

# OWNER'S MANUAL

## DIGI-KEY-IV-F

With **SCANTRONIC**

**6000/8000 Series Control Panels**

**SCANTRONIC**

*World Class Security*

U.L. LISTED

4772 FRONTIER WAY, STOCKTON, CA 95215

## **OPERATING INSTRUCTIONS**

*Paragraphs that are indicated by a  refer to options that may or may not apply to your system. Those  which your installer has marked with an "x" should be read as they contain information which pertains to your system.*

*The material in this publication is for information purposes only and is subject to change without notice. SCANTRONIC (USA) INC. assumes no responsibility for any error which may appear in this publication.*

# GENERAL DESCRIPTION

The DKIV-F is a digital arming station that provides full system control and displays full system status from one or more convenient locations. A brief description of the functions of each light is shown in Figure 1. Additionally, built into each DKIV-F is a miniature sounding device which, when active, indicates various conditions such as a Pre-Alarm Warning, Fault Condition, Test Modes of operation, or Door Annunciation.

Your Digi-Key has the added convenience of additional access codes. These secondary codes are designed to provide access to a maid or other service persons for whom you want to grant entry. Obviously, they can also be used in any other way that you desire.

Arming, disarming, bypassing zones, etc., can be accomplished using any of the codes. In order to change codes from the keypad, use of the primary access code is required. Access codes can be changed from keypad and may have from 3 to 6 digits.

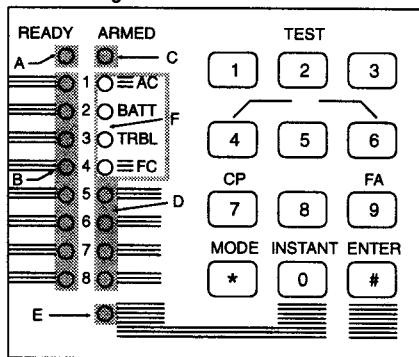


FIGURE 1

- A Green "READY Light" — when on indicates that all protected areas are secure and system is ready to be armed. A blinking ready light indicates a Fault Condition.
- B Red "Zone Lights" — when on indicate that a particular protected area is not secure. A blinking zone light indicates an alarm has occurred and identifies the specific zone that was violated.
- C Red "General ARMED Light" — when on indicates system is armed or on. A blinking armed light indicates that an alarm has occurred.
- D Red "Individual Armed Lights" — when on indicate which specific areas of protection are armed.
- E Amber "INSTANT Light" — when on indicates that delay zones are in Instant Mode.
- F Red lights indicate nature of fault in "Fault Analysis" mode when on as follows: AC - No AC power; Batt - Low Battery condition; TRBL - a trouble condition on zone(s) as indicated by red zone lights; FC - Failure to Communicate.

***NOTE: The CP on key "7" stands for change program, the FA on key "9" stands for fault analysis. The I/D on key "0" stands for instant/delay.***

***NOTE: 24 hour zones indicate individual armed status.***

# ARMING/DISARMING MODE CHANGING AND ZONE BYPASS IN CONVENTIONAL MODE

## DISARMING SYSTEM

(when armed light is on)

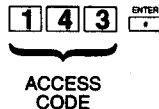
To Disarm your system (assume Access Code 143), enter your Access Code, key sequence as follows:



Your system is now disarmed. All armed lights are off.

## ARMING SYSTEM WITH READY LIGHT ON

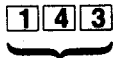
If READY light is on, all zones may be armed by entering your Access Code, key sequence as follows:



Your system is now armed. All armed lights are on.

## ZONE BYPASS READY LIGHT ON OR OFF

If one of the left hand zone lights is on, a door or window is open or a zone is violated. Let us assume that the zone 3 window is open. The zone 3 left hand light will be on. Entering the Access Code will not arm the system because the zone 3 window is open. Suppose that the window is intentionally left open to allow some air circulation and the rest of the zones are to be armed. To bypass a zone, enter your access code, then enter the number of the zone to be bypassed (in this case "3"), enter key sequence as follows:



ACCESS  
CODE



ZONE  
BYPASS

All the other burglary zones except zone 3 will light. Zone 3 is now deactivated. If the window is closed and opened again, an alarm condition will not result as this zone will be bypassed until the system is disarmed and rearmed.

