



# ORBIT-14

## User's Manual

## Important Notice

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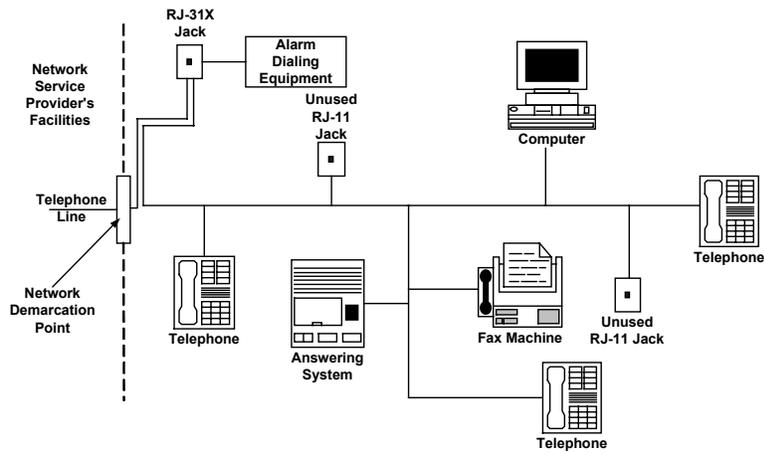
# Customer Information

## RTTE Compliance Statement

Hereby, Rokonet Electronics Ltd. declares that ORBIT-14 (RP214MC0000A) with wired accessories (including cables) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

## Telephone Connection (Ref.: FCC Part 68)

1. This equipment, Alarm Control Panel, brand named ORBIT-14 (RP214MA0000A), complies with Part 68 of the FCC Rules and the requirements adopted by the ACTA. On the bottom panel of this equipment is a label, that contains among other information, a product identifier in the format US:RKEAL10BRP214MA. If requested, this number must be provided to the telephone company.
2. This equipment is designed to be connected to the telephone network using a terminal block, which is Part 68 compliant and properly installed RJ31X connector. See Installation Instructions for details.
3. The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN of alarm system is part of the product identifier that has the format US:RKEAL10BRP214MA.
4. If the Alarm Control Panel causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, you will be notified as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if it is necessary.
5. The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
6. If trouble is experienced with the Alarm Control Panel for repair or warranty information please contact: Rokonet Industries USA Inc 2822 NW 79th Ave. Miami, Florida 33122 USA, phone number 305 592 3820, URL: sales@rokonetusa.com. If the equipment is causing harm to the telephone network, the telephone company may request to disconnect the equipment until the problem is resolved.
7. The control panel is described in the Installation Manual. Connection to telephone company provided coin service is prohibited. Connection to party lines service is subject to state tariffs.
8. Alarm Control Panel must be able to seize the telephone line and place a call in an emergency situation. It must be able to do this even if other equipment (telephone, answering system, computer modem, etc.) already has the telephone line in use. To do so the alarm control panel must be connected to a properly installed RJ31X jack that is electrically in series with and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the figure below. If you have any questions concerning these instructions, you should consult your telephone company or a qualified installer about installing the RJ31X jack and Alarm Control Panel for you.



### Customer Premises Equipment and Wiring

#### **Radio Frequency Interference (Ref.: FCC Part 15, Para. 15.105)**

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced Radio/TV technician for help.

#### **Changes or Modifications (Ref.: FCC Part 15, Para. 15.21 and 15.27)**

Changes or modifications to this unit not expressly approved by Rokonet, Ltd., could void the user's authority to operate the equipment.

## Summary of User's Commands

Function	Procedure
System Arming	[User Code] + [Arm]
Group Arming	[User Code] + [Stay] + [Group Number:: 1/2/3 / 0=All Groups]
System Disarming	[User Code]
Duress Disarming	[Duress Code]
Silencing an Alarm	[User Code]
Bypassing / Unbypassing a Zone	[ * ] + [ 1 ] + [User Code ] + [ 2 digit zone number to be bypassed / unbypassed]
Quick Bypassing Zone	[ * ] + [ 1 ] + [ 2 digit zone number to be bypassed / unbypassed]
Reset Smoke Detector(s)	[ * ] + [ 2 ] + [User Code ] + [Smoke Output No.]
Utility Output Operation	[ * ] + [ 2 ] + [User Code ] + [Utility Output No.]
Display Troubles	[ * ] + [ 3 ]
Display Memory	[ * ] + [ 4 ]
Setting/Changing a User Code	[ * ] + [ 5 ] + [1] + [Master Code] + [2 Digit User No. to be set/changed] + [New Code]
Setting User Authority Level	[ * ] + [ 5 ] + [2] + [Master Code] + [2-digit User Number to be set/changed] + [Authority Level No.: 0 = User, 1 = User Un-Bypass, 2 = Cleaner, 3 = Service]
Set Date	[ * ] + [ 6 ] + [ 1 ] + [Master Code] + [MM] [DD] [YY]
Set Time	[ * ] + [ 6 ] + [ 2 ] + [Master Code] + [HH] [MM]
Set Auto Arm Time	[ * ] + [ 6 ] + [ 3 ] + [Master Code] + [HH] [MM]
Set Follow-Me Phone	[ * ] + [ 7 ] + [ 1 / 2 / 3 / 4 ] + [Master Code] + Phone No. + [ # ]
Erase Follow-Me Phone	[ * ] + [ 7 ] + [ 1 / 2 / 3 / 4 ] + [Master Code] + [ # ]
Maintenance: On/Off Buzzer	[ * ] + [ 8 ] + [Master Code] + [1]
On/Off Door Chime	[ * ] + [ 8 ] + [Master Code] + [2]
On/Off Audible Kiss-Off	[ * ] + [ 8 ] + [Master Code] + [3]
Get Event From Event Logger (LCD Keypad)	[ * ] + [ 9 ] + [Master Code]
Test System	[ * ] + [ 0 ] + [Master Code]

Trouble Table	LED	Trouble
	1	Low Battery
2	AC Power Loss	
3	Clock Not Set	
4	Communication Trouble	
5	Bell Loop Trouble	
6	Phone line cut	
7	Bell/ Box/ Keypad Tamper	
8	Day Zone Trouble	



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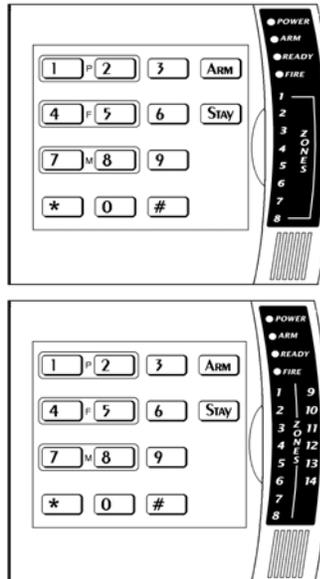
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# Section 1: Getting Acquainted

## Introduction

Congratulations on your purchase of Rokonet's **ORBIT-14** Security System. The **ORBIT-14** has been specifically designed to meet a wide range of security needs for many residential and small commercial applications. You communicate with your **ORBIT-14** through its **keypad(s)**. Using its keys, you can issue commands to your system. In turn, the system can communicate information to you via its indicators and by the sounds it makes.



