XL-20

Security System

Owner's Manual

FBII(O)
FIRE BURGLARY INSTRUMENTS, INC.

TABLE OF CONTENTS

Quick Reference

TURN SYSTEM ON

Check to make sure the system is READY - Green ready light is lit

Enter your four digit user code (or press the Arm button on your keyfob).

The On/Off (Arm) light will light .

Exit through a door designated by your installer as an exit/entry door.

TURN SYSTEM OFF

Enter through a door designated by your installer as an exit/entry door.

Enter your four digit user code (or press the Disarm button on your keyfob).

The System On (Arm) light will go out.

TURN SYSTEM ON AND STAY INSIDE

Check to make sure the system is READY - Green ready light is lit.

| STAY | Followed by your user code

The On/Off (arm) light and the Stay light will both light.

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

TURN THE SYSTEM ON: PERIMETER SENSORS INSTANT MODE AND STAY INSIDE

Check to make sure the system is READY - Green ready light is lit

| INSTANT | followed by

| STAY | followed by your user code

The On/Off light, the Instant light and the Stay light will all be on.

SMOKE DETECTOR RESET

Enter your four digit user code.

Introduction

Congratulations on your decision to protect your home or business with the XL-20 security system. You have chosen a reliable, state of the art security system that is remarkably easy to operate. Your system has been professionally installed by your local Security Company who can explain the specifics of your system.

The keypad is the input and display device for your security system. Your system uses a XK-108 keypad. The XK-108 is a surface mount keypad containing indicator lights for each of the 8 zones (areas of protection). The door covering the buttons is optional and can be removed.

The XL-20 is listed by Underwriters Laboratories for Household Fire and Burglary applications.

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

| BYPASS | Button labeled BYPASS |

| INSTANT | Button labeled INSTANT |

| STAY | Button labeled STAY |

| CODE | Button labeled CODE |

Four digit user code

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

SYSTEM REFERENCE

ZONE   **DESCRIPTION**

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

Entry Time _____   Door _____   Exit Time _____

Entry Time _____   Door _____

Entry Time is the same for all designated Entry/Exit Doors.

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

ZONE	DESCRIPTION	BUTTONS
Left	_____	# & *
Center	_____	7 & 9
Right	_____	1 & 3

USER ID   **ASSIGNED TO**

1 _____ (MASTER USER 1)

2 _____

3 _____

4 _____

5 _____

6 _____

*Master User can add, change, or erase other user codes.

Monitoring Station Information

Account # _____

Telephone # _____
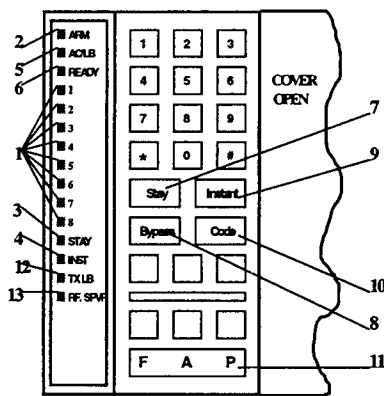
XK-108 KEYPAD

1) ZONE STATUS LEDS

These LEDS display the current zone status including alarms, bypasses, troubles and faults. Each condition will cause these LEDS to operate differently as follows:

ALARMS Fast Blink (approx. 150 ms. ON - 150 ms. OFF).

TROUBLES Slow Pulse (approx. 600 ms. ON - 600 ms. OFF).

BYPASSES Wink (100 ms. ON - 900 ms. OFF). Zone bypasses are displayed as a very slow wink of the zone LED light.

FAULTED ZONES Solid ON. Faulted zones are the lowest priority indication. Faulted burglary zones are displayed with the LED solidly ON while the system is disarmed.

NORMAL OFF

2) ARM/DISARM LED

This LED indicates whether the system is currently armed (ON) or disarmed (OFF). This LED will also blink fast to show that alarms have occurred or blink slowly upon failure to communicate with the Central Station.

3) STAY LED

This LED displays whether the system has been armed in the STAY mode or the STAY/INSTANT mode. If the INSTANT LED is ON and the STAY LED is ON, then the system is in the STAY/INSTANT mode. If the INSTANT LED is OFF and the STAY LED is ON, then the system is in the STAY mode only. STAY/ INSTANT is enabled in programming question 05, location 2. In either mode the STAY LED indicates the following:

ON   Interior zones are bypassed

OFF   Interior zones are active armedl

4) INSTANT LED

This LED displays whether the system has been armed in the STAY/INSTANT mode, meaning that the system is currently armed, all delay zones are instant and all interior zones are bypassed. **NOTE:** See programming question 05, location 2.

