PIMA

FOR BETTER PROTECTION

HUNTER-PRO RSA

Intruder Alarm System

LCD Keypads User Guide

PIMA Electronic Systems Ltd.
5 Hatzoref Street, Holon 58856, Israel
☏ +972-3-5587722   🖷 +972-3-5500442
✉ support@pima-alarms.com   🖳 http://www.pima-alarms.com

PIMA Electronic Systems Ltd. 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. The User understands that a properly installed and maintained equipment 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.

PIMA Electronic Systems Ltd. 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.

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 environment conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

This document may not be duplicated, circulated, altered, modified, translated, reduced to any form or otherwise changed, unless PIMA's prior written consent is granted.

All efforts have been made to ensure that the content of this manual is accurate. Pima retains the right to modify this manual or any part thereof, from time to time, without serving any prior notice of such modification.

Please read this manual in its entirety before attempting to program or operate your system. Should you misunderstand any part of this manual, please contact the supplier or installer of this system.

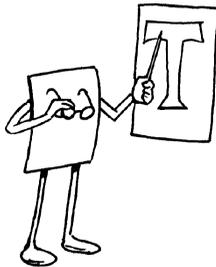Copyright © 2005 by PIMA Electronic Systems Ltd. All rights reserved.

You can contact us at: PIMA Electronic Systems Ltd.

5 Hatzoref Street, Holon 58856, Israel http://www.pima-alarms.com
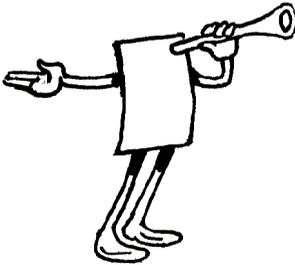
SAFETY INSTRUCTIONS

Your HUNTER-PRO RSA alarm system has been registered in accordance with EN60950 and its rules. EN 60950 requires us to advise you the following information:

1. In this alarm system exists hazards of fire and electric shock. To reduce the risk of fire or electric shock, do not expose this alarm system to rain or moisture. Pay attention: Telephone cords could be a good conductor for lightings energy.
2. Do not open the door of the alarm system. Dangerous high voltages are present inside of the enclosure. Refer servicing to qualified personnel only.
3. This alarm system should be used with AC 230V50Hz, protected by anti electric shock breaker. To prevent electric shocks and fire hazards, do NOT use any other power source.
4. Do not spill liquid of any kind onto the unit. If liquid is accidentally spilled onto the unit, immediately consult a qualified service.
5. Install this product in a protected location where no one can trip over any line or power cord. Protect cords from damage or abrasion.
6. Disconnect all sources of power supply before proceeding with the installation. Pay attention: do not install low voltage wires near by AC power wires they should be separated.
7. Connect the AC transformer output to the terminal block on the control panel as marked.
8. Connect the AC line cord to line power terminals as marked. (GND; N; L)

TABLE OF CONTENTS

CH. 1: INTRODUCTION

Congratulations on your purchase of the **HUNTER-PRO RSA** Intruder Alarm System! Much care has been taken in developing the **HUNTER-PRO RSA** Intruder alarm system, which will provide you with unprecedented peace of mind. The HUNTER-PRO RSA user-friendly operation and advanced features will professionally protect your home or business.

HUNTER-PRO RSA Intruder Alarm System contains numerous features that allow it to befit the customer's individual needs, and yet remain easy to program and use both by the customer and the technician. Therefore, it is important to read this manual from cover to cover in order to familiarize yourself with the system and take full advantage of its features. To assure optimal safety and security, you should test the HUNTER-PRO RSA Intruder Alarm System once a week.

For any further questions, please do not hesitate to contact your local **PIMA** distributor or **PIMA** directly at:
PIMA Electronic Systems Ltd.
Tel.:   +972–3–558 7722
Fax: +972–3–550 0442
Email: support@pima-alarms.com

Up to date literature is available to download from our website:
www.pima-alarms.com

1.1   Main Features HUNTER-PRO RSA

★ 9 zones in control panel

★ Zone doubling for control panel on-board zones (total 16 zones)

★ Expanded up to 32 zones with wireless add-on, local, and remote bus expanders

★ Supports a wide range of partition options:
   ▪ Up to 16 partitions each with its own Account ID and Users
   ▪ Up to 8 subsystems each with different keypads, IDs, etc.

★ Full supervision data of wireless detectors (supervision, low battery, tamper)

★ Comprehensive Zone Tests for flawless installation: Walk Test, Soak Test, etc.

★ Two options for viewing system status:
   ▪ Detailed: Scrolling events, zones' and system's status
   ▪ "PIMA" Style: Status of all 32 zones is displayed simultaneously

★ Four Subscriber dialing numbers with optional voice message

★ Four Monitoring Stations phone numbers

★ PIMA unique Integrated Digital Communicator (telephone, long-range radio)

★ Supports split and double reporting to two monitoring stations with different account IDs

★ LCD keypad with multilingual Menu-Driven screens for easy programming and operation as well as budget LED keypads

★ Many alternatives for easy programming (Keypad, Fast Programmer, Local/Remote download software)

★ Up to 24 users with various authorization levels

★ Various accessories (mic, voice unit etc.)

★ Memory Log up to 410 events (128 non volatile)

★ Automatic Arming at a preset time and/or after a preset silence time

★ System remote control via any touchtone telephone

★ Sirens monitored and reported for wires cut to CMS

★ Various test options for zones and devices

1.2   Signs and Abbreviations Key

☞   **Regular key press**

👆   **Long key press, until confirmation beep is heard**

[END]   **Press this key at any programming stage in order to return to root screen**

Default Master Code: 5555

Enabled User Code: A code enabled, by Master Code, to enter User Menus

LCD Zone Numbers: Referring to the frame of zones engraved above and below the LCD display window, indicating the zones' numbers.
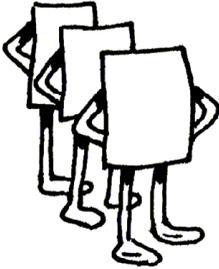
CH. 2:   KEYPADS

HUNTER-PRO RSA works with PIMA's LCD keypads: RXN-400 and RXN-410, especially designed for maximum simplicity, durability and decorative design. The keypad is used for arming, disarming and programming the system as well as displaying time and date, system status information, events and defaults, memory log and more.