Your **ORBIT-14** security system also consists of a variety of **sensors, detectors, and contacts** placed throughout the premises and designed to recognize abnormal conditions. Typically, your system protects against **intrusion**. Some systems may also have **fire** protection or **environmental** protection (such as **gas** or **water level sensors**).

All of your system's detectors, sensors, and contacts are wired to the **control panel**. As such, your system always knows the status of any protected door, window, hallway, room, or area. Similarly, it knows if a smoke detector has been activated.

The control panel, which contains the system's electronics and **backup battery**, functions in the background and, for purposes of security, is installed out of sight.

This User's Manual contains all the information needed to operate your Rokonet ORBIT-14 Security System and to get the most from it.

## Terms and Definitions

Becoming familiar with the following terms and definitions will help you to better understand and use your system.

**Authority Level:** Each individual using the system is assigned a user code, which, in turn, is linked to an Authority Level. Users with a "higher" authority level have access to a greater number of system functions, while those with a "lower" authority level are more restricted in what they may do. There are five different Authority Levels available for users of the ORBIT-14, as described on page 12.

**Away Arming:** This type of arming is most often used when the premises are empty. All of the system's intrusion detectors are ready to sound an alarm, if violated.

**Bypass:** It may be convenient to have one (or more) of the zones in your installation **bypassed** and thus ignored by your system. You can bypass a zone by using a user code or alternatively you can perform Quick Bypassing without a user code. Quick Bypassing is determined during the installation mode.

**Central Station:** Besides producing audible alarms at your premises, it's likely that your system is set up to report alarms to a **Central Station** – a facility which continually monitors the activities of security systems, usually via the telephone network, and dispatches the proper authorities as required.

**Chime:** The chime is a short keypad tone, which can be set to annunciate the violation of selected intrusion zone(s) during the *disarmed* period. For example, the chime tone can be used to annunciate the arrival of a customer each time the front door opens. The chime can be enabled or disabled at your discretion.

**Day Zone:** A Day Zone is one in which a violation during the *disarmed* period results only in a trouble indication (see page 26). However, the same violation during the *armed* period will cause a full-fledged alarm.

**Duress Disarming:** If you are ever coerced into disarming your system, you can comply with the intruder's wishes while sending a *silent, duress alarm*, to the Central Station. To do so, you must use a special **Duress Code**, which will disarm the system in the regular manner, while simultaneously transmitting a silent alarm to the central station (see page 18).

**Event Log:** A list of system events can be displayed on an LCD keypad or uploaded to the alarm company via the Upload/Download software and printed for further analysis.

**Exit/Entry Delay:** Your security system must incorporate an entry/exit delay to allow proper entry and exit to and from the premises without causing inadvertent alarms. A delay period was defined during your system's installation to provide suitable time for your entry and exit.

**Follow-Me Phone:** In addition to the standard event reporting to the Central Station, the system can send alarm messages or tones to a designated system user's telephone. The Follow-Me function can support four phone numbers.

**Group:** A number of zones can be gathered as one unit to allow partial arming. Each zone can be assigned to any one (or a combination) of three groups.

**Keyswitch:** Your system may also be equipped with a keyswitch, which is useful for simple arming and disarming operations (usually at a remote location).

**Panic Button:** A special panic button can be installed at any preferred location to allow immediate and flexible alarm notification in time of distress.

**Quick Arming:** Arming without using a user code. For Away arming, simply press the **ARM** key. For Group Arming, use the **STAY** key with the group number. Quick Arming is determined during the installation mode. For more information, see page 14.

**Upload/Download:** Software used by the installer for programming the Orbit 14 and by the user for operating the system and viewing system status.

**Trouble Reporting:** If required, your security system may also report to the Central Station any troubles or malfunctions it senses, so that a service call can be made.

**User Code:** A four-digit code that is used to perform many of the ORBIT-14 functions.

**Utility Output (UO):** A household appliance. In addition to your system's normal operation, it is possible to place a household appliance or premises lighting under the control of the ORBIT-14 where it can be conveniently turned on and off automatically, or by user command from any system keypad.

**Voice Announcement Message:** An optional Voice Module can be added to your system. Up to three short messages can be recorded. These messages replace the alarm tones normally produced in the Follow-me mode.

**Zone:** A single detector, or collection of detectors, usually relating to a certain area of the premises or type of protection. Zones that use devices designed to detect break-ins are called intrusion zones. Another kind of zone may contain one or more smoke detectors. Such zones are called fire zones. Since a specific number distinguishes each zone, the ORBIT-14 can report the zone status and register all the zone's events reported by the zone detector.

## Section 2: Your Keypad

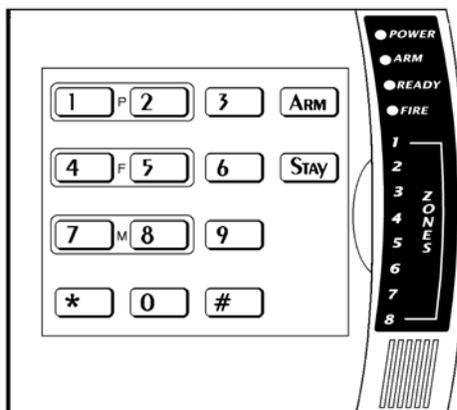
The ORBIT-14 can support up to 5 keypads, with a choice of four styles: LCD, 6 LEDs, 8 LEDs or 14 LEDs. This manual discusses the operation of the ORBIT-14 from the LED keypads.

This section discusses the keypad's visual indicators and the use of its keys. For operation from the LCD keypad refer to the LCD instruction manual.

### Visual Indicators

Each keypad in your system reports its status via its LED (lighted) indicators. Through its keys, you can enter commands to "arm" and "disarm" the system, bypass intrusion zones, report emergencies, silence an alarm in progress, as well as other useful functions.

The four LED indicators found at the upper right provide typical system indications, which are discussed herein. Some indicators have additional functions, which are discussed later on.



## Power LED

The **Power LED** indicates the status of system operation.

CONDITION	DESCRIPTION
<b>ON</b>	The system is operating properly from commercial (AC) power; its backup battery is in good condition.
<b>OFF</b>	The system is inoperative due to lack of power (from both commercial AC and backup battery); servicing is required.
<b>FLASHING</b> (Disarm State)	Indicates a trouble condition; for more information on displaying and attending to trouble conditions, see page 26.