ON   Delay zones are currently instant

OFF   Delay zones are normal

5) AC/LOW BATTERY LED

This indicator light displays the current power status of the panel as follows;

ON   AC is present

OFF   No AC, running on battery backup

Slow Blink   Low battery condition detected

6) READY LED

This LED displays whether the system is ready for arming. The READY light is common to all BURGLARY ZONES with the following indications:

ON   System ready to be armed

OFF   System not ready to be armed

Slow Blink   Indicates Installer programming mode

Fast Blink   Alarm Memory Mode

7) STAY BUTTON

The STAY button enables arming the system, excluding zones programmed as interior zones. This will provide exterior protection of the location while

allowing full access throughout the interior.

8) BYPASS BUTTON

The BYPASS button is used to temporarily exclude protection of a specific zone.

9) INSTANT BUTTON

The INSTANT button enables arming the system elimenating entry/exit delays. If enabled with the STAY button, it enables arming the system in the STAY/INSTANT mode. **NOTE:** The INSTANT modes are enabled in question #05, location 2.

10) CODE BUTTON

The CODE button is used to enter the installer programming mode and entry of user codes.

11) KEYPAD AUXILIARY KEYS

Pressing the two keys (top & bottom) labeled "P" at the same time initiates a CS transmission, if programmed, of PANIC, AUXILIARY or FIRE, annunciates the keypad sounder and turns on the bell output. If not programmed to transmit, these keys can only result in a local warning as follows (see question 05, location 1):

Keypad Sounder - Steady for PANIC, Pulsing for FIRE and AUXILIARY

Bell Output - Steady for PANIC, Pulsing for FIRE

12) TX LB LED

This LED will pulse whenever any RF transmitter has a low battery. Also, the corresponding zone LED for that transmitter will pulse.

13) RF SPVR LED

This LED will indicate three different RF supervisory conditions and one bell output supervisory condition as follows:

No supervision conditions exist (normal)

ON   RF transmitter has not checked in for more than 12 hours

BLINKING (fast)   RF transmitter reports a tamper condition

BLINKING (slow)   Bell Output is in supervision

TURNING THE SYSTEM ON

You can turn the Burglar portion of your security system on and off. Before you turn the system on it must be ready. If you have a protected door open, or someone is moving by a motion detector the system will not show ready.

The system is ready if the ready light is on.

TURN THE SYSTEM ON AND LEAVE

Enter your four digit user code.

The System On (Arm) light will go on.

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

NOT READY

If the system is not ready to be armed, the READY light will be off and the Zone lights will show which zone or zones are not ready. The zone lights on the keypad indicate the following conditions:

Fast Blink	Alarm
Slow Blink/Low Intensity	Bypass
Slow Pulse	Trouble
Solid On	Not Ready

Example: If the Ready light is not lit and the zone one light is solid on. An alarm sensor on zone one is not normal. This might mean that a window is open or someone is walking through a motion sensor. Check all sensors on zone one and resolve the problem. When all sensors are normal the Ready light will come on and the zone light will go out.

TO TURN THE SYSTEM ON - NOT READY

Determine which zone or zones is 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. Example: you wish to keep the window open for ventilation. Zones that are bypassed are not protected when the system is on. See Bypass for the correct procedure.

TURN SYSTEM ON AND STAY INSIDE

To turn the perimeter portion of your burglar alarm on and move around freely inside is the STAY mode.

Check to make sure the system is READY; when ready press:

| STAY | Followed by your user code.

If successful the On/Off (arm) light will be lit and the Stay light will also be lit.

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

TURN THE SYSTEM ON: PERIMETER SENSORS INSTANT MODE AND STAY INSIDE

In **INSTANT STAY** mode the perimeter portion of your burglar alarm system is on and 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 ready press:

| INSTANT | followed by

| STAY | followed by your user code.

If successful the On/Off light, the Instant light and the Stay light will all be on.

TURN THE SYSTEM ON WITH ALL SENSORS IN INSTANT RESPONSE MODE

In **INSTANT** mode all alarm sensors will report an alarm immediately if activated including the doors that normally have a delay to allow you to turn the system off.

Check to make sure the system is READY, when ready press:

| INSTANT | followed by your user code.

If successful the On/Off light and the Instant light be on.

BYPASS

Bypass excludes a zone of protection from the security system until it is unbypasssed or until the next time you disarm the system. Bypassing can only be done while the system is turned off.

Press the Bypass Button followed by your user code and then the Zone # (1-8) to be bypassed.