Both keypad models are identical, except for the size of the display screen:

★ RXN-410: Large screen 23 x 97 mm

★ RXN-400: Small screen 15 x 60 mm

★ Up to eight keypads can be connected to the system
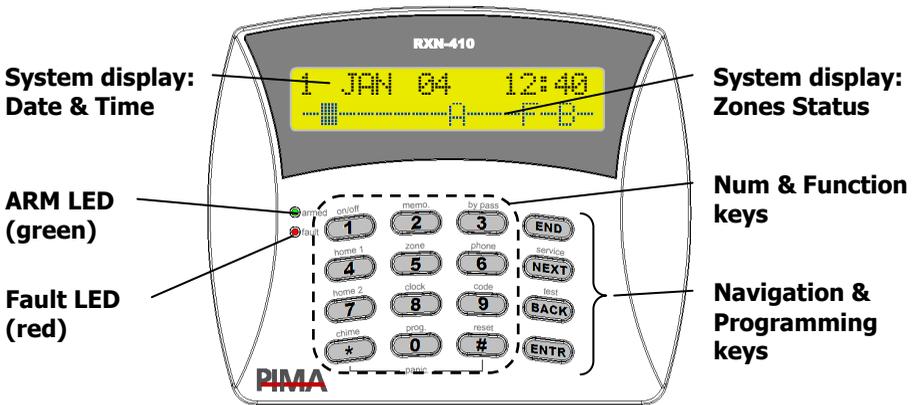
Drawing 1- PIMA LCD RXN-410 keypad with PIMA Display

2.1   Display Screen

The display screen has two lines with 16 characters each. The upper line displays the time and the date. The lower line displays data regarding the system, such as events, faults and zone status.

The user can choose between two display types: scrolling (fast zone display) and PIMA display. See section 4.12 on page 34 how to change displays.

2.1.1 PIMA User-Friendly Display

All events and zones displayed in a single screen using signs and abbreviations
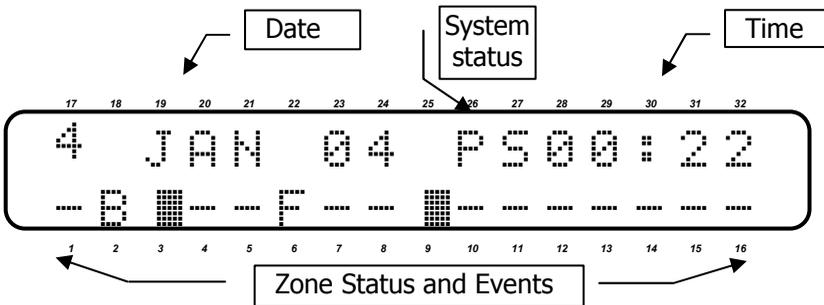
Upper Line Display when there are up to 16 zones:

Time, date and system status if system has 16 zones or less (see upper line display description in section 2.1.2).

Lower Line Display when there are up to 16 zones, Or both lines display when there are more than 16 zones :

The following signs appear next to the zone number/partitions that encircle the LCD screen:

⎯   Closed zone

▦   Opened zone

B   Bypassed zone

A   Alarm zone (zone triggering alarm)

C   Chime zone

S   Shortcut zone (zone is shortcut)

F   Failed zone (disconnected)/Tamper event (in a wireless detector)

L   Low battery in wireless detector

U   Supervision signal: Wireless detector did nor report test to system

T   Zone is in Soak test

2.1.2 Scrolling

The zone and event screens automatically interchange and display their status in a chronological order.
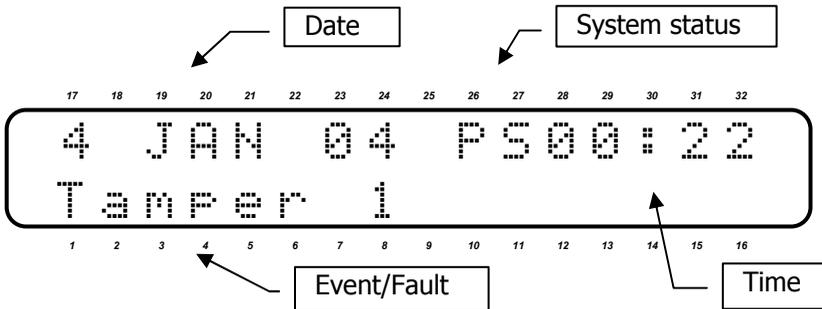
Upper Line Display

★ Time and date

★ System status displayed between time and date:

   P   System communicating or testing PSTN line

   S   Siren ON

   R   Relay ON

   T   System reporting to Monitoring Station via radio transmitter

Lower Line Display

★ Event alerts and faults

★ Opened zones (OP)

★ Alarmed zones (AL)

2.2 Keys Function

Operating and programming the system commences by first entering the Master Code and then pressing any further required keys. However, a number of keys enable certain actions by a single long press, without the Master Code:

Key	Function	
	After entering Master/User Code (short press)	**Secondary Function (long press)**
1 *ON/OFF*	System Arming/Disarming	Fast arming the system (if enabled by technician)
2 *MEMO.*	Display arming, alarm, and fault histories	-
3 *BYPASS*	Temporary bypass of zones	-
4 *HOME 1*	Arming the system to mode "Home 1" (partial arming)	Fast arming the system to "Home 1" mode (if enabled by technician)
5 *ZONE*	Display menu (see section "Zone Status Display")	-
6 *PHONE*	Programming telephone numbers	-
7 *HOME 2*	Arming the system to mode "Home 2" (partial arming)	Fast arming the system to "Home 2" mode (if enabled by technician)
8 *CLOCK*	Programming time and date	-
9 *CODE*	Programming the user codes	-
* *CHIME*	Programming zones for Chime feature	Enabling/Disabling the Chime feature
0 *PROG.*	Programming automatic arming and silent time per partition	-
# *RESET*	Programming key	Smoke detector reset
END	Programming key	Clearing alarmed zone indication
NEXT *SERVICE*	Programming key	Display service Provider information
BACK	▪ Programming key ▪ Test siren, battery, AC, and tel. line	-

ENTR	Programming key	Display system's name and version

2.3   Entering User Menu

In order to program and change data in the user level, you must first enter the User Menu. User Menu can be fully accessed by the system administrator (owner) when using the Master Code.

Other users can also access the User Menu but are limited to the number of available functions according to their authorization level programmed by the system administrator (owner).