### NOTE:

If a trouble condition exists, the **Power LED** will flash only when the system is in its disarmed state. Once the system is armed, a previously flashing **Power LED** will light steadily.

## Arm LED

The **Arm LED** indicates whether or not the system's intrusion detectors are armed.

CONDITION	EXPLANATION
<b>ON</b>	The system's intrusion detectors are <b>armed</b> ; subsequent violations of a protected point or area (e.g., a door, a window, unauthorized motion) will result in a burglar alarm.
<b>OFF</b>	The intrusion function of the system is <b>disarmed</b> .
<b>FLASHING</b>	Occurs when using the emergency keys on the keypad to send panic, fire or special emergency alarms, or when viewing alarms after disarming or when a tamper alarm has occurred in the system.

## Ready LED

The **Ready LED** indicates whether or not the system's intrusion zones are secured and ready to be armed.

CONDITION	EXPLANATION
<b>ON</b>	All intrusion zones are secure; the system is <b>ready</b> to be armed.
<b>OFF</b>	One or more intrusion zones are not secure and the system is <b>not ready</b> to be armed. Before the system can be armed, the condition must be addressed.
<b>FLASHING</b>	Indicates that one or more of the system's intrusion zones have been <b>bypassed</b> . For more information, see <i>Zone Bypassing</i> , page 19).

## Fire LED

The **Fire LED** is an indicator of a fire alarm in the system.

CONDITION	EXPLANATION
<b>ON</b>	A <b>fire alarm</b> or <b>fire emergency</b> is in progress or has recently occurred.
<b>OFF</b>	All <b>fire zones</b> are <b>operating normally</b> .
<b>FLASHING</b>	A <b>fault has been detected</b> in the system's fire zone and needs to be corrected; for more information on <i>fire zone trouble</i> (see page 28).

## Zone LED

The **Zone LEDs** indicate the status of each of the system's intrusion zones.

When entering the **Trouble indication** function ([\*][3]) the LEDs of zones 1-8 represent a trouble indication as described on page 26.

### NOTE:

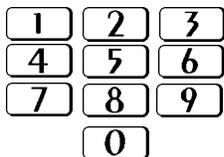
In the 6-Zone LED keypad, LEDs 7 and 8 will be labeled Tamper and Day respectively.

CONDITION	EXPLANATION	
	System Disarmed	System Armed
<b>OFF</b>	The corresponding zone is <b>secured</b> .	The corresponding zone is <b>secured</b> .
<b>ON</b>	N/A	An <b>alarm has occurred</b> in the indicated zone.
	<b>NOTE:</b> A Zone LED on together with a flashing ARM LED indicates a <b>zone tamper alarm</b> in the system.	
<b>FLASHING</b>	The indicated zone is <b>not secured</b> .	N/A

## KEYS

The keys on the keypad can be used for a variety of functions. The role of each key is explained below:

### Keys



### Function

These keys are used to input the numeric codes that may be required for arming, disarming, triggering emergency alarms, along with several other special functions.

Keys	Function
	The [*] key is used to enter the User Functions mode (see page 21).
	Used to arm the system's intrusion detectors to the "AWAY" mode; it may be necessary to enter a numeric <i>User Code</i> before pressing the Arm key. Refer to page 14 for additional information.
	Used to arm the system's intrusion detectors to the "Group" mode; it may be necessary to enter a numeric <i>User Code</i> before pressing the  key. Refer to page 15 for additional information.

## Emergency Keys

Your keypad provides three predefined key sets that can be pushed at any time the *police*, *fire department*, or *special emergency* is required.

**Panic Key**  
  Pressing  and  simultaneously for at least two seconds will activate a **Panic Key** alarm.

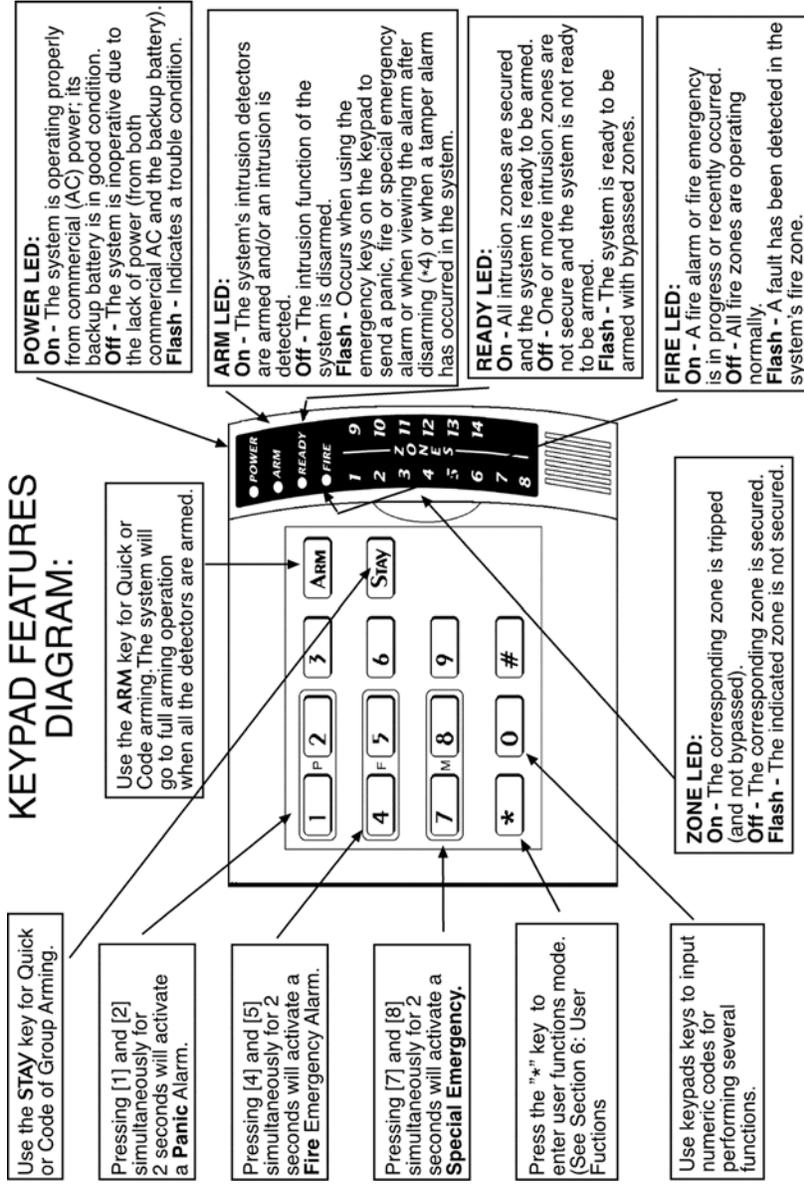
**Fire Emergency**  
  Pressing  and  simultaneously for at least two seconds will activate a **Fire Emergency** alarm.

