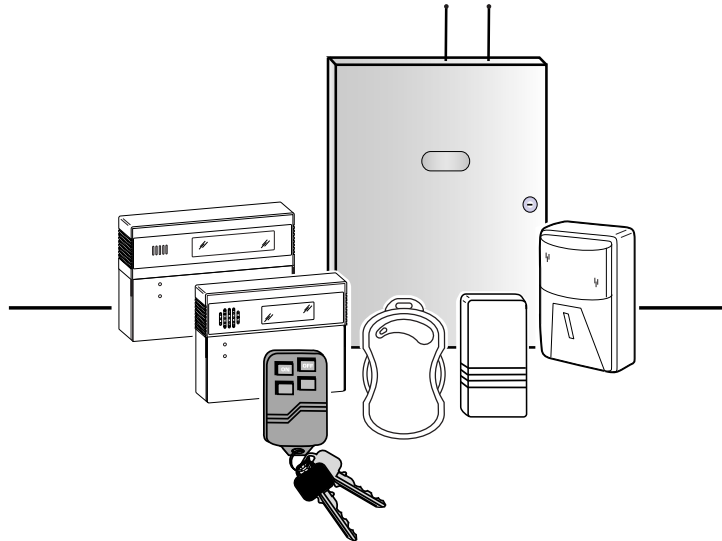




Security System

OMNI-408/ OMNI-408EU User Guide



N9942-2 1/01

FBI® 
FIRE BURGLARY INSTRUMENTS, INC.

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Quick Reference

System Turn On

Check to make sure the system is ready — Green READY LED is lit.
Enter your 4-digit User Code (or press the ARM button on your keyfob).
The ARMED LED goes on.
Exit through a door designated by your installer as an exit/entry door.

System Turn Off

Enter through door designated by your installer as an exit/entry door.
Enter your 4-digit User Code (or press the DISARM button on your keyfob).
The ARMED LED goes out.

System Turn On/Stay Inside

Check to make sure the system is ready — Green READY LED is lit.
Press followed by your User Code.
The ARMED and STAY LEDs light.



You must turn the system off if you want to open the door or leave the premises after the exit time has passed.

System Turn On/Stay Inside/Instant Mode

Check to make sure the system is ready — Green READY LED is lit.
Press then followed by your User Code.
The ARMED, INSTANT, and STAY LEDs are all lit.

Smoke Detector Reset

Enter your 4-digit User Code.

Quick Reference (cont'd)

The following table lists the “Quick Commands” available with this control.

Keystroke	Quick Command	Keypads	Description
# 1	Quick Arm	All keypads	If system is ready, allows you to arm the system without requiring your User Code. Your User Code is always needed to disarm the system.
# 2	Force Arm	All keypads	Allows you to arm the system even if some zones are faulted. These zones are automatically bypassed and are unprotected.
[BYPASS] + Zone No.	Quick Bypass	All keypads	Allows you to bypass a specific zone number. Must be enabled by your installer.
# 3	Set Time	All keypads	Allows entry of the current system time (hours, minutes, month, day, year).
# 4	Zone Directory	LCD only	Displays listing of zones in system.
# 55	Display Firmware Version	LCD only	Displays version of your OMNI-408 firmware.
# 56	Display Keyfob Battery Status	All keypads	Allows you to test battery status of your keyfob. Upon entry of this mode, press any button on the keyfob and the keypad will display if your battery is low.
# 58	Change/View Pager Number	All keypads	Allows you to redirect pager output to a different pager number. Phone numbers are displayed only on LCD keypads.
# 6	Display/Toggle Chime Mode	All keypads	Allows you to change the status of the chime function.
# 7	Display Current Time	LCD only	Allows you to view the current system time.
# 8	User Page Toggle	All keypads	Allows you to turn the pager mode on or off. Keypad displays the current system status.

Introduction

Congratulations on your decision to protect your home or business with the OMNI-408 security system. You have chosen a reliable, state-of-the-art security system that is remarkably easy to operate. Representatives from your local security company, who can explain the specifics of your system, have professionally installed your system.