To learn more about authorization levels and how to change them see "Programming Codes" on page 20

2.3.1   Entering User Menu with Master Code

To access the User Menu:

☞ | Master Code | User Menu Choose 1,2... | ☞ | Function key (see page 10) |

2.3.2   Entering User Menu with User Code

If user is enabled by technician to enter the User Manu:

☞ | User Code | User Menu Choose 1,2... | ☞ | Function key (see page 10) |

If user is not enabled by technician to enter the User Menu (i.e., User Code arms/disarms the system), the menu can still be accessed as follows:

☞ | **0** *PROG.* | ☞ | User Code | User Menu Choose 1,2... | ☞ | Function key (see page 10) |
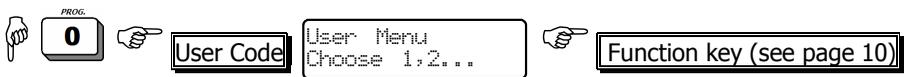
When user selects a function (i.e., the corresponding key is pressed) that he or she does not authorized to, the system displays the following:

Access Denied! Press END   ☞ **END**
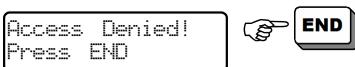
CH. 3: ARMING & DISARMING THE SYSTEM

The system can be armed and disarmed using one of four methods:

★ Keypad

★ Remote control or keyfob

★ Automatically (arming only)

★ Remotely via touchtone telephone, COMAX software, Internet, and GSM

As a rule, the system should be armed ONLY when all zones (but those on the exit route) are closed and there are no faults (e.g., battery, mains, etc.) and/or events (e.g., fire, panic, etc.). It is possible to arm the system with open zones but these zones should be bypassed for the system to be armed (see "Arming with Open Zones" on page 13).

3.1 Arming & Disarming via Keypad

3.1.1 System Messages During Arming

3.1.1.1 Arming with Closed Zones (normal arming)

Before arming the system, make sure all zones (except exit delayed zones – usually zones on exit route) are closed: make sure that in the keypad

display above/below all the LCD zones numbers there is not a ▦ sign blinking or an opened zone indication.

The system can be activated using one of the following codes: **User Code, Short Code, and Master Code**

After entering one of these codes, the green control LED shall begins to blink, a beep will be heard from the keypad, and the display will show the exit delay message:

```
Arming...
Exit Delay 25
```

At the end of the exit delay, the green control LED shall stop to blink and stay on, the beep will stop, and the display will show the following message: "System Armed"

3.1.1.2   Arming with Open Zone(s)

When activating the system with one or more opened zones (that are not on the exit route, i.e., exit delayed zones), the keypad will produce a fast-beep and the display will show:

```
Open Zone! Press
OP:TOM ROOM
```
...
```
Bypass or END
OP:FRONT DOOR ◄
```
Scrolling line: Open Zones & Events

To bypass open zones: ☞ **3** (BYPASS) open zones are bypassed & system armed

To cancel arming: ☞ **END** system returns to normal operation mode

3.1.2 Arming with Master Code

☞ Master Code ...
```
User Menu
Choose 1,2...
```
 ☞ **1** (ON/OFF)

NOTE:
The system's default Master Code is: **5555**

3.1.3 Arming with User Code and/or Short Code

Pressing the code shall arm the system immediately:

☞ Short Code

☞ User Code

3.1.4   Arming the System to HOME Mode

Arming to "HOME 1": **[4]** HOME 1   ☞   Short Code or User Code

Arming to "HOME 2": **[7]** HOME 2   ☞   Short Code or User Code
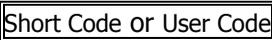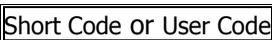
> **NOTE:**
>
> After long pressing the HOME key (i.e. **[4]** HOME 1 or **[7]** HOME 2) and entering the short/user/master code, the following message is displayed: HOME 1 or HOME 2 according to the pressed key

3.1.5   Fast Arming

To quickly arm the system, if enabled by technician:

★ Full Arming: **[1]** ON/OFF

★ Arming HOME 1:   **[4]** HOME 1

★ Arming HOME 2:   **[7]** HOME 2

> **NOTE:**
>
> Exit delays in HOME 1 and HOME 2 can be disabled by technician.

3.1.6   Arming via the User Menu

If user is enabled by technician to enter the User Manu:

☞ User Code | User Menu
Choose 1,2... | ☞ **[1]** ON/OFF
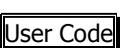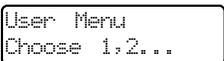
If user is not enabled by technician to enter the User Menu, it can still be accessed as follows:

[0] PROG. ☞ User Code | User Menu
Choose 1,2... | ☞ **[1]** ON/OFF

3.1.7 Arming with Keyfob

Indication LED: lit when keyfob buttons pressed

Disarming

Relay

Arming

Panic: pressing *simultaneously* both these buttons for 3 seconds
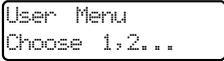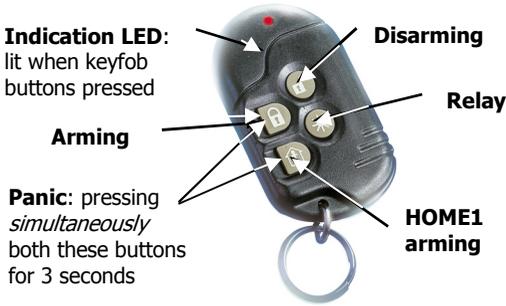
HOME1 arming

VISONIC's keyfob is designed for PIMA's IO-W wireless receiver. The keyfob remote control includes 4 buttons that allow 5 actions: arming, disarming, HOME1, relay control and panic. Up to 24 keyfobs can be added to HUNTER-PRO RSA Intruder Alarm System.

3.1.7.1   Allocating Keyfob to User

☞ Master Code … `User Menu / Choose 1,2...` ☞ **9** ☞ **NEXT** the first user

allocated to the system will appear (for example `User 1    (1) / ENTER/NEXT/END`) scroll with

NEXT and **BACK** keys until designated user/or enter the user's number

☞ **ENTR** ☞ **NEXT** X6 `Add keyfob? / ENTER/NEXT/END` ☞ **ENTR**

`Add keyfob? / Activate device` ☞ press one of the keyfob's buttons and wait
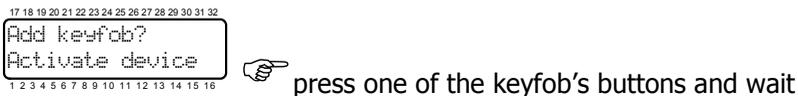
confirmation `Device added! / ENTER/NEXT/END` ☞ **END** to exit.

