

..... **FAI 700C**  
**Commercial Fire and Burglary**  
**Partitioned Security System**  
**with Scheduling**



**User Guide**

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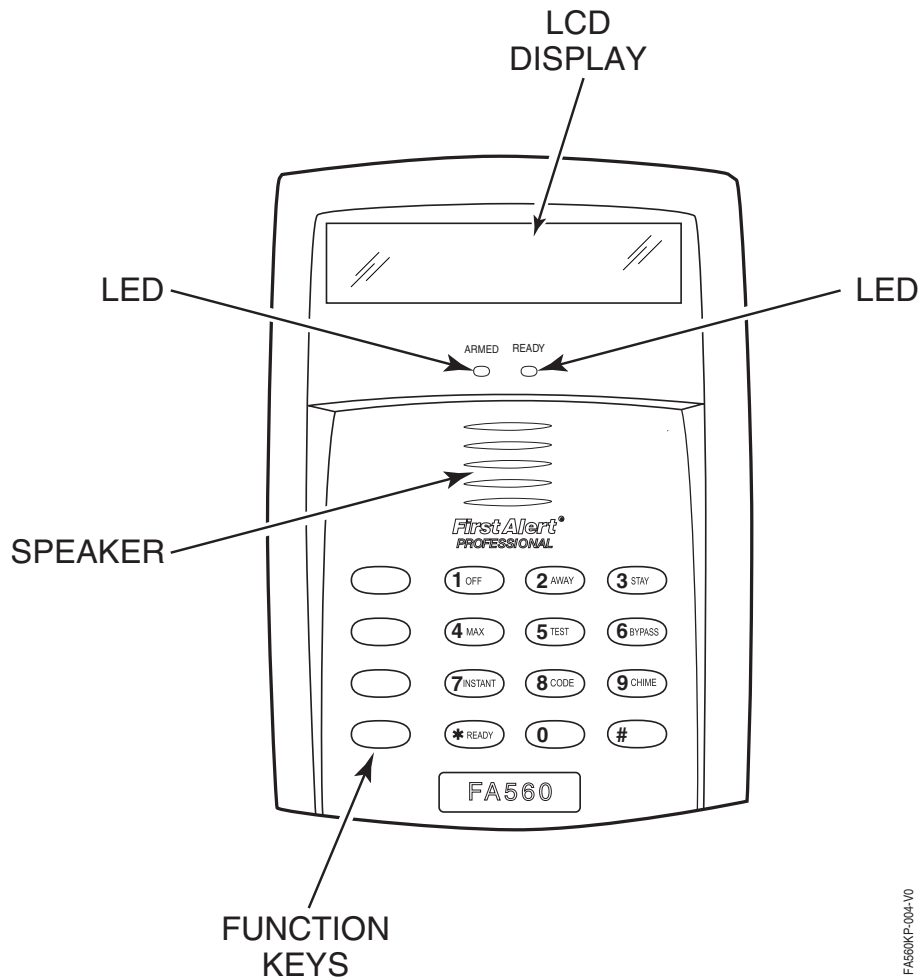








## Functions Of The Keypad



FA560KP-004-V0

**IMPORTANT!** When using the keypad to enter codes and commands, sequential key depressions must be made within 3 seconds of one another. If 3 seconds elapses without a key depression, the entry is aborted and must be repeated from its beginning.





















































































































## Quick Guide To System Functions

FUNCTION	PROCEDURE	COMMENTS
Check Zones	Press [*].	To view faulted zones when is system not ready
Display All Descriptors	Press and hold [*] for 5 seconds.	Displays all alpha descriptors programmed by installer.
Arm System	Enter code. Press arming key desired (AWAY, STAY, INSTANT, MAXIMUM).	Arms system in mode selected. <b>NOTE: After pressing the STAY or INSTANT arming key, enter 1, 2 or 3 to arm in the desired STAY or INSTANT mode.</b>
Disarm System	Enter code. Press OFF [1].	Disarms system and silences alarms.
Bypass Zones	Enter code. Press BYPASS [6]. Enter zone numbers to be bypassed (use 3-digit entries).	Bypassed zones are unprotected and will not cause an alarm if violated.
Quick Bypass	Enter code. Press BYPASS [6]. Press [#].	Bypasses all faulted zones automatically.
Group Bypass	Enter code. Press BYPASS [6]. Press [*]. Enter Group Number (01-15)	Bypasses all zones assigned to the group.
Chime Mode	Enter code. Press CHIME [9].	Keypad will sound if doors or windows are violated while system disarmed.
Test Mode	Enter code. Press TEST [5]	Activates alarm sounder and allows sensors to be tested.
View Messages	Press and hold [0] for at least 5 seconds.	Message from central station will appear.
View User Capabilities	Enter user's code. Press [*] + [*].	Displays partitions & authority levels assigned to the user.
GOTO Partition	Enter security code. Press [*]. Enter partition number (1-8). 0 returns to default partition.	Allows a user at one keypad to perform functions in another partition, if that user is authorized to do so.
Self-Help	Press and hold any function key for at least 5 seconds.	Will display abbreviated instructions for the key pressed.
Add a User	Enter master/manager code. Press CODE [8]. Enter new user's user number. Enter code for that user. Enter authority for that user in this partition (1-5). Follow prompts, 1=Yes, 0=No.	Master & Manager level users can add users to the system, each with its own code and authority level.
Change a User's Code	Enter master/manager code. Press CODE [8]. Enter user's 3-digit number. Enter new code for that user. Press 0 (No) at prompt.	Master & Manager level users can change their own or other users' codes.