The keypad is the input and display device for your security system. Your system can use either the OMNI-KP, OMNI-LCD or OMNI-LED keypads. The OMNI-KP keypad displays the system status with fixed words, the OMNI-LCD keypad displays two lines of text, and the OMNI-LED keypad displays the current zone status, including alarms, bypasses, and faults, using LEDs. Each condition causes the LEDs to operate differently.

Throughout this guide, the following conventions are used to display the keystrokes required to perform functions.

BYPASS Key labeled [BYPASS]

INSTANT Key labeled [INSTANT]

STAY Key labeled [STAY]

CODE Key labeled [CODE]

Enter your four-digit User Code.

Please keep your guide in a convenient location so you can refer to it if needed.

System Reference

System Reference

ZONE	DESCRIPTION
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____

ENTRY TIME 1 _____ DOOR _____ EXIT TIME* _____

ENTRY TIME 2 _____ DOOR _____

* Exit time is the same for all designated entry/exit doors.

The following SEND HELP ALERTS can be programmed into your system. Both keys must be pressed at the same time to activate the alert. The keys you press depend on which type of keypad you have. Your installer will show you how to activate these emergency keys.

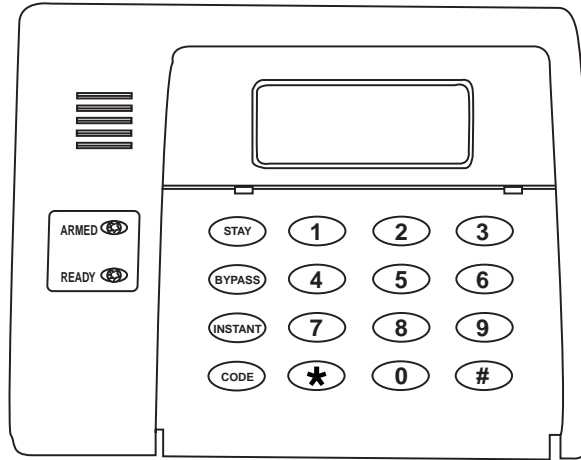
DESCRIPTION	KEYS
_____	[#] and [*]
_____	[7] and [9]
_____	[1] and [3]



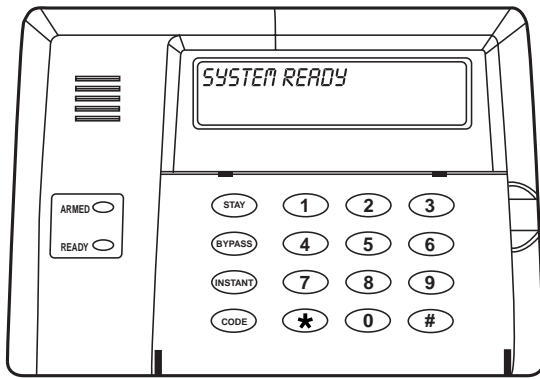
See page 7 of this User Guide for pictures of the OMNI-KP, OMNI-LCD, and OMNI-LED keypads.

System Reference (cont'd)

OMNI-KP KEYPAD

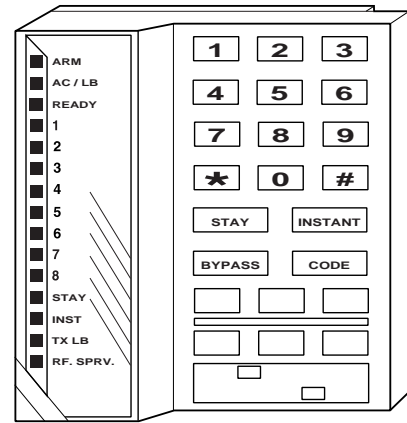


OMNI-LCD AND OMNI-LED KEYPADS



OMNI-LCD Alpha Keypad

OMNI_LCD



OMNI-LED Keypad

OMNI_LED

System Reference (cont'd)

USER ID	ASSIGNED TO
1	_____ (MASTER USER 1)
2	_____
3	_____
4	_____
5	_____
6	_____ Duress**

* The Master User can add, change, or erase other User Codes.

** If enabled, this User Code will transmit a duress signal to the central station.

MONITORING STATION INFORMATION

Account No. _____
Telephone No. _____

System Operation

System Operation

You can turn the burglar portion of your security system on and off. Before you can turn the system on, it must be “ready.” If you have a protected door open, or if someone is moving in view of a motion detector, the system will not display “**READY**.”