★ To allocate a different keyfob to a different user repeat this operation with the new designated user and keyfob

★ After allocating keyfob to user the letter K will appear on the user code screen

NOTE

Up to 24 user code can be programmed and in addition 24 keyfobs.

3.1.7.2   Canceling Keyfob for User

👉 Master Code ··· User Menu / Choose 1,2... 👉 CODE 9 👉 SERVICE NEXT the first user
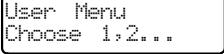
allocated to the system will appear (for example
```
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
DANNY              (1)K*
ENTER/NEXT/END
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
```
) scroll with

NEXT and BACK keys until designated user/ or enter the user's number /or the

designated code 👉 ENTR 👉 BACK
```
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
Delete keyfob?
ENTER/NEXT/END
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
```
  👉 ENTR

```
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
Delete keyfob?
Please wait..
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
```
  wait for confirmation
```
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
Device deleted!
ENTER/NEXT/END
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
```
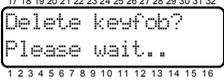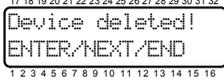
👉 END END END to exit.

★ To cancel a different keyfob to a different user repeat this operation with the new designated user and keyfob

★ After canceling keyfob for user the letter K will disappear from the user code screen

3.2   Arming/Disarming with Key

HUNTER-PRO RSA can be armed/disarmed with a key. Turn to the technician in order to install this feature.

> **NOTE:**
> It is possible for the technician to program the system to produce a short beep when the system is armed/disarmed with the key.

3.3   Disarming the System

3.3.1 Disarming the System with User Code

👉 Master Code**/** Enabled User Code**/** 0️⃣ long press + User Code 👉 ON/OFF 1

NOTE:

If the system does not turn to Disarm state, make sure that the time is included in the preset time frame that enables disarming the system (see section 4.1.2.5 in "Programming User Codes")

3.3.2 Disarming the System with Master Code

☞ Master Code | User Menu
Choose 1,2... | ☞ ^{ON/OFF} **1**
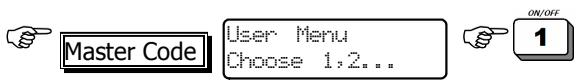
3.4 Remote Control via Touch-tone Phone

The alarm system can be remote-controlled via any touch-tone telephone, including cellular phone. The system can be controlled from the moment there is communication between the system and the telephone, whether the system called the telephone, or when initiated by the user as following described.

1. Dial the telephone number the system is connected to

2. Wait for the system's confirmation tone (a long tone followed with two beeps)

3. Enter Master Code (note **NOT** to enter the code before the end of the confirmation tone)

4. Wait a few seconds until the alarm system confirms its status, using one of the two following tones:

       Continuous tone: System disarmed

       Beep   System armed

NOTES:

- The system will not identify commands from the telephone while sounding the confirmation tone. It is important to wait until to confirmation tone is over before pressing the telephone keys that control the system.
- The alarm system confirms the command was received by two short beeps.

There are two modes for controlling the system, as set by the technician

3.4.1 MODE A - One touch control

5. Execute command by pressing a key on the phone.
    The following table includes system's commands by phone keys:

Phone key:	Function:
1	Arm the system
2	Disarm the system
4	Arm the system in "Home 1" mode
5	Switch on the Relay
6	Switch off the Relay
7	Arm the system in "Home 2" mode
8	Listen in (only available with a MIC-200)
0	Disables siren and dialer (in case of an alarm)

3.4.2 MODE B - Enhanced control

IMPORTANT!

To activate each of the outputs: ☞ [*] & allocated phone keys

To deactivate each of the outputs: ☞ [#] & allocated phone keys

General	Control panel	Output card	Expanders
00 - Disable siren and dialer	11 - Siren	21 - Output no.1	31 - Expander no.1 output
01 - Arm	12 - Siren	22 - Output no.2	
02 - Disarm	13 - Relay	.	32 - Expander no.2 output
04 - Home 1	14 - SMOKE detector	.	
07 - Home 2	15 - ON/OFF output	.	33 - Expander no.3 output
08 - Listen-in	16 - ALARM output	28 - Output no.8	

NOTE

- During communication time between system and telephone, the following display will appear: Other keypad in use
- If the system receives no command within a minute, it will disconnect from the line and return to normal operation.

Examples

★ Disarm the system:

Dial and wait for confirmation tone ☞ Master Code and wait for

confirmation tone ☞ on telephone keys: [#] [0] [2]

★ Activate output No.5 on output card OUT-1000:

Dial and wait for confirmation tone ☞ Master Code and wait for

confirmation tone ☞ on telephone keys: [*] [2] [5]
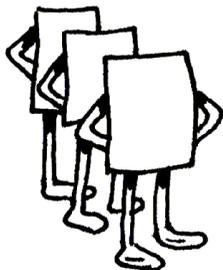
CH. 4: PROGRAMMING & OPERATION

4.1 Programming Codes

A code is a combination of numbers that allows programming, arming, disarming the system and more. During the programming process, the keypad's display will show the name of the code you want to program. At any stage of the programming, it is possible to return to the main menu by pressing the END key.

IMPORTANT!

Pay attention that HUNTER-PRO RSA has a code-control feature that does not allow entering identical codes. For example, if one of the user (or master) codes is programmed as 1010, any attempt to program a new code as 1010 or starting with 1010 (e.g., 10101, 10102, 10103, etc.) will display an error message.

4.1.1 Programming Master Code

The default Master Code is: **5555**.

The Master Code can ONLY be changed with the master code.

The Master Code is used for accessing memory and programming different function as described further. It is also possible to arm and disarm the system with the Master Code.

IMPORTANT!