## GROUP BYPASS

Instead of bypassing zones individually, your installer has assigned several zones together to be bypassed all at one time. An example would be turning off all the interior zones of the premise allowing movement, while still protecting the perimeter.

Example: Zones 2, 3, and 4 have been assigned as interior zones. To bypass zones 2, 3, and 4 enter the following key sequence:



ACCESS  
CODE



GROUP  
BYPASS

### ABBREVIATED ARMING

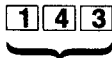
Allows system to be armed by using only the first one, two, or three digits of the access code. Once your installer has selected the number of digits for abbreviated arming, access code(s) may be changed without effecting abbreviated arming number of digits. Do not use full access code for arming or zone bypass may occur.

# MODES

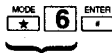
## CHIME MODE

Your installer has designated certain burglary zones to briefly activate the mini-sounder contained in each keypad. These zones typically announce that a door has been opened or closed while the panel was disarmed.

To select for chime operation, enter the following key sequence:



ACCESS  
CODE



MODE  
SEQUENCE

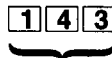
If chime operation is not desired, simply re-enter the key sequence.

## INSTANT/DELAY MODE

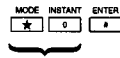
The system should be in the Delay Mode when leaving the premise. This will delay arming, allowing time to exit. When entering, the alarm will be delayed allowing time to disarm the system. The audible warning device will sound reminding you to disarm the system.

The Instant Mode is primarily used in residences. It is used during sleeping hours when a delay is not desirable.

If the Instant Mode is desired enter key sequence as follows:



ACCESS  
CODE



MODE  
SEQUENCE

The amber light indicates when the AVENGER system is in the Instant Mode (the INSTANT light is on).

Example: The INSTANT light is on indicating the Instant Mode. If the Delay Mode is desired, use the same sequence as above. The mode will now change from Instant Mode to the Delay Mode (The INSTANT light is off).

## **TESTING PANEL FUNCTIONS**

Your alarm system and its associated components (intrusion detectors, smoke detectors, etc.) should be tested periodically. You can test most of the devices yourself. Example: The intrusion detector can be tested by disarming the system and walking, or having someone walk in front of it while observing the associated LEDs. The LED should go on and off showing that the intrusion detector and the connections to the panel are operational. The same can be done with doors, windows, etc. If in doubt as how to test associated devices, read the owner's manuals that accompany these devices or discuss with your installer.

## **TESTING COMMUNICATOR**

Check with your installer as to how to test, and how often to test the communicator portion of your AVENGER system. Various central monitoring stations have different procedures for testing the communicator. Your installer is familiar with this procedure.

## **TESTING BATTERY AV-6000/8000**

The battery should be tested at least once a week in the following manner. Your installer has designated one at the special keypad key pairs as a bell test. This key pair combination should be pressed to initiate an alarm. While the alarm is ringing remove AC power. If bell output sound is lower when AC power is removed, call for service. When test is completed, enter access code at keypad to shut bell off.

## **TESTING BATTERY AND BELL USING BELL/BATTERY/FIRE TEST SWITCH AV-6000F/AV-8000F**

Your installer has installed a Bell/battery and fire test switch on the left side of your control panel. Pressing this switch will remove AC power and ring the Bell or siren. The fire power will also be reset on the AV-6000. Depress the switch for at least (10) seconds and listen to the bell. If the bell output is reduced, call for service.



## FAULT ANALYSIS MODE

The Fault Analysis mode is used to diagnosis a problem which could, if unheeded potentially render your system inactive. If such a fault should occur it will be indicated by a flashing green "READY" light and simultaneous audible warning at the keypad. Faults that can be identified are as follows:

- AC: Indicates the A.C. power to your alarm system has been disrupted.
- BATT: Indicates a low battery condition.
- TRBL: Indicates a trouble condition associated with a specific zone. Red "Zone Lights" in the fault analysis mode when on indicate the troubled zone.
- FC: Indicates failure to communicate to the central monitoring station.