The system is ready if the READY LED is lit and the display shows:

LCD Keypad: SYSTEM READY	Fixed-Word Keypad: READY LED lit
------------------------------------	--

NOTE: If programmed by your installer, you may arm the system if a delay or interior zone is faulted. However, faulted zones must be restored before your exit time expires or an alarm or zone bypass will result. Ask your installer if your system has this feature and, if so, if it causes an alarm or zone bypass.

To Turn the System On and Leave

Enter your User Code.

The **ARMED** LED goes on and the display shows:

LCD Keypad: ON: AWAY	Fixed-Word Keypad: ARMED LED lit
--------------------------------	--

Exit through a door designated by your installer as an exit/entry door. You must leave within the exit time programmed by your installer. Refer to the reference sheet for the time that has been set for your system.

System Operation (cont'd)

When the System is Not Ready

If the system is **not** ready to be armed, the READY LED is **off** and the display indicates which zone or zones are not ready.

Determine which zone or zones are not ready, resolve the problem, and turn the system on normally. If the problem cannot be resolved, you may bypass the zone that is not ready. Bypassing should only be done if the problem on the zone cannot be resolved, OR if you intentionally wish to leave the zone off. For example, you would leave the zone off if you plan to keep the window open for ventilation. Zones that are bypassed are not protected when the system is on. Refer to the paragraph entitled, "To Bypass a Zone" for a description of the procedure.

To Turn the System On and Stay Inside

To turn the perimeter portion of your burglar alarm on and move around freely inside the premises, use the **STAY** mode.

Check to make sure the system is ready. When it is ready, press:

STAY followed by your User Code.

When the system has been turned on successfully, the ARMED LED is on, and the following is displayed:

LCD Keypad: ON: STAY	Fixed-Word Keypad: STAY
--------------------------------	-----------------------------------

REMEMBER: You must turn the system off if you want to open the door or leave the premises after the exit time has passed.

System Operation (cont'd)

To Turn the System On In Instant Mode and Stay Inside

In **INSTANT STAY** mode, the perimeter portion of your burglar alarm system is on, but the time delays are eliminated from your normal entry/exit door(s). All interior protection is off, so you are free to move around inside.

Check to make sure the system is **READY**. When it is ready, press:

INSTANT followed by

STAY followed by your User Code.

When the system has been turned on successfully, the **ARMED LED** is on, and the following is displayed:

LCD Keypad: <input type="text" value="ON: STAY / INS"/>	Fixed-Word Keypad: STAY INSTANT
---	--

NOTE: This system can be programmed by the installer for the **AUTOSTAY** feature which automatically bypasses interior zones if you arm the system in **AWAY** mode, but do not exit through a delay zone during exit time.

System Operation (cont'd)

To Turn the System On In Instant Mode

In **INSTANT** mode, all alarm sensors, including doors that normally have a delay to allow you to turn off the system, will immediately report an alarm if activated. Check to make sure the system is ready. When it is ready, press:

INSTANT followed by your User Code.

When the system has been turned on successfully, the ARMED LED is on, and the following is displayed:

LCD Keypad: ON: INSTANT	Fixed-Word Keypad: INSTANT
-----------------------------------	--------------------------------------

To Bypass a Zone

The Bypass function excludes a zone of protection from the security system until it is unbypassed (either by using the unbypass procedure or when you turn the system off). Bypassing can only be done while the system is turned off.

Press the **BYPASS** button. Then enter your User Code and the zone number (1-8) to be bypassed, as follows:

BYPASS followed by your User Code[†] and Zone No. (1-8)

[†] If the Quick Bypass feature has been enabled by the installer, do not enter the User Code when bypassing zones.

System Operation (cont'd)

NOTE: Bypassed zones are **NOT** protected when the system is turned on. After the bypass command has been accepted, the keypad sounds one long beep, and the following is displayed:

LCD Keypad: BYPASSED: ZN1 FRONT DOOR	Fixed-Word Keypad: BYPASS zone number displayed
---	--

To Unbypass a Zone

Pressing the BYPASS button returns a bypassed zone to normal operation. To unbypass a zone(s), repeat the bypass function as follows:

BYPASS followed by your User Code[†] and Zone No. (1-8)

After unbypassing, the zone display shows the state of the zones.