Pay attention that the code need to be between 4 and 6 digits:

☞ [Master Code] … | User Menu / Choose 1,2... | ☞ **9** (CODE) | Master Code / ENTER/NEXT/END

☞ **ENTR** ☞ [New Master Code] ☞ **ENTR**
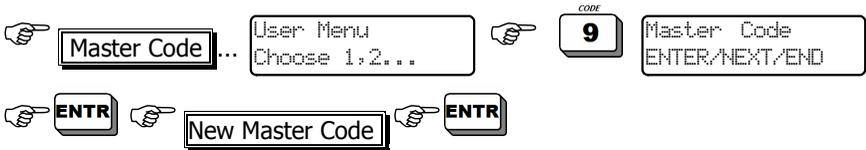
⚠ **IMPORTANT!**
For better protection, change the default code after installation.

4.1.2 Programming Users

The User Codes are mainly for arming and disarming, but depending on the user's authorization level, the user can also go into the User Menu and perform various tasks as viewing memory changing other users settings, program telephone numbers, etc.

HUNTER-PRO RSA holds up to 24 different User Codes, 4 to 6 digits each.

See "Entering User Menu" on page 11 for a description on how to access the User Menu with User Code.

📡 **NOTE:**
A name can be programmed for each user, a time frame in which he will be able to disarm the system, allocated to one partition or more and specific authorizations.

☞ [Master Code/ Enabled User Code/ **0** long press + User Code] ☞ **9** (CODE)

The following screen will appear: | Master Code / ENTER/NEXT/END | (Master Code)

☞ **NEXT** (SERVICE) | User 1 ＊ / ENTER/NEXT/END | ☞ [Enter user number (1-24)]
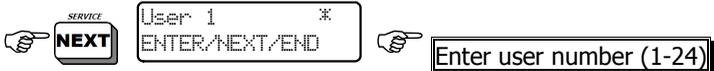
📡 **NOTE:**
An asterisk (*) placed to the right of the user's name means that the user has valid code programming.

Following are the different options with user programming

4.1.2.1　　Changing (adding new) User Code

```
User 1
ENTER/NEXT/END
```
(Use **NEXT** and **BACK** to reach designated user / press user's

number) 👉 **ENTR**
```
Entr/Change Code
ENTER/NEXT/END
```
👉 **ENTR**
```
User 1
xxxxxx    (4-6)
```
👉 New

User Code (4 to 6 digits) 👉 **ENTR**.

4.1.2.2　　Deleting User

```
User 1
ENTER/NEXT/END
```
(Use **NEXT** and **BACK** to reach designated user / press user's

number) 👉 **ENTR** 👉 **NEXT**
```
Delete Code
ENTER/NEXT/END
```
👉 **ENTR**

> **IMPORTANT!**
>
> After pressing **ENTR**, all user settings will be deleted!

4.1.2.3　　Entering User Name

```
User 1
ENTER/NEXT/END
```
(Use **NEXT** and **BACK** to reach designated user / press user's

number) 👉 **ENTR** 👉 **NEXT** **NEXT**
```
User Name
ENTER/NEXT/END
```
👉 **ENTR**

```
User Name 1
User 1
```
👉 Enter name 👉 **ENTR**.

How to Select and Enter Characters?

Each numeric code-entry key has characters associated with it the same as with standard cell phone letters. The number of key depressions you make

determines which character is selected, e.g. the numeric key **6** represents 'MNO6'. To select 'M', press the key once; to select 'O', press the key three times. See bellow for all keys and their associated characters.

★ Pressing the **NEXT** key: moves the cursor forward one character

★ Pressing the **BACK** key: moves the cursor backwards one character

★ Pressing the **ENTR** key: saves the data

★ Pressing the **#** (RESET) key clears the display

> **NOTE:**
> - User Name includes up to 8 characters (letters or digits)
> - Each arming/disarming will enter the memory along with the user name, date and time (see section "Memory Display" on page 33)
> - The order of the ABC letters is identical to that in a cellular phone

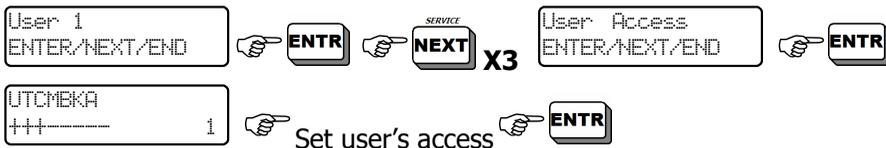| . , ? ! 1	A B C 2	D E F 3	Cancel
ON/OFF **1**	MEMO. **2**	BYPASS **3**	**END**
G H I 4	J K L 5	M N O 6	Next char.
HOME 1 **4**	ZONE **5**	PHONE **6**	SERVICE **NEXT**
P Q R S 7	T U V 8	W X Y Z 9	Prev. char.
HOME 2 **7**	CLOCK **8**	CODE **9**	**BACK**
( ) / * : - + #	Space, 0		Save
CHIME *****	PROG. **0**	RESET **#**	**ENTR**

The following example illustrates writing the word '7PIR':

Character	Key Pressed	No. of presses	Follow Key
7	HOME 2 **7**	5	SERVICE **NEXT**
P	HOME 2 **7**	1	SERVICE **NEXT**
I	HOME 1 **4**	3	SERVICE **NEXT**
R	HOME 2 **7**	3	**ENTR**

4.1.2.4 Modifying User Access

```
User 1
ENTER/NEXT/END
```
☞ **ENTR** ☞ *SERVICE* **NEXT** **X3**
```
User Access
ENTER/NEXT/END
```
☞ **ENTR**

```
UTCMBKA
+++----    1
```
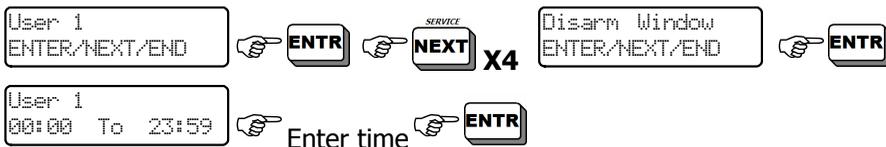☞ Set user's access ☞ **ENTR**

> **NOTE:**
> - To scroll on Access Bar, use *SERVICE* **NEXT** and **BACK** keys.
> - Marking a "+" under a parameter's letter authorizes the user to program this parameter. Marking a "-" denies this possibility.
> - In order to change the mark from "-" to "+" (and vise versa) press *RESET* **#**
> - To save data press **ENTR**

User Access Bar (parameter letters)

U User can program User Codes

T User can program phone numbers

C User can program time and date

M User can view the Memory Log

B User can bypass zones

K User can operate partition via any keypad (when using partitions)

A User can program auto-arming parameter

4.1.2.5 Programming Users' Disarming Time Period

```
User 1
ENTER/NEXT/END
```
☞ **ENTR** ☞ *SERVICE* **NEXT** **X4**
```
Disarm Window
ENTER/NEXT/END
```
☞ **ENTR**

```
User 1
00:00  To  23:59
```
☞ Enter time ☞ **ENTR**

This feature sets the time frame (start and end time) in which the user can <u>disarm</u> the system. By default, the user time is not limited (i.e., start: 00:00; end: 23:59).