User Code *

| BYPASS | □□□□ ZONE # |

If Quick Bypass is enabled, you need only to press the Bypass button and the Zone #.

NOTE: Bypassed zones are not protected when the system is turned on. After the bypass command has been accepted the keypad will sound one long beep and the zone or zones bypassed will slowly blink.

NOTE: Temporary users (i.e. baby sitters, housekeepers, etc.) should not be shown the Bypass procedure.

UNBYPASS

Unbypass returns a bypassed zone to normal operation.

Unbypass is a repeat of the bypass function.

User Code *

| BYPASS | □□□□ ZONE # |

After unbypassing the zone display will show the state of the zones.

* Code is not requiered if your system was programmed with quick bypass.

TURN THE SYSTEM OFF

When you turn off the system you turn off only the burglar portion of your system, any smoke or heat detectors and panic buttons 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.

Enter your four digit user code.

If no alarms have taken place, the On/Off light (labeled arm) will go off.

If alarms occurred when the system was on , or if a trouble condition exists they will display on the zone indicator lights as follows:

Fast Blink	Alarm
Slow Blink/Low Intensity	Bypass
Slow Pulse	Trouble
Solid On	Not Ready

Burglary Alarms will sound a steady sound through the keypad(s) and fire alarms will 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 for the police.

After you have turned the system off with your user code the keypad will indicate alarm memory.

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

Enter your four digit user code again.

USER CODES

ADD OR CHANGE A USER CODE

Users can be entered or modified directly through the keypad. Your system can have up to 6 different User Codes. User #1 is the Master User and is the only one allowed to add, or delete other users.

Press the Code button followed by the four digit master user code then the user # and the new four digit user code. The keypad will beep after each digit is pressed.

Master User Code   User ID   New User Code

CODE	□□□□	1-6	□□□□

There is a record sheet provided in the back of the book to help you plan and record your users. On this sheet your installer will indicate if you have chosen to dedicate a user code to send an emergency signal in the case of Ambush or Duress. You may also have chosen to reserve one user code that is only allowed to turn the system on, this code will not be able to turn the system off.

DELETE A USER CODE

To delete user #3, press the code button followed by the four digit master user code, then the user # then * to delete.

Master User Code   User ID   New User Code

CODE	□□□□	3	□□□□

NOTE: User #1, the master user, cannot be deleted but it can be changed using the ADD OR CHANGE USER PROCEDURE.

KEYPAD FUNCTIONS

TURN SYSTEM ON ONLY (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 #5 will have System On capability only and you can issue this code to a temporary user so they can secure the premises when they leave.

KEYPAD - SEND HELP CONDITIONS

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

Fire	Panic	Aux
[7] [9]	[*] [#]	[1] [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 number 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 user code.

1

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.

2

NOTE: A valid user code is still required to turn the system off. This 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 will be activated by pressing the [STAY] key while the system is armed and not in entry delay. this will start exit time, cause the keypad to beep once and allow the user to exit without disarming the system. The system will return to its last armed state after exit time sa expired.

Quick Bypass - Yes ☐ No ☐

If you have quick bypass programmed for your system you will not have to use your user code to bypass zones. The quick bypass procedure is:

| BYPASS | ZONE (1-8)

NOTE: Bypassed zones are not protected when the system is turned on. After the bypass command has been accepted the keypad will sound one long beep and the zone or zones bypassed will slowly blink.

Set Time and Date

To set the time and date:

Press # 3 ☐☐ [hours] ☐☐ [minutes] ☐☐ [month] ☐☐

[day] ☐☐ [year]

where hours (01-23), minutes (00-59), month (01-12), day (01-31) and year (00-99).

Note: In order to acknowledge your entry, a beep will sound after setting 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 programmed you can turn chime on or off to meet your daily needs. To turn chime on or off.

Press # 6

SYSTEM TEST

It is recommended that you test your system once a week using the following procedure:

NOTE: 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 them 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 will sound 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 done testing.

BATTERY TEST

It is recommended that you test your Battery once a month. In order to test your backup/standby battery, the following procedure should be followed:

1. Unplug the transformer from the AC outlet by removing the restraining screw which secures the transformer to the wall. (Note: the screw is not present on the models sold in Canada.)

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. Plug the transformer into the AC outlet and secure with the restraining screw. (Note: the screw is not present on the models sold in Canada.)

The National Fire Protective Association publishes a standard for fire warning equipment (NFPA publication #74). Further information can be obtained by contacting: NFPA Public Affairs Dept., Batterymarch Park, Quincy, MA 02269.

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

ADEMCO GROUP