[†] If the Quick Bypass feature has been enabled by the installer, do not enter the User Code when unbypassing zones.

Turning the System Off

When you turn the system off, you turn off only the burglar portion of your system; any smoke or heat detectors and panic keys will remain on. You must enter through a designated entry door and turn off the system within the time allowed. You can have different amounts of time for different entry points. See your system reference sheet for the times established for your system.

To turn your system off:

Enter your User Code.

System Operation (cont'd)

If no alarms have taken place, the **ARMED** LED goes off, and the display shows:

LCD Keypad: SYSTEM READY	Fixed-Word Keypad: READY LED lit
------------------------------------	--

If alarms occurred when the system was on, or if a trouble condition exists, the display shows:

LCD Keypad: ALM MEM ZN1 FRONT DOOR	Fixed-Word Keypad: ARMED LED off READY LED blinks
---	--

The keypad scrolls through the zone or zones that were in alarm.

Burglary alarms sound a steady tone at the keypad(s), and fire alarms generate a pulsing sound.

IMPORTANT: If an intrusion has taken place while you were away, do not enter until the location has been checked. Call for help from a neighbor's house and wait there for the police.

To clear the display of alarm or trouble conditions and silence the audible alert:

Enter your User Code again.

User Codes

Adding/Changing a User Code

Users can be added or changed directly at the keypad. Your system can have up to 6 different User Codes.

To add or change a User Code, press the following:

	Master User Code	User ID (1-6)	New User Code
CODE	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

NOTES:

- User number 1 is a master user and can create or modify other users.
- User number 6 can be a duress code that will transmit a special duress code to the central station.

Deleting a User Code

To delete a user, press the CODE button followed by the 4-digit Master User Code. Enter the user number, then press [*] to delete. For example, to delete user 3, do the following:

	Master User Code	User ID (1-6)	* to delete
CODE 3 [*]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	*

NOTE: User number 1, the master user, cannot be deleted, but it can be changed using the procedure for adding or changing a User Code.

Paging Feature

Your installer may have programmed your system to send messages with certain system conditions to your pager. An explanation of those messages is provided below.

Follow-Me Displays

The display shown on your pager is "ACCTEXXX" where:

"ACCT" is the 4-digit central station no. 2 account number.

"E" is the event code. There are 4 event types: alarms, troubles, openings, and closings. These event codes are as follows:

Openings = 0, Closings = 1, Alarm or Trouble = 9



If multiple events occur, the signal for the highest-priority event is sent first. Events ranked from highest to lowest priority are alarms, trouble, openings, and closings.

"XXX" is, depending on the event, the zone (001-008) or user (001-014) designation.

USER DESIGNATION	FUNCTION
1-6	User Codes
7	Remote arm/disarm
8	Quick Arm No. 1, Quick Forced Arm No. 2
9-14	Keyfobs

Changing the Pager Follow-Me Phone Number

You can change your pager follow-me phone number as follows if your installer enabled this feature:

Paging Feature (cont'd)

1. Access pager number programming by pressing in sequence the [#], [5], and [8] keys. An acknowledgement tone sounds to indicate pager number programming has been accessed.



The [#], [5], [8] command is accessible only while the system is disarmed and the dialer, dialer delay, and bell are not active.

LCD keypads will display the existing pager phone number.

2. Enter your new pager phone number. Your new pager phone number may consist of up to 16 characters (1-9, 0). It may be necessary to add time to allow the pager to answer before dialing your pager number. To enter a 2-second pause, press the [CODE] key. (Entering a 2-second pause is optional and is not required to enter your pager phone number.) If the [CODE] key was pressed, it counts as one character. The keypad will emit a single acknowledgement chirp as each number is pressed.
3. Press the [#] key after you have made your pager phone number changes. Pressing the [#] key saves your new pager number and nulls out the remaining locations. An acknowledgement tone sounds.

To exit without saving changes, press the [*] key to exit pager phone number programming. An acknowledgement tone sounds to indicate pager number programming has been exited.



If you press the [*] key without first pressing the [#] key to save your new pager phone number, the system exits the pager phone number programming mode without saving the changes.