To identify the nature of the problem and silence the audible warning, enter the following key sequence:

1 4 3

ACCESS  
CODE

MODE 9 ENTER  
\* 9 \*

MODE  
SEQUENCE

The lights on the keypad will now indicate the nature of the problem for 5 seconds, then return to the normal display.

Discuss with your installer what action to take if a problem should occur. If a trouble condition occurs on a fire zone, call your installer immediately.

## SPECIAL MODES

- Smoke Detector Reset from keypad
- Duress from keypad
- Silent alarm from keypad
- Audible alarm from keypad
- Fire alarm from keypad
- Medical alarm from keypad

Consult your installer to determine if your system is configured for any of these options.

## SMOKE DETECTOR RESET

Depending upon the system, resetting smoke detector (s) is accomplished differently. Your installer will check the appropriate method described below.

- AV-8000 — Smoke Detector(s) may be manually reset by simultaneously pressing the **1** + **3** on the DKIV-F keypad.
- AV-8000 — Smoke detectors will automatically reset when clearing the alarm memory after a fire alarm has occurred.
- AV-6000 — Your installer has provided a switch to provide the smoke detector(s) reset function.

**NOTE: The communicator or the receiving end to which this equipment transmits signals have not been evaluated by U.L.**

**RECOMMENDATION: If, when arriving home, the burglar alarm is sounding, contact police from a nearby location. Do not enter your residence.**

## DURESS (AMBUSH)

Duress is used during a hold-up when you're ordered to disarm your system. When used, a silent alarm is transmitted to the central monitoring station. Press the **INSTANT** after your Access Code, then press the **ENTER #**. The system will disarm and a silent alarm will be transmitted.


There are four special emergency codes that can be initiated at the keypad. **THESE EMERGENCY ALARM KEY PAIRS MUST BE PRESSED SIMULTANEOUSLY** (a feature designed to minimize false alarms). Pressing the **ENTER #** first and then pressing the **MODE \*** while the **ENTER #** is still held down will NOT send an emergency signal. The special key pair combinations are:

**1** and **3**  
**4** and **6**  
**CP** **7** and **9**  
**MODE \*** and **ENTER #**

Consult your installer/dealer as to which one(s) of these are used, if any, and which combination initiates which alarm. The special symbols above specific rows are to help you identify which keys to press in case of an emergency situation.

## ❑ MULTI-PREMISE MODE

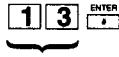
Your installer/dealer has assigned specific zone(s) for you. Other users are sharing the same alarm system. There is very little interaction between users, and arming and bypassing zones can be done without interfering with other users. Bypassing zones is explained in the section on conventional mode.

Entering the Access Code and then pressing  will arm all of your zones. (To disarm your section, you must bypass all zones assigned to you.)


Example: You are assigned zones 1, 2 and 3. Your Access Code is 143, and you wish to disarm zones 1 and 3. Use key sequence as follows:



ACCESS  
CODE





ZONE  
BYPASS

If all zones were to be disarmed, then 1, 2 and 3 would have to be pressed after the Access Code is entered and before the  is depressed.

In case of an alarm condition, enter your Access Code. This will shut the alarm off.

## FAULT ANALYSIS MODE

The Fault Analysis Mode is used in Multi-premise as it would be in the single user mode to indicate a general system fault. (see Fault Analysis Mode page 3 of this manual). When a fault occurs it will be indicated by an audible warning at each user keypad.

To silence the audible warning press key pairs  and  simultaneously. Any user may use the Fault Analysis Mode to silence the audible warning. Once initiated the tone is silenced in all user keypads.

The fault may or may not be displayed depending on system programming.

Example: An A.C. power failure occurs. A.C. fault will only be displayed at the user keypad who was assigned zone 1.