**Special Emergency**  
  Pressing  and  simultaneously for at least two seconds will activate a **Special Emergency** alarm.

The annunciation that results during these emergency alarms, along with other system sounds, is described in *Section 8: System Sounds, page 29*.

For a summary of the keypad's features refer to the figure on the next page.

## KEYPAD FEATURES DIAGRAM:



## Section 3: User Codes

To perform many of the *ORBIT-14*'s functions, a four-digit **security code** (often called a **User Code**) must be entered at the keypad.

Each individual using the system is assigned a user code, which, in turn, is linked to an Authority Level.

In residential systems, it's likely that all family members will share the same *User Code*. In certain commercial systems, however, it's common to give each authorized employee his/her own *User Code* (as discussed on page 9).

Your *ORBIT-14* permits up to 20 User Codes. One of the codes is considered the **Master Code**; the individual(s) using the *Master Code* is given the following special privileges:

- Adding, modifying, and deleting User Codes and User Authority Levels
- Setting the system's internal clock
- Performing certain system functions and tests

Your *ORBIT-14* was given a Master Code of 1–2–3–4 during manufacturing. Unless your alarm company has already changed it to suit your preference, it's best to modify this code to one, which is unique and personalized. To change the Master Code and/or to set up User Codes, follow the procedure on page 9.

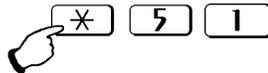
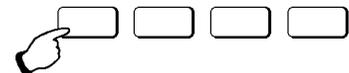
### Setting/Changing the User Codes

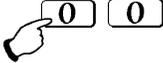
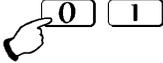
The user assigned the Master Authority Level can change all user codes but cannot view the digits in the user codes.

**NOTE:**

The system must be disarmed in order to set or change user codes. The **ARM LED** will be OFF.

➤ **To set/change a user code:**

STEP	DESCRIPTION
1	Enter the <i>User Functions Mode</i> ( <input type="text" value="*"/> ) and select <i>Codes (5)</i> : 
2	Enter the current 4-digit <i>Master Code</i> : 

STEP	DESCRIPTION
3	<p>Enter a 2-digit user code.            Example: To change the <i>Master Code</i>, press "00":</p>  <p>To enter/change the <i>User Code 1</i>, press "01":</p>  <p>To enter/change the <i>User Code 12</i>, press "12":</p>  <p>It is possible to enter/change up to 20 <i>User Codes</i>.</p>
4	<p>Enter the new 4-digit code selected for the <i>Master Code</i> or for the <i>User Code</i> of your choice:</p> 
5	<p>If successful, the keypad will emit a one-second confirming tone. The selected <i>User Code</i> is now in effect.</p>

**Example:**

To change the Master Code 1234 to a new code 7890, press the following keys:

[*][5] [1]	[1] [2] [3] [4]	[00]	[7] [8] [9] [0]
<b>User Function</b>	<b>Master Code</b>	<b>User Number</b>	<b>New User Code</b>

## Deleting User Codes

At times, it may be desirable to completely delete a *User Code*. Note that it is impossible to delete the *Master Code* (although it can be changed).

**NOTE:**

The system must be disarmed in order to set or change user codes. The **ARM LED** will be OFF.

➤ **To delete a user code:**

STEP	DESCRIPTION
1	User Functions Mode (  ) and choose Codes [5] [1]:    
2	Enter the current 4-digit Master Code:     
3	To delete the User Code 1, press "01":    To delete the User Code 12, press "12":    It is possible to enter/change up to 19 User Codes. The master code cannot be deleted.
4	Enter 0-0-0-0 (which is NOT a valid code) to clear the selected User Code.     
5	If successful, the keypad will emit a one-second confirming tone. The selected User Code is now deleted.

## Setting User Authority Levels

Each individual using the system is assigned a user code, which, in turn, is linked to an Authority Level. Those with a "higher authority" have access to a greater number of system functions, while those with a "lower authority" are more restricted in what they may do. There are five different Authority Levels available for users of the ORBIT-14, as described below:

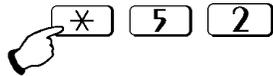
LEVEL	DESCRIPTION
<b>Master</b>	Enables all operations for the system as: Arm/Disarm, Activate utility outputs, change and delete user codes, set time, date, auto arming, Follow-Me numbers and view system events memory. There is only one Master code in the system. This code can only be changed by the installer or the Master.
<b>User</b>	Enables basic operations, such as Arm/Disarm, Bypass zones and activate utility outputs.
<b>Unbypass</b>	Same as the User authority level without the ability to bypass zones.
<b>Cleaner</b>	Used only for one-time arming and disarming (cannot bypass), after which the code is automatically erased and should be redefined. This code is typically used residentially for cleaners, home attendants, and repairmen who must enter the premises before the owner(s) arrive.
<b>Service</b>	A service user cannot disarm a system armed by another user with a different authority level or a system armed in Quick Arming mode. A service user cannot bypass a zone.

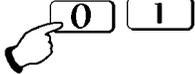
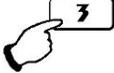
### ➤ To set the authority level:

To change the authority level follow the example in the next table.

#### NOTE:

The system must be disarmed in order to set or change user authority level. The **ARM** LED will be OFF.

STEP	DESCRIPTION
1	Enter the <i>User Functions Mode</i> ( <input type="text" value="*"/> ) and select <i>Codes [5][2]</i> : 
2	Enter the current 4-digit <i>Master Code</i> : 

STEP	DESCRIPTION
3	Enter the 2-digit user number. For example: To set authority level for user 1 press "01". 
4	Enter 1digit for the user authority level as follows: 0: User 1: User Un - Bypass 2: Cleaner 3: Service For example, to enter/change User's authority level to Service, press "3":  <b>NOTE:</b> You can change the authority level for 19 users. The Master authority level is assigned by default to user number 00 and cannot be modified.
5	If successful, the keypad will emit a one-second confirming tone. The selected <i>User Code</i> is now in effect.

## Section 4: Arming and Disarming the System

### Arming

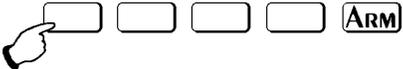
Arming your system enables its intrusion detectors to trigger an alarm when violated. Remember, fire protection and the protection offered by the keypad's emergency keys are always armed and always available. If your system is equipped with environmental protection (for example, gas and/or water level detection) it is always available too.

#### NOTE:

Before you arm your system, all of its zones must either be secured or bypassed. The keypad's **READY** LED, if lit, indicates that all zones are secured. If the **READY** LED is not lit, a numbered LED corresponding to the unsecured zone(s) will be flashing. Before you can arm your system, the indicated zone(s) must be identified and secured. If this is not possible, the affected zone(s) can be bypassed and will be ignored by the system during the subsequent armed period. Recall that bypassing, however necessary, reduces the system's degree of intrusion protection.