If no key is pressed within 10 seconds, the pager phone number programming mode times out and exits automatically without saving any information entered.

Keypad Functions

Keypad Functions

System Turn On (Maid Code)

If you choose to have a code that cannot turn the system off, but can turn the system on, have your installer program this feature. If programmed, User Code No. 5 has system-on capability only, and you can issue this code to a temporary user so they can secure the premises when they leave.

Send Help Conditions

Your system can be programmed for three separate Send Help Alerts that send an emergency signal to your central station. These three alerts, along with their keypad combinations, are shown below:

Fire	Panic	Aux
[7] and [9]	[*] and [#]	[1] and [3]

Duress

Your system can be programmed to send an emergency signal to the central station if you are forced to enter the premises. If you choose to include this feature, User Code No. 6 is dedicated to this function and must only be used under a duress circumstance.

Quick On (Quick Arming) Yes No

If programmed by your installer, Quick On or Quick Arming allows you to turn the system on to the Away mode without entering a User Code. To enable Quick On:

Press [#], [1].

Keypad Functions (cont'd)

Quick Forced On Yes No

If programmed by your installer, Quick Forced On allows you to turn the burglar portion of your alarm system on to the Away mode, bypassing all zones that are not ready. To enable Quick Force On:

Press [#], [2].



A valid User Code is still required to turn the system off.

UL

The Quick Forced On feature is disabled on UL installations.

Quick Exit Yes No

If enabled, this feature allows the user to exit without having to disarm, then arm the system. It is activated by pressing the [STAY] key while the system is armed and not in entry delay. This starts the exit time, causes the keypad to beep once, and allows the user to exit without disarming the system. The system returns to its last armed state after the exit time has expired.

Quick Bypass Yes No

If you have Quick Bypass programmed for your system, you do not have to use your User Code to bypass zones. The Quick Bypass procedure is:

BYPASS , Zone No. (1-8)



Bypassed zones are not protected when the system is turned on. After the Bypass command has been accepted, the keypad sounds one long beep, and the zone or zones bypassed slowly blink.

Keypad Functions (cont'd)

The display will show:

LCD Keypad: BYPASSED: ZN1	Fixed-Word Keypad: 01 BYPASS
-------------------------------------	---

Set Time and Date

To set the time and date, press [#], [3]. Enter 2 digits each for hours, minutes, month, day, and year.

hours (00-23) minutes (01-59)

month (01-12) day (01-31) year (00-99)



In order to acknowledge your entry, a beep sounds after you set each component of the time and date.

Turn Chime On/Off

Chime is an optional feature that causes the keypad to chime when selected doors are opened when the burglary protection is off or disarmed.

Only your installer can program a zone for the Chime feature, but once it is programmed, you can turn Chime on or off to meet your daily needs. To turn Chime on or off:

Press [#], [6].

The fixed-word keypad displays the current status of the chime feature.

Testing the System

System Test

We recommend that you test your system once a week using the following procedure:



If your system is monitored, contact your central station before you perform this test.

1. Turn your security system on.
2. Wait until your exit time is over and then activate the system by opening a protected zone (for example, a window or door).
3. Confirm that the alarm sounding device (bell or siren) sounds. If your system is connected to a central station, the keypad sounds the ringback tone to confirm that the signal was received.
4. Turn the security system off.
5. Call the central station to tell them you are finished testing.

Battery Test

We recommend that you test your battery once a month. To test your backup/standby battery, follow this procedure.

1. Remove main power from the system.
2. Observe that the AC indicator light on the keypad goes off.
3. Activate your alarm by performing the above SYSTEM TEST. Remember to contact your central station if your system is monitored.
4. Restore main power to the security system.

