activated. **Entry and exit delay are deactivated**. All delay zones will operate as instant, and all interior zones are bypassed.
2. The following arming method is active only if, the installer has programmed the system to perform auto home arming.

Enter [USER CODE] and press [ENTER]. The panel will start the exit delay countdown. If no delay zone “opens” during the exit delay, the system will automatically HOME arm, bypassing all interior zones.

In this case, the entry delay will be active. If any of the users is out of the premises, can enter from a delay zone and disarm the system, during the entry delay, by using his code. This method can not be used in the following cases:

- i. When the zone DELAY is bypassed
 - ii. When the system is armed via a key-switch zone which has no exit delay
3. In case you wish to HOME arm the system and also bypass some other zones, enter [USER CODE], press [BYPASS] enter [ZONES TO BE BYPASS] and then press [HOME] & [ENTER].

If you had HOME armed the system, and wish to exit the premises, without disarming the system, press the key [BYPASS]. The exit delay will start countdown, and you may leave the area. **After the end of the delay time the system will be in HOME ARM status.**

If you use this last method to exit your premises by pressing the key [BYPASS], the entry delay will be active, regardless the method you used to HOME arm the system.

CHANGING ARMING STATUS: If you had HOME armed the system, you may activate or cancel the entry delay by pressing the key [HOME]. When the LED “ARM” is blinking the entry delay is active, while when it is off the entry delay is de-activated.

DISARMING: To disarm the system, if you had armed it using HOME arming, enter [USER CODE] and press [ENTER]. As a confirmation the LED “ARM” will change status.

CANCEL AN ALARM

To cancel an alarm enter [USER CODE] and press [ENTER]. The sirens of the system will be silenced, and the digital communicator will report to the Centarl Station.

BURGLARY, FIRE OR MEDICAL ASSISTANCE

The unit has the capability to send a help signal to the central station, in case that you are threatened or you need medical assistance or when there is a fire at your area.

- In case you need medical assistance hold down at the same time keys [1] and [3], for two seconds.
- In case of fire hold down at the same time keys [4] and [6], for two seconds.
- In case of burglary hold down at the same time, keys [7] and [9], for two seconds.

To cancel any of the above actions, type in your code and press [ENTER].

AUTO ARMING AND DISARMING OF THE SYSTEM

When the system has been programmed to automatically arm or disarm at a specific time, the keypad buzzer will start sounding at the auto arm time for **4 minutes** (exit delay for auto arm). On the display you will be able to see the exit delay countdown. During the exit delay you may leave the premises, transfer the auto arming time or cancel auto arm, using the following methods:

- Enter [USER CODE] and press [ENTER]. This way you cancel auto arming.
- To temporarily cancel auto arming, enter [USER CODE] and press [HOME]. On the Display you will have the indication: [t]. Enter the number of minutes (01-99) after which the system should automatically arm and press [ENTER]. After this period the system will automaticall arm and disarm again at the preprogrammed time and day.

NOTE: During auto arming the system is fully armed. If after the end of exit delay any zones are unbalanced they will be automatically bypassed.

CHIME OPERATION

If you wish to be notified when a door or window in your premises

open, **when the system is disarmed**, you may activate the zone's chime operation. All the magnetic contacts connected to the relative zones must be programmed as chime. Chime operation is activated the keypad buzzer will sound for 1 second, whenever a zone programmed as chime will be unbalanced.

- To activate, press [**CHIME**] until on the LED DISPLAY you will have the reading: [**CH On**].
- To de-activate, press [**CHIME**], until on the LED DISPLAY you will have the reading: [**CH OFF**].

NOTE: This mode is set up independently in each partition, using the partition main code. The chime operation is active only, when the panel is disarmed. Furthermore, the chime zones must be programmed, by the technician.

DISPLAYING THE CURRENT TIME

To read the Current time, press for 2 seconds, the key [**TIME**] or press, [**READ**] [**TIME**].

POWER FAILURE (220V) REPORT

When there is an power failure of the **220 V** voltage, for a time period longer than the time programmed by the technician in the relative setting, then the unit sends to the "**FOLLOW ME**" telephone number an intermittent sound signal. This is useful in case it's necessary for you have knowledge of the power failure in order to prevent some undesirable event, such as e.g. damage of food in refrigerators, low voltage of the system's battery, etc.

OPERATING IN TWO PARTITIONS

The system may be programmed to operate in two partitions. Each partition may be armed or disarmed separately using different codes.

In case the system operates in two partitions, the operation of every partition is the same as described in a simple installation. Following you will find abilities and functions of the system while operating in two partitions.

CHANGING PARTITION

In case the system operates in two partitions, you can use a code to control both partitions from any keypad. The code you use must have the ability to change partitions.

- Enter [USER CODE] press [PART] [01] when you are in partition 2 and wish to control partition 1.
- Enter [USER CODE] press [PART] [02] when you are in partition 1 and wish to control partition 2.

If the code you use does not have the ability to change partitions, the keypad buzzer will sound and error message and you will not be able to control the other partition. Repeat the above mentioned method using a proper code.

By entering the other partition, on your keypad you will have all the indications of the new partition, and you will be able to control it (i.e. arm, disarm, check the events e.t.c.). **You will not be able to perform programming in this partition.**

NOTES:

- You may return to your previous partition, by repeating the above mentioned procedure. The keypad will return to its normal partition after 1 minute if no key is pressed.
- To read, which, partition you are in , press the key [PART] for 2 seconds. If you are in Partition 1 the Led 1 will turn on, while if you are in Partition 2, the Led 2 will turn on.