## ***Quick Guide To System Functions (cont'd)***

<b>FUNCTION</b>	<b>PROCEDURE</b>	<b>COMMENTS</b>
Delete a User	Enter master/manager code. Press CODE [8]. Enter user no. to be deleted. Enter master/manager code. Press 1 (Yes) at prompt.	Master & Manager level users can delete users. A user can only be deleted by a user with higher authority level.
Control Output Device	Enter security code. Press [#] Enter 71 or 72.	Activate output device as programmed.
	Enter security code. Press [#] Enter 70.	Activate output device manually
	Enter security code. Press [#] Enter 77.	Activate output device or system event instantly
Randomize Output Device	Enter security code. Press [#] Enter 41	Randomize output devices set for random schedules
	Enter security code. Press [#] Enter 42.	Randomize output devices set for random schedules with activation times between 6 PM and 5 AM
	Enter the sequence used to activate randomization.	De-activate randomization
Panel Linking	Enter security code (002-050) Press [#]. Enter 86.	Activate single-panel single-partition mode.
	Enter security code (002-050) Press [#]. Enter 85.	Exit single-panel single-partition mode.
	Enter security code (002-050) Press [#]. Enter 88.	Activate multi-partition multi-panel mode.
	Enter security code (002-050) Press [#]. Enter 87.	Activate multi-panel view mode.
	Enter 0.	Exit multi-partition multi-panel mode and multi-panel view mode.
Access Control	Enter security code. Enter 0.	Activate access relay for current partition.
	Enter security code Press [#]. Enter 73.	Request to enter or exit at a console.
	Enter security code Press [#]. Enter 74. Enter access point number.	Request to enter or exit at an access point.
	Enter security code. Press [#]. Enter 75. Enter access point number. Enter state (1-3)	Change the access point state.
	Enter security code Press [#]. Enter 79.	Perform an access control card function.

## **Summary Of Audible Notification**

### **(Alpha Display Keypads)**

<b>SOUND</b>	<b>CAUSE</b>	<b>DISPLAY</b>
LOUD, INTERRUPTED* Keypad & External	FIRE ALARM	<b>FIRE</b> is displayed; descriptor of zone in alarm is displayed.
LOUD, CONTINUOUS* Keypad & External	BURGLARY/AUDIBLE EMERGENCY ALARM	<b>ALARM</b> is displayed; descriptor of zone in alarm is also displayed.
ONE SHORT BEEP (not repeated) Keypad only	a. SYSTEM DISARM b. SYSTEM ARMING ATTEMPT WITH AN OPEN ZONE. c. BYPASS VERIFY	a. <b>DISARMED/READY TO ARM</b> is displayed. b. The number and descriptor of the open protection zone is displayed. c. Numbers and descriptors of the bypassed protection zones are displayed (One beep is heard for each zone displayed). Subsequently, the following is displayed: <b>DISARMED BYPASS Ready to Arm</b>
ONE SHORT BEEP (once every 15 sec.) Keypad only	SYSTEM IS IN TEST MODE	Opened Zone identifications will appear.
TWO SHORT BEEPS (once every 5 sec.) Keypad only	SYSTEM IS ABOUT TO AUTOMATICALLY EXIT TEST MODE	Opened Zone identifications will appear.
ONE BEEP (every 60 sec.) Keypad only	LOW BATTERY AT A TRANSMITTER	<b>LO BAT</b> displayed with description of transmitter.
TWO SHORT BEEPS Keypad only	ARM AWAY OR MAXIMUM	<b>ARMED AWAY</b> or <b>ARMED MAXIMUM</b> is displayed. Red ARMED indicator is lit.
THREE SHORT BEEPS Keypad only	a. ARM STAY OR INSTANT b. ZONE OPENED WHILE SYSTEM IS IN CHIME MODE. c. ENTRY WARNING**	a. <b>ARMED STAY ZONE BYPASSED</b> or <b>ARMED INSTANT ZONE BYPASSED</b> is displayed. Red ARMED indicator is lit. b. <b>CHIME</b> displayed, descriptor of open protection zone will be displayed if the [*] key is pressed. c. <b>DISARM SYSTEM OR ALARM WILL OCCUR</b> is displayed.
RAPID BEEPING Keypad only	a. TROUBLE b. AC POWER LOSS ALERT*** c. MEMORY OF ALARM	a. <b>CHECK</b> displayed. Descriptor of troubled protection zone is displayed. b. <b>AC LOSS</b> displayed (may alternate with other displays that may be present). c. <b>FIRE</b> or <b>ALARM</b> is displayed; descriptor of zone in alarm is displayed.
SLOW BEEPING Keypad only	a. ENTRY DELAY WARNING** b. EXIT DELAY WARNING (if programmed)	a. <b>DISARM SYSTEM OR ALARM WILL OCCUR</b> is displayed. Exceeding the delay time without disarming causes alarm. b. <b>ARMED AWAY</b> or <b>ARMED MAXIMUM</b> is displayed along with <b>You May Exit Now</b>