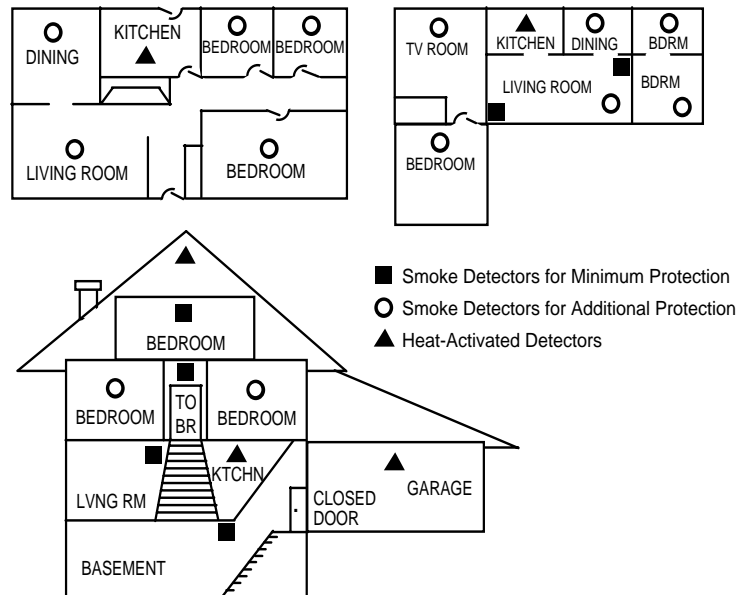
If you have any further questions about the operation of your system, please contact your alarm company.

Recommendations on Smoke Detectors

With regard to the number and placement of smoke/heat detectors, we subscribe to the recommendations contained in the National Fire Protection Association's (NFPA) Standard #72 noted below.

Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: A smoke detector installed outside of each separate sleeping area, in the immediate vicinity of the bedrooms and on each additional story of the family living unit, including basements and excluding crawl spaces and unfinished attics.

In addition, the NFPA recommends that you install heat or smoke detectors in the living room, dining room, bedroom(s), kitchen, hallway(s), attic, furnace room, utility and storage rooms, basements, and attached garages.



Emergency Evacuation

Establish and regularly practice a plan of escape in the event of fire. The following steps are recommended by the National Fire Protection Association:

1. Position your detector or your interior and/or exterior sounders so that they can be heard by all occupants.
2. Determine two means of escape from each room. One path of escape should lead to the door that permits normal exit from the building. The other is an alternative route, such as through a window, should your normal escape path be unpassable. Station an escape ladder at such windows if there is a long drop to the ground.
3. Sketch a floor plan of the building. Show windows, doors, stairs, and rooftops that can be used to escape. Indicate escape routes for each room. Keep these routes free from obstruction and post copies of the escape routes in every room.
4. Assure that all bedroom doors are shut while you are asleep. This will prevent deadly smoke from entering while you escape.
5. Try the door. If the door is hot, check your alternate escape route. If the door is cool, open it cautiously. Be prepared to slam the door shut if smoke or heat rushes in.
6. When smoke is present, crawl on the ground. Do not walk upright, since smoke rises and may overcome you. Clearer air is near the floor.
7. Escape quickly; don't panic.
8. Establish a common meeting place outdoors, away from your house, where everyone can meet and then take steps to contact the authorities and account for those missing. Choose someone to assure that nobody returns to the house — many die going back.

RADIO FREQUENCY EMISSIONS STATEMENTS

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INDUSTRY CANADA

This Class B digital apparatus complies with Canadian ICES-003.

Cet Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

TELEPHONE/MODEM INTERFACE STATEMENTS

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 68

This equipment complies with Part 68 of the FCC rules. On the front cover of this equipment is a label that contains the FCC registration number and Ringer Equivalence Number (REN). You must provide this information to the telephone company when requested.

This equipment uses the following USOC jack: RJ31X

This equipment may not be used on telephone-company-provided coin service. Connection to party lines is subject to state tariffs. This equipment is hearing-aid compatible.

INDUSTRY CANADA

NOTICE: The Industry Canada Label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves but should contact appropriate electric inspection authority, or electrician, as appropriate.

RINGER EQUIVALENCE NUMBER NOTICE

The **Ringer Equivalence Number** (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

INDUSTRIE CANADA

AVIS: L'étiquette d'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d'exploitation et de sécurité des réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par le fournisseur. L'entreprise de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, de lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à un électricien, selon le cas.