SELECTIVE ARMING AND DISARMING OF PARTITIONS

To arm or disarm only your partition enter [USER CODE] and press [ENTER].

In case the system operates in 2 Partitions, you can arm or disarm any of them or both, at the same time. This is done using the following methods and a code that has the ability to arm or disarm both partitions.

ARMING:

Enter [USER CODE] and press [PART]. On the Display you will see the letter [A] (Arm). Press key [1] to arm the 1st partition, [2] to arm the 2nd partition, or both [1] & [2] to arm both partitions. By pressing the keys [1], [2] the LED's 1 and 2 will turn on or off as an indication of the partitions that will arm. Press [ENTER]. The LED "ARM" will change status and the exit delay will start count down.

NOTE: Using the above mentioned method you can only fully arm the system. You can not HOME arm both partitions, by this method.

DISARMING:

Enter the premises via an entrance that belongs to a delay zone. The buzzer will sound to indicate you must disarm the system. Enter [USER CODE] and press [PART]. On the Display you will see the letter [d] (disarm). Press key [1] to disarm the 1st partition, [2] to disarm the 2nd partition, or both [1] & [2] to disarm both partitions. Press [ENTER]. The LED "ARM" will change.

In both cases, you have the ability to change from arming to disarming and the opposite, by pressing the key [PART].

CANCEL THE ALARM IN CASE OF 2 PARTITIONS

When the control panel operates in 2 partitions you may cancel an alarm using the following methods:

1. **From a keypad of the partition in alarm**, enter [USER CODE] and press [ENTER]. The system will be disarmed and the sirens will silence. The digital communicator will report to the Central Station.
2. **From a keypad that belongs to the other partition**, you may silence the sirens without disarming the system entering [USER CODE] and press [ENTER]. The digital communicator will report to the Central Station.

If the alarm was triggered by a fire zone, the siren sounds intermittently, and on the keypads the relative zone LED turns on. The

fire alarm may be cancelled only from a keypad that belongs to the same partition with the, fire zone, entering [USER CODE] and pressing [ENTER].

CHECKING THE EVENTS

The control panel stores the last **300** events, with date and time, such as: arming, disarming, alarm, power failure, low battery e.t.c. All these information you may see and print via the Download software.

When the red LED “Trouble” of the keypad is on, there is an event during the arming cycle of the system. From the keypad you may see the main event, pressing: [READ] & [ENTER]. On the DISPLAY you will have the following readings:

TROUBLE TABLE	
A	Alarm during the last arming cycle
CL	Loss of time
Ct	Communication Failure (with the Central Station)
dL	Downloading to the control panel
F	A fuse is blown.
Ft	Fire zone line fault
Lt	Telephone Line failure
Lb	Battery voltage is bellow 11V.
P	Mains Power failure 220V.
Pt	Keypad Failure.
St	Siren Power Line fault

NOTES:

- Press, [READ] [ZONE]], to see if there was an alarm during the last arming cycle. On the LED Display you will have the letter **A** (Alarm) and also the LED’s of the zones that triggered the alarm.
- When a fire zone has a line fault, the keypad buzzer sounds intermittently. To silence the buzzer press any key.
- In case of telephone line failure, the keypad buzzer sounds continuously. To silence the buzzer press any key.

INSTRUCTIONS FOR THE PROPER OPERATION OF THE ALARM SYSTEM

The security provided by the system that is installed in your premises, depends on the right selection and placement of the devices it consists of and on the proper maintenance that you will carry out.

In order for the alarm system to operate properly and rise up to the purpose it has been bought for, it should, like every electronic device, be maintained properly and regularly. Furthermore, the user instructions must be closely followed. We recommend that the test described below be carried out, at least once every 15 days:

- To start with, contact the central station or the police department, which is connected to the security system, in order to inform them for the upcoming test.
- Arm the alarm system, the way we described in the relative chapter and, when the exit time ends, open the entrance door. Wait until the entrance time expires and the siren sounds. If the siren sounds, enter the **[USER CODE]** and press **[ENTER]** to disarm the system. With this test you confirm that the panel, the sirens and the entrance contact operate properly.
- To test the proper operation of the detectors follow the same procedure we described and, instead of opening the door, move around the area protected by the detector, until you hear the siren. Enter the **[USER CODE]** and **[ENTER]** to stop it. Repeat the same procedure for the remaining detectors and for the doors and windows, which are protected.
- Test, frequently, the operation of the sirens, pressing simultaneously, for two seconds, the keys **[CODE]** and **[ENTER]**, so that you are certain that the sirens of the system operate properly.
- Test the battery voltage of the system, by pressing the **[0]** key for 2 seconds. On the LED display you will have the battery voltage.

MAINTENANCE

To ensure the proper operation of the system and in order for the system to comply with the safety specifications, you must follow the next periodic procedure.

- Every six months you must check and adjust, if necessary, the charging voltage of the panel's battery and the self-supplied siren.
- Also, every six months, apart from the periodic tests of the operation of the system that the system, you must check the proper operation of all devices (PIR detectors, glass break detectors, magnetic contacts, sirens etc.), the communication of the panel with the central station or with the telephone numbers which have been programmed, the times and all system's parameters in general.
- The replacement of the panel and siren's batteries must take place every three 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 properly 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.