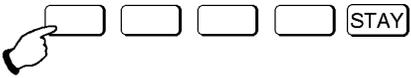
### Away Arming

Away arming prepares *all* of the system's intrusion detectors to trigger an alarm, if violated, and is used when leaving the premises empty.

STEP	DESCRIPTION
1	<p>Check the <b>READY</b> LED on your keypad. If <b>lit</b> or <b>flashing</b>, the system is <b>READY</b> to be armed.</p> <ul style="list-style-type: none"><li>● <b>POWER</b></li><li>○ <b>ARM</b></li><li>● <b>READY</b></li><li>○ <b>FIRE</b></li></ul> <p>If <b>NOT</b> lit or flashing, the system is <b>NOT</b> ready to be armed. In this case secure or bypass the violated zone(s) and then proceed.</p>
2	<p>Enter your 4-digit User Code and press <b>ARM</b>.</p>  <p><b>NOTE:</b> If you make a mistake when entering your User Code, the keypad will produce three short beeps. If so, re-enter the code correctly.</p>
3	<p>Leave the premises and close the door. The keypad will beep as it counts down the <i>Exit Delay</i> period.</p>

## Group Arming

Group arming enables you to arm a number of zones using the **STAY** key. Ask your installer about defining groups.

STEP	DESCRIPTION
1	<p>Check the <b>READY</b> LED on your keypad. If it is <b>lit</b> or <b>flashing</b>, the system is READY to be armed.</p> <ul style="list-style-type: none"><li>● POWER</li><li>○ ARM</li><li>● <b>READY</b></li><li>○ FIRE</li></ul> <p>If it is NOT lit or flashing, the system is NOT ready to be armed. In this case secure or bypass the violated zone(s) and then proceed.</p>
2	<p>Enter your 4-digit User Code followed by <b>STAY</b></p>  <p><b>NOTE:</b> If you make a mistake when entering your User Code, the keypad will produce three short beeps. If so, re-enter the above sequence correctly.</p>
3	<p>Enter the group number. You have 4 options for group arming: 1, 2, 3 and 0. To arm all groups, use the "0". For example, to arm group 3 press:</p> 
4	<p>The keypad will beep as it counts down the Exit Delay period.</p>

### NOTES:

Pressing **STAY** + **[Group Number]** + **#** will silence the beeps on the keypad and cancel the Entry Delay time.

Pressing **STAY** + **[Group Number]** + **\*** during exit time will silence the beeps on the keypad.

## Determining Which Group is Armed

The system must be armed.

### ➤ To identify the armed group(s)

STEP	DESCRIPTION
1	<p>Enter your 4-digit User Code followed by <b>[STAY]</b></p>  <p><b>NOTE:</b> If your system is defined with Quick Arming simply press the <b>[STAY]</b> key.</p>
2	<p>The keypad's first 3 Zone LED(s) corresponding to the armed group(s) will light for several seconds.</p> <p>Zone LED 1 represents Group 1. Zone LED 2 represents Group 2. Zone LED 3 represents Group 3.</p>

#### **NOTE:**

If the system is armed in Away mode the Zone LEDs on the keypad will not light.

## Quick Arming

Quick arming enables you to quickly arm the system.



#### **NOTE:**

Your installer should define Quick Arming.

### ➤ To quick arm using away arming:

- ◆ Press **[ARM]**. The system is fully armed.

### ➤ To quick arm a group:

- ◆ Press **[STAY]** followed by the group number. The selected group(s) is armed.

#### **NOTES:**

If the system is defined with Quick Arming, you can arm more than one group at the same time. In effect arming one group on top of the other. For example:

If Group 1 is armed and you want to arm Group 2 simply press **[STAY] + [2]** and Group 2 will be armed.

If the system is not defined with Quick Arming, then you cannot arm one group on top of the other. In this case you can either arm only one group (**[STAY] + 1, 2 or 3**) or all groups by using the option **[STAY] + [0]**. For example:

If Group 1 is armed and you want to arm Group 2, then first you need to disarm Group 1 and only then arm Group 2 using the sequence: **[STAY] + [2]**.

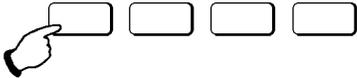
## Keyswitch Arming

If your system is equipped with a special keyswitch, it can, with the twist of a key, be toggled through *Arm (Away)* and *Disarm* modes.

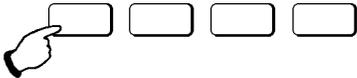
## Disarming

### Disarming the System

Disarming your system deactivates its detectors. Remember, *fire protection* and the protection offered by the keypad's *emergency keys* are *always* armed and always available.

STEP	DESCRIPTION
1	If outside the premises, open an "entry" door; the keypad(s) will beep indicating that the <i>Entry Delay</i> period has begun.
2	Disarming an armed system: Before the Entry Delay expires, enter your 4-digit User Code.  <b>NOTE:</b> If you make a mistake when entering your User Code, the keypad will produce three short beeps. If so, re-enter the above sequence correctly.

### Silencing an Alarm

STEP	DESCRIPTION
1	If outside the premises, open an "entry" door; the keypad(s) will beep indicating that the <i>Entry Delay</i> period has begun.
2	Observe the keypad. If any of the following conditions is evident, an alarm has occurred: <ul style="list-style-type: none"><li>• The <b>ARM</b> LED is flashing</li><li>• A <b>Zone</b> LED is lit steadily</li><li>• The <b>FIRE</b> LED is lit steadily</li></ul>
3	Disarm the system by entering your User Code:  <b>NOTE:</b> It is best to enter the premises only after police or a security company has investigated and you are confident that the burglar is no longer on your premises.

**IMPORTANT:**

If the alarm was caused by a tripped Smoke Detector(s), the keypad's **FIRE** LED will remain lit, providing an indication that the fire system must be reset before it will be capable of detecting subsequent alarms. Furthermore, until reset, you will be prevented from arming your system. To reset the fire system and to turn off the **FIRE** LED, see *Reset a Smoke Detector*, in the table on page 22.

**Duress Disarming**

If you are ever coerced into disarming your system, you can comply with the intruder's wishes while sending a silent duress alarm to the Central Station. To do so, you must use a special duress code that will disarm the system in the regular manner, while simultaneously transmitting the duress alarm. All user codes can activate the Duress disarming.

To use a duress code, add **1** to the last digit of your user code, as shown in the table below:

User Code	Duress Code
1-2-3-4	1-2-3-5
5-6-7-8	5-6-7-9
6-7-8-9	6-7-8-0

**NOTE:**

Under no circumstances must the duress code be used haphazardly or without reason. Central Stations, along with Police Departments, treat duress codes very seriously and take immediate action.