AVIS: L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ31X wall jack. We recommend that your certified installer demonstrate disconnecting the phones on installation of the system. Do not disconnect the phone connection inside the control/communicator. Doing so will result in the loss of your phone lines. If the regular phone works correctly after the control/communicator has been disconnected from the phone lines, the control/communicator has a problem and should be returned for repair. If upon disconnection of the control/communicator, there is still a problem on the line, notify the telephone company that it has a problem and request prompt repair service. The user may not under any circumstances (in or out of warranty) attempt any service or repairs to the system. It must be returned to the factory or an authorized service agency for all repairs.

This control unit was manufactured under rigid quality standards and complies with all UL requirements for its intended use. Maintenance is best performed by your installing company with trained service personnel.

CE 0560 DECLARATION OF CONFORMITY

Application of Council Directives 98/482/EC, 89/336/EEC, 73/23/EEC

Standards to which conformity is declared:

ETS 300 001:1997	EN50081-1	EN 50130-4:1995	EN 60950:1998
Intended use:	Alarm system, analogue subscriber interface to PSTN		
Restrictions:	None		
EMC environment:	RESIDENTIAL, COMMERCIAL AND LIGHT INDUSTRY		
Manufacturer:	FIRE BURGLARY INSTRUMENTS, INC		
Address:	180 Michael Drive, Syosset NY 11791, USA		
Customer support:	Contact your local distributor		

System Limitations

While this system is an advanced-design security system, it does not offer guaranteed protection against burglary, fire, or other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (e.g., passive infrared detectors), smoke detectors, and many other sensing devices will not work without batteries or if the batteries are not put in properly. Devices powered solely by a main power supply will not work if their main power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a key role in reducing residential fire deaths, they may not activate or provide early warning for a variety of reasons in as many as 35 percent of all fires. Some of the reasons smoke detectors used in conjunction with the system may not work are as follows: Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, on roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second-floor detector, for example, may not sense a first-floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded

System Limitations (cont'd)

electrical circuits, children playing with matches, or arson. Depending on the nature of the fire and/or the location of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death.

- A passive infrared motion detector can detect intrusion only within the designed ranges as diagrammed in its installation manual. Passive infrared detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can be detected only in unobstructed areas covered by the beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or windows. Mechanical tampering, masking, painting, or spraying of any material on the mirrors, windows, or any part of the optical system can reduce their detection ability. Passive infrared detectors sense changes in temperature; however, as the ambient temperature of the protected area approaches the temperature range of 90° to 104° Fahrenheit (32° to 40° Celsius), the detection performance can decrease.
- Alarm warning devices such as sirens, bells, or horns may not alert people or wake up sleepers who are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to waken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled by noise from a stereo, radio, air conditioner, other appliances, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service. Telephone lines are also subject to compromise by sophisticated intruders.

System Limitations (cont'd)

- However, even if the system responds to the emergency as intended, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as 20 years, the electronic components could fail at any time.

The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors are working properly.

Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners, and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

We continue to develop new and improved protection devices. Users of alarm systems owe it to themselves and their loved ones to learn about these developments.

Glossary

AC/LB LED: Yellow LED that, when lit, indicates the system is running on electricity; when not lit, indicates the system is running on the backup battery.

ALARM: Sound from keypad or other horn/siren indicates a burglar alarm, fire alarm, or other condition you should be alerted to.

ARMED: See ON/OFF.

AWAY: A system setting that protects the premises while it is unoccupied. All burglary sensors are active.

BURGLARY/FIRE: The two major functions of a security system. Fire protection is always on and cannot be turned off. The burglary sensors protect against unauthorized entry into your premises. The burglary protection can be turned on and off and programmed for special levels of access and notification.

BYPASS FEATURE: The Bypass feature allows you to exclude a selected zone or zones from the burglar alarm protection.

BYPASS KEY: Keypad key used to activate the Bypass feature.

CENTRAL STATION: Signal monitoring center contacted by your security system over the telephone and/or other communication channels when alarms are activated if your system is programmed to communicate alarms off site. The central station will follow their procedures and your instructions for contacting the proper authorities when a signal is received.

CHIME FEATURE: An optional feature that causes the keypad to chime for 1 second when selected doors are opened when the burglary protection is off or disarmed. Once programmed by your installer, you can turn Chime on and off by pressing [#], [6].

DURESS: Duress is a system feature that you may have programmed into your system. If someone should force you to turn your system off, you would use the special Duress User Code. This code turns the system off and sends a silent duress emergency signal to the central station so personnel can respond appropriately.

