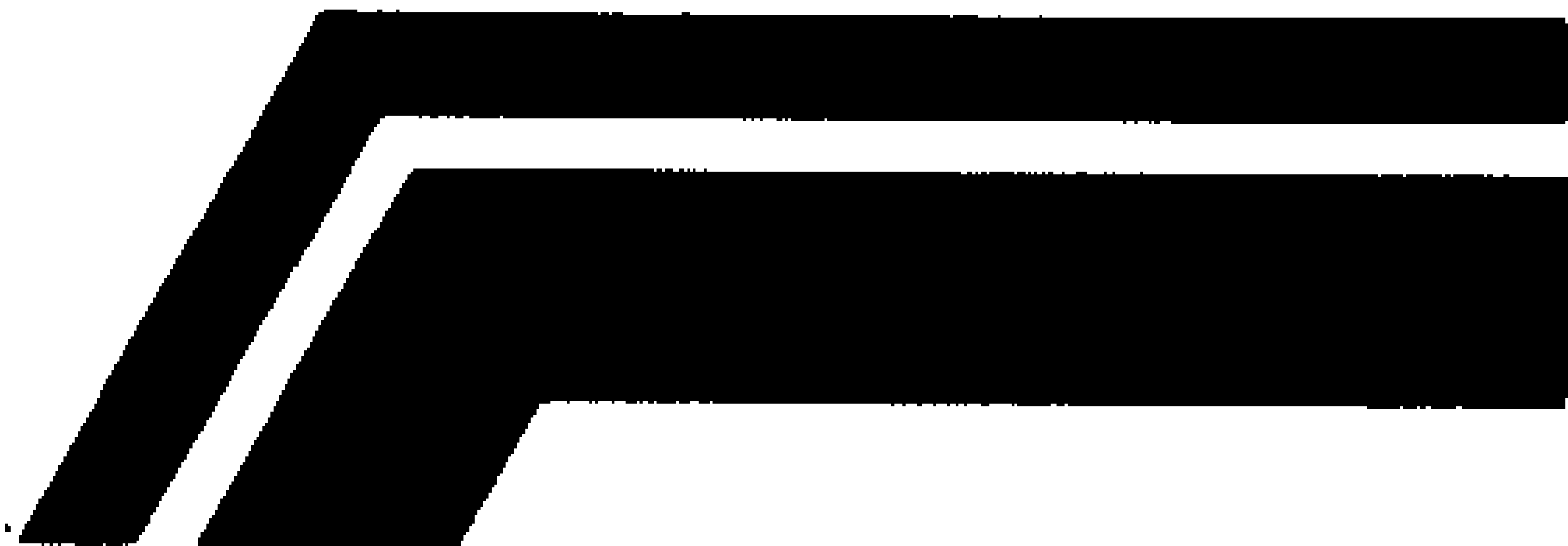




# USER'S MANUAL



## DIGI-KEY-III



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### 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.

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### GENERAL DESCRIPTION

The Digi-Key III 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 DK-III is a miniature sounding device which, when active, indicates various conditions such as a Pre-Alarm Warning, Forced Arming, Fault Condition, Test Modes of operation, or Door Announcement.

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.