➤ **To disarm using a duress code:**

STEP	DESCRIPTION
1	If outside the premises, open an "entry" door. The keypad(s) will beep indicating that the <i>Entry Delay</i> period has begun.
2	Enter your 4-digit Duress Code:  Once entered, it will disarm your system and send a silent alarm to the Central Station.

**NOTE:**

A utility output in your system may be programmed to be activated continuously after an entry of the duress code. If so, deactivation must be performed manually by one of the following procedures:

1. Arming the system.
2. Disarming the system after an alarm occurred while the utility output was still activated.

## Section 5: Zone Bypassing

When an intrusion zone is not secured, the **READY** LED on your keypad will not light, nor can the system be readily armed.

Noting which LED(S) are flashing in the keypad's ZONES area can identify the faulted intrusion zone. Bypassing a zone enables you to arm the system even if a zone is open/not secured.

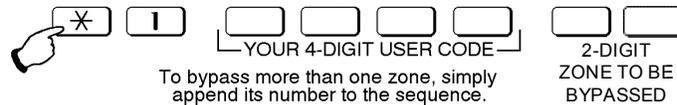
### WARNING:



A bypassed zone may reduce the system's security capability.

## Code Bypassing

To bypass such a zone(s) and cause it to be ignored by the system, enter the following sequence correctly:



### NOTES:

If you make a mistake when entering your User Code, the keypad will produce three short beeps. Re-enter if necessary.

Enter a two-digit code for the zone number. For example, for zone five enter 05.

An additional zone(s) can be bypassed at the same time by adding its number to the sequence. For example, to bypass Zones 2 and 3, press: [\*] + [ 1 ] + [USER CODE] + [ 02 ] + [ 03 ].

The same sequence can "toggle" the bypass(es) during the disarmed period so that they may be either applied or removed.

Press [#] or [\*] to approve or wait two seconds (timeout period).

## Quick Bypass

If the system is programmed for Quick Bypass, you can follow the same procedure as described above without entering the 4-digit User code or you can use the following option for extra quick bypassing:

### ➤ To execute extra quick bypass:

Press the first digit of the zone number for at least 2 seconds, until a beep is heard. After the beep enter the second digit of the zone number. For example, to bypass zone 05:

[ 0 ] for 2 seconds + [ 5 ]

An additional zone(s) can be bypassed at the same time by adding its number to the sequence. For example, to bypass Zones 05, 07 and 12, press: [ 0 ] for 2 seconds + [ 5 ], [0] [7] [1] [2].

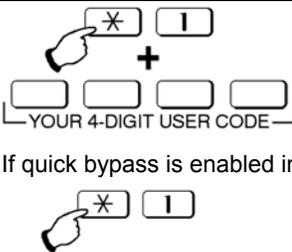
**NOTES:**

Only the first digit of the first zone should be pressed for 2 seconds.  
 The same sequence can “toggle” the bypass(es) during the disarmed period so that they may be either applied or removed.

**Determining Which Zone Is Bypassed**

The system must be disarmed. If the keypad’s **READY** LED is flashing, there is at least one bypassed zone, in the system.

➤ **To identify the bypassed zone:**

STEP	DESCRIPTION
1	 <p>If quick bypass is enabled in your system, simply press:</p>
2	<p>Observe the keypad’s <i>ZONES</i> area. LED(s) corresponding to the bypassed zone(s) will light for several seconds.</p>

**NOTES:**

The **READY** LED, when flashing, indicates that there is one or more bypassed zones. Any zone(s) bypassed during the disarmed period will remain bypassed when the system is armed.  
 Zone(s) that are bypassed while the system is armed will automatically be restored to the normal unbypassed condition when the system is disarmed.

## Section 6: User Functions

Your ORBIT-14 comes with a variety of selectable **User Functions**. By entering the *User Functions* mode, a number of options become available which determine how your alarm system operates, such as:

- Adding, modifying, and deleting *User Codes*
- Bypassing zones
- Displaying a "memory" of previous alarms
- Displaying system troubles
- Disabling (and re-enabling) keypad sounds
- Setting the system's internal clock, time and date
- Performing certain system tests

USER FUNCTION	DESCRIPTION	PRESS	COMMENTS
<b>Zone Bypassing</b>	Bypasses or unbypasses selected zone(s)	$\boxed{*} + \boxed{1}$ <b>+ USER CODE</b> + $\boxed{\phantom{0}} \boxed{\phantom{0}}$ (2-digit zone number to be bypassed or unbypassed)	Refer to <b>Zone Bypassing</b> procedures, as discussed on page 19.
<b>Quick Bypassing</b>		$\boxed{*} + \boxed{1}$ + $\boxed{\phantom{0}} \boxed{\phantom{0}}$ (2-digit zone number to be bypassed or unbypassed)	
<b>Extra Quick Bypassing</b>		The first digit of the zone $\boxed{\phantom{0}}$ for at least 2 seconds and then the second digit $\boxed{\phantom{0}}$ .	
<b>Activate a Utility Output</b>	Activates or de-activates a Utility Output	$\boxed{*} + \boxed{2}$ <b>+ USER CODE</b> + $\boxed{\phantom{0}}$ (Utility Output number to be activated or deactivated)	Maximum of six utility outputs. Please consult your Alarm Company or Installer.

USER FUNCTION	DESCRIPTION	PRESS	COMMENTS
<b>Reset a Smoke Detector</b>	Resets a Smoke Detector	<p> <input type="text" value="*"/> + <input type="text" value="2"/>  <b>+ USER CODE</b>            + <input type="text"/>            (Utility Output number responsible for resetting the Smoke Detector(s))         </p>	Refer to <b>System Troubles</b> on page 26, and consult your Alarm Company or Installer.
<b>Display System Troubles</b>	Displays system problem(s) causing the <b>POWER</b> LED to flash	<p> <input type="text" value="*"/> + <input type="text" value="3"/> </p>	Refer to <b>System Troubles</b> on page 26, and consult your Alarm Company or Installer.
<b>Display Alarm Memory</b>	Reviews any alarms occurring during the last armed period	<p> <input type="text" value="*"/> + <input type="text" value="4"/> </p>	Via its LEDs, the keypad reveals the zone(s) in which the alarm occurred during the previous armed period. After several seconds the LEDs will restore to normal.
<b>Set User Code</b>	Adds, modifies or deletes User and Master Code(s)	<p> <input type="text" value="*"/> + <input type="text" value="5"/> + <input type="text" value="1"/>  <b>+ MASTER CODE</b>            + <input type="text"/> <input type="text"/>            (2 digit user code)            + <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>            (New user code)         </p> <p><b>Note:</b> Use 0-0-0-0 to delete the Code.</p>	Refer to <b>Setting/Changing User Codes</b> on page 9.