\* If bell is used as Notification Appliance, fire alarm is pulsed ring; burglary/audible emergency is steady ring.

\*\* Entry warning may consist of three short beeps or slow continuous beeping, as programmed by your installer.

\*\*\* Loss of system battery power is not indicated or annunciated by the keypad (warnings are for loss of AC power only).

**UL NOTICE: This is a “GRADE A” system.**

**“FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT”**

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer’s instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the receiver away from the control/communicator.
- Move the antenna leads away from any wire runs to the control/communicator.
- Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: “Interference Handbook”

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User’s Manual. Unauthorized changes or modifications could void the user’s authority to operate the equipment.

**IN THE EVENT OF TELEPHONE OPERATIONAL PROBLEMS**

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ31X (CA38A in Canada) telephone 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 they have 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.

**“FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 68 NOTICE**

This equipment complies with Part 68 of the FCC rules. On the front cover of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

This equipment uses the following jacks:

An RJ31X is used to connect this equipment to the telephone network.

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

If this equipment 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, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe necessary.

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 the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with this equipment, please contact the manufacturer for repair and warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.

There are no user serviceable components in this product, and all necessary repairs must be made by the manufacturer. Other repair methods may invalidate the FCC registration on this product.

This equipment cannot be used on telephone company-provided coin service. Connection to Party Line Service is subject to state tariffs.

This equipment is hearing-aid compatible.

When programming or making test calls to an emergency number, briefly explain to the dispatcher the reason for the call. Perform such activities in the off-peak hours; such as early morning or late evening.

**CANADIAN DEPARTMENT OF COMMUNICATIONS  
(DOC) STATEMENT**

**NOTICE**

The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. 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. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of certified connector assembly (telephone extension cord). 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 made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause 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:** User should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100.

**AVIS**

L'étiquette du ministère des Communications du Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. 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 télécommunications. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. Dans certains cas, les fils intérieurs de l'entreprise utilisés pour un service individuel à la ligne unique peuvent être prolongés au moyen d'un dispositif homologué de raccordement (cordon prolongateur téléphonique interne). 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. Actuellement, les entreprises de télécommunications ne permettent pas que l'on raccorde leur matériel aux prises d'abonnés, sauf dans les cas précis prévus par les tarifs particuliers de ces entreprises.

Les réparations du matériel homologué doivent être effectuées pas un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie 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 en terre de la source d'énergie électrique, des lignes téléphoniques de réseau de conduites d'eau s'il y en a, soient 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.

L'indice de charge (IC) assigné à chaque dispositif terminal pour éviter toute surcharge indique le pourcentage de la charge totale qui peut être raccordé à un circuit téléphonique bouclé utilisé par ce dispositif. La terminaison du circuit bouclé peut être constituée de n'importe quelle combinaison de dispositifs, pourvu que la somme des indices de charge de l'ensemble des dispositifs ne dépasse pas 100.

## **WARNING!**

### **THE LIMITATIONS OF THIS ALARM SYSTEM**

While this system is an advanced design security system, it does not offer guaranteed protection against burglary or 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 power. Battery operated devices will not work without batteries, with dead batteries, or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC 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 in the United States, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this System may not work are as follows. Smoke detectors may have been improperly installed and positioned. Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or 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 electrical circuits, children playing with matches, or arson. Depending upon the nature of the fire and/or the locations 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.
- Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by those 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 protected area approaches the temperature range of 90° to 105°F, the detection performance can decrease.
- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers if they 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 from a stereo, radio, air conditioner or other appliance, 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 or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
- Even if the system responds to the emergency as intended, however, 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 10 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 and transmitters 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.

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