## ❑ OPENING AND CLOSING BY USER

The Opening and Closing by user code identifies the user who disarms (opening) and arms (closing) the system. This is accomplished by assigning an individual access code to each (up to 8) users. The primary access code is always reported as user one. Seven additional secondary access codes may be selected.

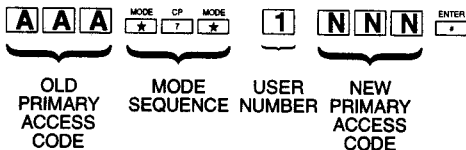
Select secondary codes as shown in "Entering or Changing Secondary Access Code" section.

# CHANGING ACCESS CODE(S) FROM THE KEYPAD

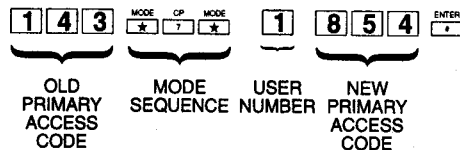
## CHANGING ACCESS CODES

Sometimes it may become necessary to change your access code or to assign additional user codes. For example, a "MAIDS CODE" for cleaning services. The primary access code is always designated as User 1.

To change your access code, enter the following key sequences:



In the following example, the new code is to be 854. Enter the following key sequence:

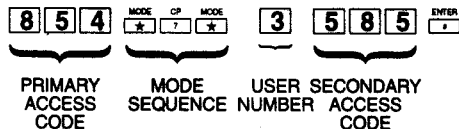


The new code is now programmed into your system. This code change affects individual keypads only. Other keypads can be programmed with the same or different codes.

## ENTERING OR CHANGING SECONDARY ACCESS CODES

Up to seven three (3) to six (6) digit secondary codes can be entered. These additional access codes will be designated for users two (2) to eight (8).

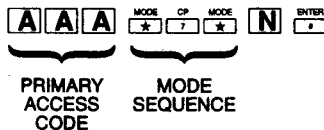
For example, you wish to assign the access code for user 3, enter the following key sequence:



User number 3 is now assigned access code 585.

## DELETING SECONDARY ACCESS CODE

Secondary access codes may be deleted by entering the following key sequence:



N = USER NUMBER (2-8)

This sequence must be repeated for each user code.

## EVACUATION PLAN

The National Fire Protection Agency recommends the following guidelines to be prepared for an actual fire.

- 1) Draw a floor plan of the building marking all doors and windows.
- 2) Evaluate all possible escape routes from building, trying each route.
- 3) Select 2 escape routes from each room.
- 4) Second floor rooms should have a rope ladder that reaches the ground.
- 5) Draw a sketch of the escape route and familiarize everyone with it.
- 6) Select a meeting place outside where everyone is to report.
- 7) Practice the escape plan with everyone in household.
- 8) Advise the local fire department that a fire alarm system is installed.

**FOR MORE INFORMATION WRITE NFPA, 1 BATTERY MARCH PARK, QUINCY, MA 02269**

**CALIFORNIA STATE FIRE MARSHAL, 7171 BOWLING DRIVE, SUITE 600, SACRAMENTO, CA 95823.**

**APPROVAL OF FIRE AUTHORITY DOES NOT INCLUDE BURGLAR INSTALLATION OR EQUIPMENT.**

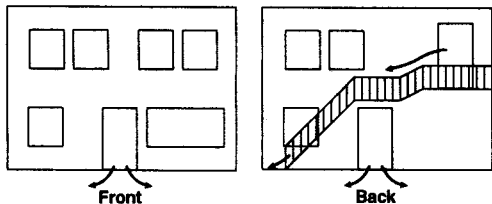


FIGURE 2

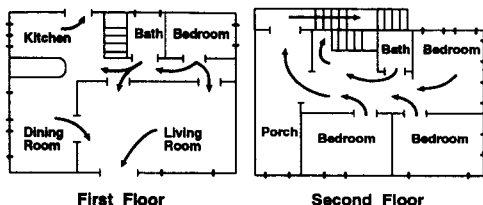


FIGURE 3