4.1.2.6   **Programming User Partitions**

| User 1 |
| ENTER/NEXT/END |

☞ **ENTR** ☞ **NEXT** *SERVICE* **X5**

| Partitioning |
| ENTER/NEXT/END |

☞ **ENTR**

| Part. For User1 |
| ++++++++++++++++ |

☞   Set user's partitions ☞ **ENTR**

This feature links a user to a partition(s). When creating subsystems, there is also a keypad linked to each split (done by the technician), therefore the user can only arm/disarm and view the linked partition using the designated keypad. To enable a user to control his partitions from any keypad, the option "**K**" on the authorization bar should be set to '**+**'.

With standard system installation (i.e. no partitions), all users are assigned by default to all partitions.

4.1.3 Programming Door Code

This code controls the system's relay, for opening and closing electric gates, activating video cameras, and more. The relay can be controlled manually (directly pressed on keypad) and remotely via telephone (see section 3.4 "Remote Controlling via Telephone").

> **NOTE:**
> - Each entering of a Relay Code changes the relay's status (ON to OFF and vise versa), OR the technician can program to activate it according to a preset time.
> - When the relay is ON, the letter "R" appears on the display, left to the time.
> - The Code is between 4 to 6 digits.

☞ Master Code**/** Enabled User Code**/** ⓪ long press + User Code ☞ **9** *CODE*

The following screen will appear:

☞ **BACK**

| Door Code |
| ENTER/NEXT/END |

☞ **ENTR** ☞ Enter new code (4 to 6 digits) ☞ **ENTR** to save new relay code press **END** **END** to exit.
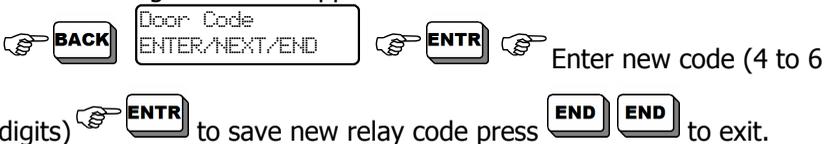
4.1.4 Programming Short Code

This two-digit code can only arm the system.

☞ Master Code**/** Enabled User Code**/** 🔟 long press + User Code ☞ CODE **9**

☞ **BACK** **X2** Short Code ENTER/NEXT/END ☞ **ENTR** ☞ Enter new code (2 digits)
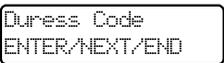
☞ **ENTR** to save

Press **END** **END** to exit.

4.1.5 Programming Duress Code

This code is useful when the system is connected to a security station. The Duress code will disarm the system (if armed) and trigger the Silent Alarm, sending a duress signal to the security station without activating the sirens. Note the code is between 4 to 6 digits:

☞ Master Code**/** Enabled User Code**/** 🔟 long press + User Code ☞ CODE **9**

The following screen will appear:

☞ **BACK** **X3** Duress Code ENTER/NEXT/END ☞ **ENTR** ☞ Enter new code (4 to 6

digits) ☞ **ENTR** to save

Press **END** **END** to exit.

4.2 Programming Time and Date

Time and date are constantly displayed on screen, used for the User Code's time frames and are included in the system's memory log.

Make sure the time and date remain accurate because of the memory log and automatic arming:

☞ | Master Code**/** Enabled User Code**/** 🔲 long press + User Code | ☞ **8** CLOCK

The following screen will appear:

Hour
00:00 ☞ Enter time ☞ **ENTR** | Day Month Year
01   01   05 ☞

Enter date ☞ **ENTR**

NOTES:
- Enter time in 24:00 (HH:MM) format and date in day/month/year format
- The system will not accept meaningless data, such as 25:25 time. In such a case an error message will appear. To correct, press the **END** key and enter time again.

4.3 Automatic Arming

The system can be automatically armed with one of the following three options: 1. At a preset time; 2. After silent-time period; 3. Silent time can be programmed per partition (by technician)

At the preset time or after silent-time period, the system will commence auto-arming unless it was armed before that time. This feature is valid for all weekdays.

The system can detect movement in the protected area via its connected detectors and sensors, therefore, it can identify no-movement hence there is no one in the protected area.

NOTE:
The silence (no movement) timer will start counting down ONLY if no immediate zone are open and after the last zone to close is the exit delayed zone (i.e. the exit door). Any immediate zone opening will terminate the countdown.

When the system starts auto-arming, the display will show "Automatic Arming" and a 45 seconds 'warning countdown' will start, indicating the arming countdown is to follow. Note that during the 'warning countdown' the keypad will beep. During the 'warning countdown', any disarming code can cancel the auto-arming process.
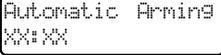
After the 'warning countdown' is over, the system will begin regular arming process, including exit delay and beeps from the keypad.

4.3.1 Programming Auto-Arming at Preset time

☞ Master Code**/** Enabled User Code**/** 🔲 long press + User Code ☞ **0**

The following screen will appear:

```
Automatic Arming
ENTER/NEXT/END
```

Press **ENTR** and move to the next screen:
```
Automatic Arming
XX:XX
```
☞ **ENTR**

☞ Time in which the system will be armed (HH:MM)

NOTE:
To cancel Auto-Arming, the Automatic Arming programming needs to be repeated, and the time to be set as 00:00.

Press **ENTR** to save programming and move to the next screen.

4.3.2 Programming Auto-Arming after Silent-Time Terminated

☞ Master Code**/** Enabled User Code**/** 🔲 long press + User Code ☞ **0**

☞ **ENTR** **ENTR** In the following screen, enter the Silent-Time period (in minutes) after the system commences auto-arming:

```
Silence Time
X    Minutes
```
☞ Silence Time in minutes (250 minutes max)

☞ **ENTR**
```
SilentTime Part.
++++++++++++++++
```
mark with "+" the partitions designated for

automatic arming/silent time: use **#** key in order to change mark from

"-" to "+" and vise versa, and **NEXT** **BACK** keys to scroll back/forth between partitions.