Glossary (cont'd)

ENTRY DELAY: The period of time allowed between opening a designated entry/exit door and turning off the alarm system before the system registers an alarm condition. This time is determined at the time of installation. Your system supports two entry times, allowing you to have a different length of time for different doors.

EXIT DELAY: The period of time allowed between turning the system on and leaving through a designated exit/entry door. This is determined at the time of installation.

INTERIOR ZONE: A group of points that protects the interior of your premises. You may want to turn the perimeter portion of your system on while leaving the interior zones off, allowing you to move freely inside, opening interior doors and passing by motion detectors without causing an alarm.

KEYPAD: A keypad is your link to your system. It displays alarm and trouble messages, shows faulted zones, and allows you to turn the system on/off by using the keys. Your system has one or more keypads.

ON/OFF: These terms refer to the burglary portion of your security system. There are several operation levels that allow you to protect part of your premises while you remain inside. Fire and other emergency and environmental sensors are always active and ready, and are not affected in any way by turning the burglary portion of your security system on or off. "Armed," a term that is sometimes used, means "system on". "Disarmed" means "system off." See ON-INSTANT, ON-STAY, and STAY.

ARM LED: Red LED in the upper portion of the keypad. When lit, some part of the burglar alarm system is on; when not lit, the burglary portion of the system is off.

ON-STAY: A system setting that turns on the perimeter protection of the building but allows movement throughout the inside.

PANIC BUTTON: A pushbutton that allows you to signal the central station that you need immediate assistance. Your system has programmable Keypad Send Help Alerts that can also serve as Panic buttons.

Glossary (cont'd)

PERIMETER ZONE: A group of points that protects the exterior of your premises such as your outside doors and windows.

SENSOR: The actual alarm sensor, detector, or device installed to detect an intrusion, fire, or environmental problem. Examples include: door contacts, window contacts, motion sensors, glassbreak sensors, smoke detectors, rate-of-rise heat detectors, temperature sensors, flood/water sensors, and carbon monoxide gas detectors.

SILENT CONDITION: Most types of alarms and troubles alert you with the keypad sounder and the sirens, horns, or speakers located in your premises. The intent is to advise you of the alarm or trouble and allow you to respond promptly. The audible sounds also let intruders know that they have been detected and will hopefully scare them away. In circumstances in which an audible alarm might put your life in danger, those alarms are programmed as silent conditions. For an example, see DURESS.

SYSTEM: Your security system is composed of three main parts: 1) the control panel that functions as the system brain and the link to the monitoring agency (central station); 2) the keypad(s) that inform you of system status and allow you to input commands; 3) security sensors, such as door and window contacts, motion sensors, smoke detectors, and other sensors, to detect intrusion, fire, and other conditions as needed for your premises.

USER CODE: A 4-digit code that is required to operate the system. The system supports up to 6 separate User Codes. The system supports one Master User who can add/delete other User Codes. Two of the User Codes may be dedicated to special functions as defined by your alarm company at the time of installation. (See System Reference in this guide.)

ZONE: A collection of sensors with common characteristics grouped together for your operating convenience.

LIMITED WARRANTY

Fire Burglary Instruments, Inc., a subsidiary of Pittway Corporation, and Pittway Corporation, its divisions, subsidiaries and affiliates ("Seller"), 180 Michael Drive, Syosset, New York 11791, warrants its security equipment (the "product") to be free from defects in material and workmanship for one year from date of original purchase, under normal use and service. Seller's obligation is limited to repairing or replacing, at its option, free of charge for parts, labor, or transportation, any product proved to be defective in materials or workmanship under normal use and service. Seller shall have no obligation under this warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than the Seller. In case of defect, contact the security professional who installed and maintains your security equipment or the Seller for product repair.

This one-year Limited Warranty is in lieu of all other expressed warranties, obligations or liabilities. THERE ARE NO EXPRESS WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. ANY IMPLIED WARRANTIES, OBLIGATIONS OR LIABILITIES MADE BY SELLER IN CONNECTION WITH THIS PRODUCT, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. ANY ACTION FOR BREACH OF ANY WARRANTY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN 60 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT. Some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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