USER FUNCTION	DESCRIPTION	PRESS	COMMENTS
<b>Set User Authority Level</b>	Sets the user authority level	<p>⊗ + 5 + 2</p> <p>+ MASTER CODE</p> <p>+ [ ] [ ]</p> <p>(2 digit user code)</p> <p>+ [ ]</p> <p>(New authority level code;</p> <p>0= User; 1= User Unbypass; 2= Cleaner; 3= Service)</p>	For more on authority levels, see page 12.
<b>Setting the Date</b>	Sets the system's date	<p>⊗ + 6 1</p> <p>+ MASTER CODE</p> <p>+ [M] [M] [D] [D]</p> <p>+ [Y] [Y]</p>	Enter the date in MMDDYY format. For example, for May 28, 2003, enter 052803.
<b>Setting the Time</b>	Sets the system's internal clock	<p>⊗ + 6 2</p> <p>+ MASTER CODE</p> <p>+ [H] [H] [M] [M]</p> <p>Enter the time in 24-hour HH:MM format.</p>	<p>Examples of 24-hour time format:</p> <ul style="list-style-type: none"> <li>• For 12:30 AM, enter 0030.</li> <li>• For 8:45 AM, enter 0845.</li> <li>• For 6:15 PM, enter 1815.</li> </ul> <p>The clock must be set to insure proper system operation.</p>
<b>Setting the Auto Arm</b>	Sets auto arming for a specified time	<p>⊗ + 6 3</p> <p>+ MASTER CODE</p> <p>+ [H] [H] [M] [M]</p> <p>Enter the time in 24-hour HH:MM format.</p>	Use 24-hour time format.

USER FUNCTION	DESCRIPTION	PRESS	COMMENTS
<b>Set Follow-Me Phone Number 1-4</b>	Sets the first phone number for the Follow-me function (up to 32 digits)	* + 7 1 or * + 7 2 or * + 7 3 or * + 7 4 + MASTER CODE + Phone Number + [#]	You can include the special functions described in the table below, as required.
<b>Function</b>		<b>Sequence</b>	<b>Results</b>
Stop dialling and wait for a new dial tone		[STAY], [1]	A
Wait a fixed period before continuing		[STAY], [2]	B
Switch from <i>Pulse to Tone</i> (or from <i>Tone to Pulse</i> )		[STAY], [3]	C
Send the DTMF * character		[STAY], [*]	*
Send the DTMF # character		[STAY], [#]	#
To Erase a phone number use the sequence: [*] + [7] + [1 / 2 / 3 / 4] + [Master Code] + [#]			
<b>Keypad Sounder</b>	Determines how the keypad's internal sounder will operate under specific conditions	* + 8 + MASTER CODE + 1	After entering the Master Code, press 1 to enable/disable current operation of keypad's beeps (see page 29).
<b>Chime Operation</b>		* + 8 + MASTER CODE + 2	Disable/enable the chime for intrusion zones having this feature (see page 2.)
<b>Audible Kiss-Off Indication</b>		* + 8 + MASTER CODE + 3	Disable/enable the Audible Kiss-Off which is an indication when the dialler, after successfully transmitting data to the monitoring station receives the "Kissoff" signal.

USER FUNCTION	DESCRIPTION	PRESS	COMMENTS
<b>Event Logger</b>	Retrieves events located in the event logger memory (up to 250 events).	<div style="text-align: center;"> <span>✖</span> + <span>9</span>  <b>+ MASTER CODE</b> </div>	Use this option only with the LCD keypad. A list of events are presented from the last entered to the first registered. For more information, refer to the LCD instructions.
<b>System Testing</b>	Provides a brief test of the following: <ul style="list-style-type: none"> <li>• Keypad LEDs</li> <li>• Keypad sounder</li> <li>• External siren</li> <li>• Standby battery</li> </ul>	<div style="text-align: center;"> <span>✖</span> + <span>0</span>  <b>+ MASTER CODE</b> </div>	The external sounder will be activated momentarily. <ul style="list-style-type: none"> <li>• The keypad's LEDs will flash.</li> <li>• If enabled, the keypad's sounder will beep.</li> <li>• A low battery or a loss of commercial power will cause the <b>POWER</b> LED to flash; if so, consult your security dealer.</li> </ul>

## Section 7: System Troubles

Your *ORBIT-14* is designed to report any **troubles** or malfunctions it may detect. Notification that a problem exists is made to the user through indications on the keypad(s) and, in many cases, to the Central Station and to your dealer. Any incidence of trouble should be taken seriously and acted upon immediately. If not remedied quickly, a trouble condition will likely compromise your system and prevent it from properly doing its job.

The *ORBIT-14* is designed to be as trouble-free as possible. In the event of a problem, the **POWER** LED will flash about once every second. If this happens, perform the sequence described below to determine the problem.

### NOTES:

It is possible for more than one trouble to be present at the same time. If so, multiple Zone LEDs will be lit simultaneously.

#### ➤ To view trouble conditions:

STEP	DESCRIPTION
1	Enter the <i>User Functions Mode</i> by pressing  and then select <i>View Troubles (3)</i> :   
2	The keypad will beep and its LEDs will light, reflecting the information below. After several seconds, the display will return to normal.

TROUBLE	DESCRIPTION	LED	RESPONSE
<b>Low Battery</b>	The capacity of the battery is low or missing and needs to be recharged or replaced.	Zone 1 LED On	Contact your Alarm Company or Installer.
<b>AC Power Loss</b>	The commercial power has been interrupted; the system will continue to operate on its standby battery as long as possible.	Zone 2 LED On	Check that the <i>ORBIT-14</i> 's Plug-In Transformer has not been removed from its outlet. If intact, contact your Alarm Company or Installer.

TROUBLE	DESCRIPTION	LED	RESPONSE
<b>Clock Not Set</b>	The system's clock has lost track of the time and/or date.	Zone 3 LED On	Set the system's time and date, see page 23.
<b>Communication Trouble</b>	The <b>ORBIT-14</b> has failed in its attempts to report an alarm or trouble condition to the Central Station.	Zone 4 LED On	Check that your telephone line is functioning. If not, contact your local telephone company.
<b>Bell Loop Trouble</b>	The <b>ORBIT-14</b> has failed in its attempt to identify the Bell Loop.	Zone 5 LED On	Check to see if your external bell has been tampered with. If the problem exists contact your Alarm Company or Installer.
<b>Phone line cut</b>	The telephone line used for Central Station communication is either disconnected or inoperative.	Zone 6 LED On	If all premises telephones are operating properly, contact your Alarm Company or Installer. If not, contact your local telephone company.
<b>Bell/ Box/ Keypad Tamper</b>	Indicates a tamper condition in the external sounder or in the Panel Box or in any keypad.	Zone 7 LED On (Tamper in 6-LED keypad)	Contact your Alarm Company or Installer.
<b>Day Zone</b>	A zone designated as a DAY zone has been faulted during the disarm period.	Zone 8 LED On (Day in 6-LED keypad)	Check the integrity of the indicated zone.