> **NOTE:**
>
> Marking "+" above partition number will activate that partition with feature. "-" will not.

Press **ENTR** to save programming and move to the next screen.

4.4 Private Dialer Telephone Numbers

HUNTER-PRO RSA system has four private dialer telephone numbers.

The dialer will dial each phone number in two sets (i.e. total of 8 attempts) and trigger an alarm warning sound, when the call is 'picked'. After the warning sound is over, the system awaits for remote-controlled commands that can be transmitted via the telephone used by the system. The system shall hang-up after a minute of not receiving any command (Remote Control via Touch-tone Phone on page 17).

> **NOTE:**
>
> In case a Voice-Unit is connected to the system, once the call is picked-up, there is a recorded message, and not a warning sound.

The dialer aborts the dialing attempts in the following cases:

★ The system's status changes from ON to OFF
★ A "Stop Dialer" command was received via telephone. The first Private Dialer User that gives an 'abort' command causes the other Private Dialer Users in the phone list will not receive the system's report.
★ All Private Dialer Telephone Numbers have been dialed twice

4.4.1 Programming Telephones

It is possible to combine the process of entering/deleting/changing programmed telephone numbers once in the Telephone Menu.

☞ | Master Code**/** Enabled User Code**/** 0 long press + User Code |

☞ **6** ☞ Enter Telephone number no. 1 ☞ **ENTR** ☞ Enter telephone

number no. 2 ☞ **ENTR** ☞ Enter Telephone number no.3 ☞ **ENTR**

☞ Enter Telephone number no.4 ☞ **ENTR** ☞ **END** to exit.

4.4.2 Deleting a Programmed Telephone Number

To delete a programmed telephone number, press the **#** key instead of
the telephone number.

4.5   Chime

Programming the "Chime" feature enables to control opening/closing doors
and windows by activating the keypad's buzzer for two seconds each time
a door/window is opened. This feature is especially useful when there are
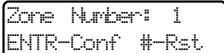small children in the house, or in shops.

> **NOTE:**
> The "Chime" feature is only enables when system is disarmed.

4.5.1 Programming Chime Zone

☞ | Master Code**/** Enabled User Code**/** 0 long press + User Code | ☞

☞ ***** | Zone Number: 1
 ENTR-Conf #-Rst | ☞ Enter zone number ☞ **ENTR** to confirm

or **#** to release.

On the display the letter "⊡" shall appear above/below the zone programmed
to trigger the chime, and the screen will move to the next zone.

Press **END** **END** to exit.

4.5.2 Temporary Cancellation of Chime

Temporary cancellation of chime is valid for all zones:

☞ [*] *CHIME*

Press and hold the [*] *CHIME* key to enable/disable the chime feature according to the state in which the system is in; the display will show one of the following messages:

★ Chime ON
★ Chime OFF

4.6 Panic

To activate panic, press and hold simultaneously the [#] *RESET* and [*] *CHIME* keys for two seconds.

> **NOTE:**
> You can customize your system's response to a panic event, for example, calling the Monitoring Station or your private telephone number, activate a relay (video camera), activate siren, etc. Consult your installer about programming the appropriate Panic Response for your needs.

4.7 Smoke and Fire Detectors Alarm

In case an alarm is triggered due to smoke/fire detectors, press and hold the [#] *RESET* key (until a confirmation sound) in order to reset and release the detector.

4.8 System Tests

This feature tests that the back-up battery, siren and telephone line are in order.

☞ Master Code**/** Enabled User Code**/** [0] long press + User Code ☞ BACK

Follow the test process displayed on the screen in case fault messages appear.

4.9   Canceling Keypad Buzzer

The keypad produces a variety of sounds at times of pressing a key, confirming a long-press, during countdown, disarming the system, and so on.

Simultaneously pressing the **END** and **ENTR** keys activates/cancels this feature.

NOTE:

When the buzzer is cancelled no sounds will be produced from this specific keypad.

4.10 Bypassing Zones

This feature is used for temporary bypassing of zone/s, for example in case of a fault.

☞ Master Code**/** Enabled User Code**/** **0** long press + User Code ☞

3 ⌜Zone number: 1 ⌐ ☞ Enter zone number ☞ **ENTR** to confirm or
⌞Entr-Conf #-Rst⌟

to release.

In PIMA Display, the letter "B" will appear above/below the bypassed zone/s, and display will continue to the next screen.

Press **END** **END** to exit.

NOTES:

The technician can limit the time window for a bypassed zone before the system is armed.

4.11 Memory Log

The system memorizes up to past 410 events and operations in a chronological order.

> **IMPORTANT!**
> The last 128 events are non-volatile.

4.11.1 Accessing Memory Log Manually

☞ Master Code/ Enabled User Code/ **0** long press + User Code ☞

2 ☞ scroll events using **NEXT** and **BACK**.

Press ***** to jump 10 next events, in one key-press.

Press **#** to jump 10 events back, in one key-press

4.11.2 Memory Log Display

Includes arming and disarming, along with user name and code, and any zones bypassed prior to arming. The list of the bypassed zones is presented before those of the arming.

Example #1
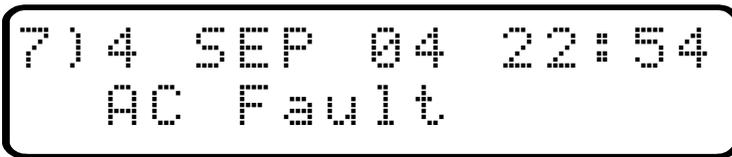
Event Number Event Date & Time

```
2)1 SEP 04 21:20
   Burgl ALARM 4
```

Zone type Event Zone Number
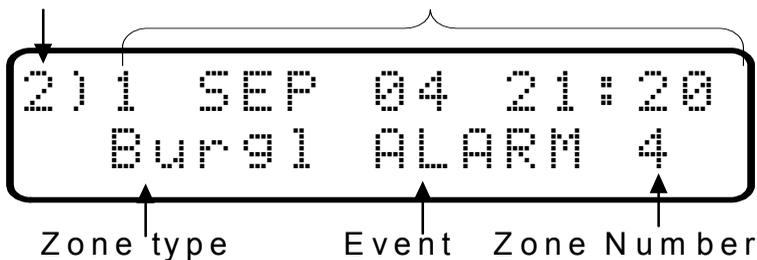
Note that at a time of an alarm, in addition to the screen above, another screen automatically appears with the zone's name:

Example #2

```
2)1 SEP 04 21:20
    Kitchen
```
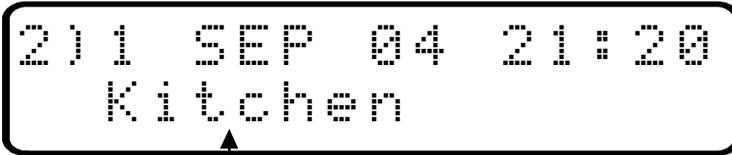
Zone name

Example #3

```
7)4 SEP 04 22:54
    AC Fault
```

4.12 System Display

HUNTER-PRO RSA has two system status displays, and seven types of zone status display. The two system status displays are:

★ **Fast Display:** All the zones and their status appear in a single screen

★ **Scrolling Display:** A detailed description of the zones and their status, each zone in a different screen, and automatically appearing one after the other.
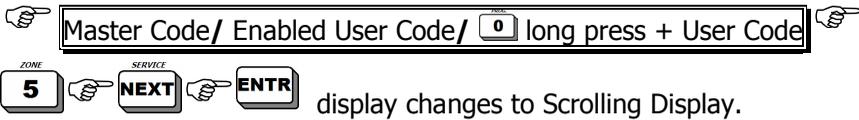
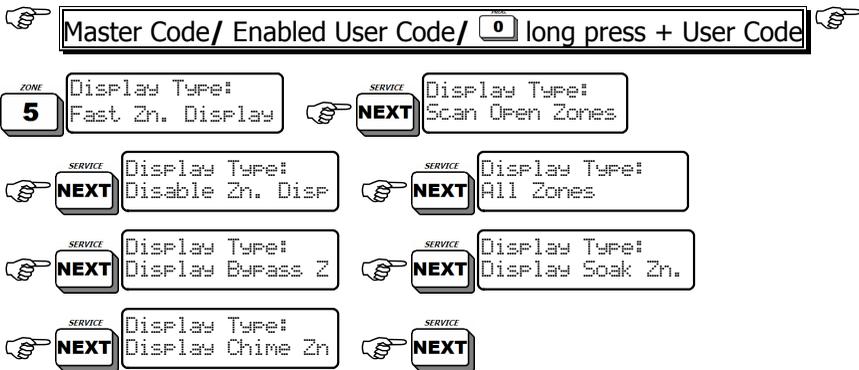In order to choose display types:

4.12.1 Fast Zone Display

☞ Master Code**/** Enabled User Code**/** 0 long press + User Code ☞

5 ☞ ENTR display changes to PIMA Fast Display.

4.12.2 Scrolling Zone Display

☞ | Master Code**/** Enabled User Code**/** [0] long press + User Code | ☞

[5] ☞ [NEXT] ☞ [ENTR]   display changes to Scrolling Display.

4.12.3 Zone Status Display

☞ | Master Code**/** Enabled User Code**/** [0] long press + User Code | ☞

[5] `Display Type: Fast Zn. Display`   ☞ [NEXT] `Display Type: Scan Open Zones`

☞ [NEXT] `Display Type: Disable Zn. Disp`   ☞ [NEXT] `Display Type: All Zones`

☞ [NEXT] `Display Type: Display Bypass Z`   ☞ [NEXT] `Display Type: Display Soak Zn.`

☞ [NEXT] `Display Type: Display Chime Zn`   ☞ [NEXT]

IMPORTANT!

- Pressing [ENTR] in "All Zones"/"Bypassed Zones"/"Soak Zones"/"Chime Zones" screens gives a detailed description of the zones in this category.
- For wireless zone, the letter "W" will appear along with the zone name.

CH. 5: TROUBLESHOOTING

NOTE:

If more then one failure is detected, the display will scroll the failure list one after the other. If more than one keypad is connected to the HUNTER-PRO, and you are programming the system from one keypad, then the display on all other keypad will display: `Other Keypad in Use`. This will also be displayed whenever someone is in control of the HUNTER-PRO RSA via telephone.

The following table describes the possible Alarm System Faults:

Displayed Fault	What can I do?
`Battery`	Wait approximately 24 hours for the indication to disappear. If the fault indication persists longer then one day, the back-up battery should be replaced.
`Mains Fault`	Usually appears during a power failure. If other electrical appliances in the house are operating, check the switch or fuse to which the alarm system is connected. If the cause of the fault is unclear, call the technician.
`Clock`	Appears following a prolonged power failure during which the backup battery was completely discharged. Set time and date (see section 4.2)
`Phone`	Perform "system self-test" (see section4.8). Verify during the test that other instruments connected to the Alarm System's telephone line (i.e., telephone sets, facsimiles, etc.) are not active. If the fault persists, call the technician.
`Tamper 1`	Tamper switch 1 is open. Call the technician.
`Tamper 2`	Tamper switch 2 is open. Call the technician.

Low Voltage	Appears before the back-up battery is completely discharged, usually after a prolonged power failure. Follow instruction for low battery failure.
Zone Fault	One of the protected zones is faulty. Call the technician.
ROM Fault	Software failure. Call the technician.
RAM Fault	System failure. Call the technician.
MS COM Fault	Failure to communicate with Monitoring Station. Call the technician.
Detec Vol. Fault	Detector power supply. Call the technician.
Keypad not connected	No communication between the keypad and the HUNTER-PRO motherboard. Call the technician.
GSM Unit Fault	GSM unit not connected/operating properly. Call the technician.
GSM Link Fault	Bad reception or blocking of GSM channel. Call the technician.
GSM Card Fault	No SIM card detected. Call the technician.
GSM Comm. Fault	Fault in communication between GSM and MS. Try to initiate another dial. If doesn't work, call the technician.
Wireless System	Wireless receiver unit not connected/working properly. Call the technician.
W/L Unit Tamper	Check that wireless receiver box is properly closed. If problem remains, call technician.
Wireless Jamming	The wireless receiver is jammed. Call the technician.
Ext. Bell Fault	No connection between panel and external Bell. Call the technician.
Int. Bell Fault	No connection between panel and internal Bell. Call the technician.

5.1 Zones Names

Zone No.	Partition No.	Zone Name
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

Zone No.	Partition No.	Zone Name
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		