➤ **To disable the Fire Alarm:**

In certain cases, the keypad's **FIRE** LED may remain lit steadily, even though there is no alarm in progress and the system is disarmed.

USER FUNCTION	DESCRIPTION AND REMEDY
<p> <input checked="" type="radio"/> <b>POWER</b>  <input type="radio"/> <b>ARM</b>  <input type="radio"/> <b>READY</b>  <input checked="" type="radio"/> <b>fire</b> </p> <p>The <b>FIRE</b> LED remains lit.</p>	<p>After a fire alarm has occurred and been silenced, the keypad's red <b>FIRE</b> LED will remain lit steadily if a Smoke Detector (presumably the one which caused the alarm) remains tripped. Until reset, a tripped Smoke Detector will prevent the <b>READY</b> LED from being lit, and will NOT permit the system to be armed.</p> <p>To reset a tripped Smoke detector and to extinguish the red <b>FIRE</b> LED, perform the following procedure:</p> <p><input type="text" value="*"/> + <input type="text" value="2"/> + <b>USER CODE</b> + <input type="text"/> (Utility Output number which is responsible for resetting the Smoke Detector)</p> <p>Consult your Alarm company or Installer for alternate information on resetting smoke detectors, if applicable.</p> <p>Once done, the <b>Ready</b> LED will indicate the system's status and you will be able to arm your system.</p> <p><b>NOTE:</b></p> <p>You may need to perform this procedure several times in order to prevent the smoke detector(s) from re-detecting any remaining smoke.</p>

## Section 8: System Sounds

Besides the visual indications provided by your keypad(s), your system is designed to produce audible annunciation after certain events. Depending on the circumstance, such sounds may be made by your system's keypad(s) or its external sounder (e.g., a siren or bell).

EVENT	KEYPAD SOUND	SIREN/ BELL
Intrusion Alarm	Optional (see Note 5)	Yes (continuous)
Fire Alarm	Rapidly repeating tones (see Note 3)	Yes (staggered)
Keypad Police Emergency	A momentary chirp	Optional (see Note 2)
Keypad Fire Emergency	Rapidly repeating tones (see Note 3)	Yes
Keypad Special Emergency	A momentary chirp	No
Arming or disarming	A one second tone if completed correctly; three rapid error beeps if incorrect (see Note 3)	No
Entering an incorrect key sequence	Three rapid beeps (see Note 3)	No
Entry Delay countdown	Slowly repeating tones until the entry delay period expires (see Note 3)	No
Exit Delay countdown	Slowly repeating tones until the exit delay period expires (see Note 3)	Optional (see Note 1)
Bell Loop Trouble or Low Battery Trouble	Rapidly repeating 2 beeps until the [#] key is pressed.	No
Entering data in the <i>User Functions</i> mode (see page 21)	A one second tone if completed correctly; three rapid error beeps if incorrect (see Note 3)	None

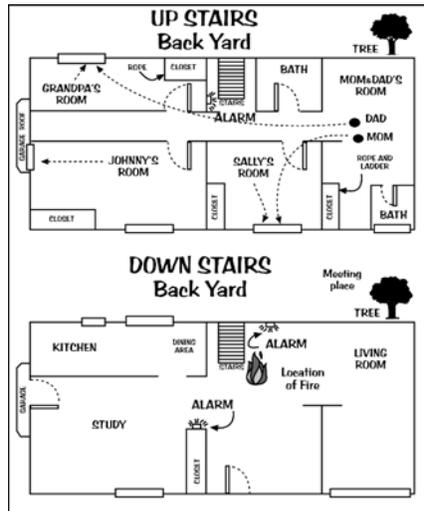
**NOTES:**

1. If selected during the installation, a brief "chirp" may be heard from the siren when the Exit Delay period expires. See page 2 for additional information.
2. Whether or not the Police Emergency alarm is enunciated by the external sounder is determined by the alarm company during your system's installation.
3. Keypad beeps in response to Entry/Exit Delay countdowns, Keypad Fire Emergencies, and keypad errors and confirmations are typically enabled. At the user's discretion, such beeps may be disabled. See page 2 for additional information.
4. Any intrusion zone, if selected for the **chime** feature, will cause the keypad to announce an event when violated during the disarmed period. Through User Functions the chime can also be disabled when not desired. See page 2 for additional information.
5. Based on decisions made at the time your alarm system was installed, keypad(s) may beep during this type of alarm.

# Emergency Evacuation Plans

An **emergency evacuation plan** should be established and used during an actual fire alarm condition. The following steps are recommended by the *National Fire Protection Association* (NFPA) and can be used as a guide when establishing a similar plan for your circumstances.

1. Draw a floor plan of your premises showing windows, doors, stairs, and rooftops, which can be used for escape. An example has been provided below.
2. Indicate each occupant's escape routes by determining two means of flight from each room. One should be the normal exit from the building, while the other may be a window that opens easily, or another alternate route. An escape ladder may have to be located near an escape window if there is a long drop to the ground below. Always keep escape routes free from obstruction.
3. Practice escape procedures and set a meeting place outdoors for a headcount of the building's occupants.
4. In a home, sleep with the bedroom door closed to increase your escape time. If a fire is suspected, first test the door for heat. If you think it is safe, brace your shoulder against the door and open it cautiously. Be ready to slam the door if smoke and heat rush in.
5. After escaping from a fire, call the Fire Department from a neighbour's phone.



## NOTES:

After the installation of your Security System has been completed, notify your local Fire and Police Departments to give them your name and address for their records.

Early warning fire detection is best achieved by the installation of fire detection devices in all rooms. This equipment should be installed in accordance with the *National Fire Protection Association's Standard 72*.

For additional information, write to the *National Fire Protection Association* (NFPA) at Batterymarch Park, Quincy, MA 02289.



# ROKONET LIMITED WARRANTY

Rokonet Electronics, Ltd. and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 12 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Seller's obligation and liability under this warranty is expressly limited to repairing and replacing, at Seller's option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose.

In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.

Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay.

Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any person's injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of burglary, robbery or fire without warning, but is not insurance or a guaranty that such will not occur or that there will be no personal injury or property loss as a result.

Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising from under this limited warranty or otherwise, regardless of cause or origin, seller's maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller.

No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

**WARNING:** This product should be tested at least once a week.

## **Contacting Rokonet**

Rokonet Electronics Ltd. is committed to customer service and product support. You can contact us through our website ([www.rokonet.com](http://www.rokonet.com)) or at the following telephone and fax numbers:

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