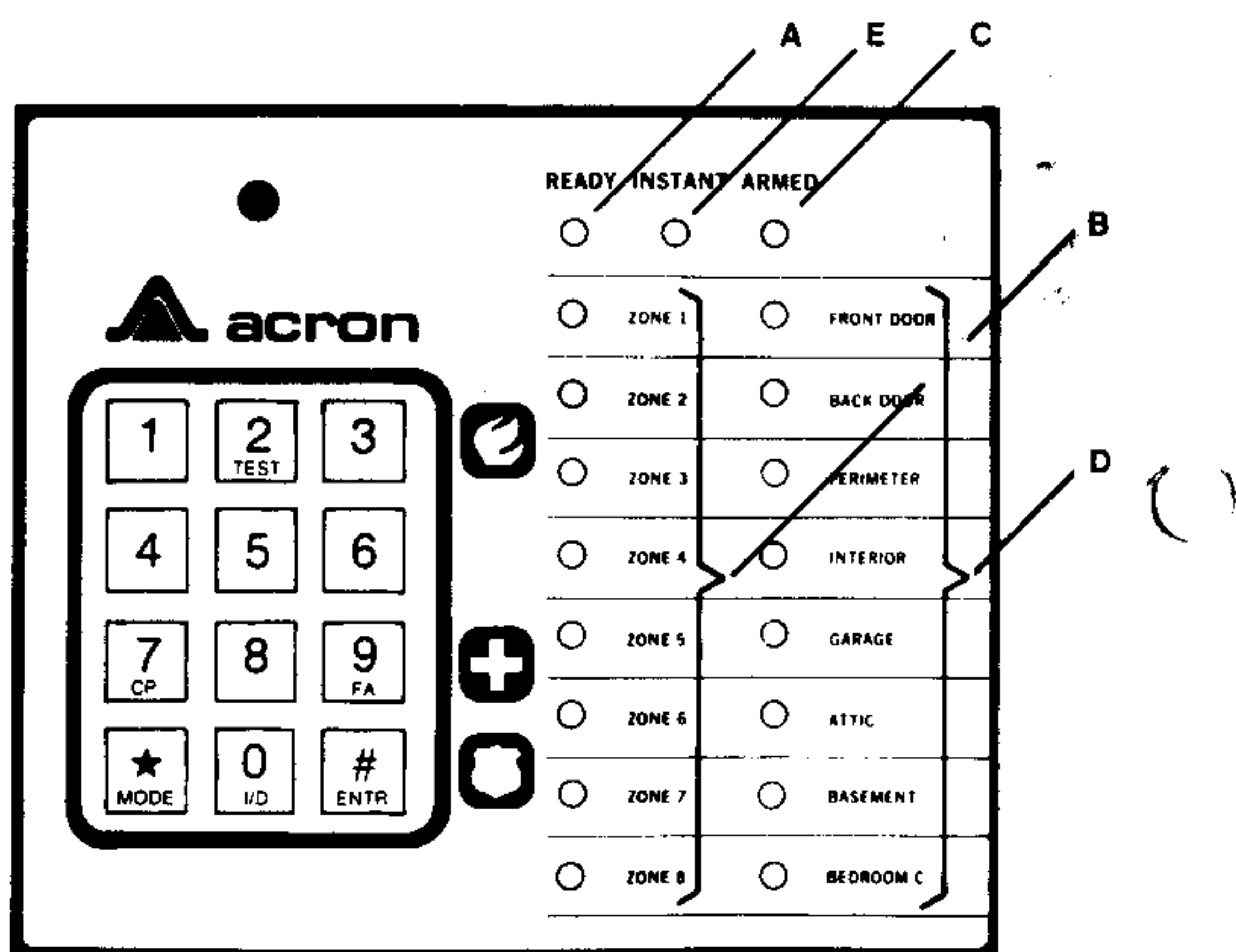


FIGURE 1

A —Green "READY Light" — when on indicates that all protected areas are secure and system is ready to be armed. For AV-6000/8000 a blinking ready light indicates a Fault Condition.

B —Red "Zone Lights" — when on indicate that a particular protected area is not secure.

- 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 FOR AV-6000/8000 FOR ALL OTHER SYSTEMS "FA" STANDS FOR FORCED ARMING. THE I/D ON KEY "0" STANDS FOR INSTANT/DELAY.

NOTE: 24 HOUR ZONES DO NOT INDICATE 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:

1 4 3 #  
ACCESS CODE

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:

1 4 3 #  
ACCESS CODE

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

#### ARMING SYSTEM WITH READY LIGHT 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. There are two ways to accomplish this. One is by using the Bypass method, and the other is by using the Forced Arming method. (Not for AV-6000/8000).

#### FORCED ARMING WHEN READY LIGHT IS OFF (NOT FOR AV-6000/8000)

In this mode, all zones will be armed except zone 3 as in the above example. When armed, the READY light will blink, and the audible warning device will sound for a short time and then shut off. The READY light will blink until the system is disarmed. If the window is closed while the READY light is blinking and then reopened, an alarm condition will occur.

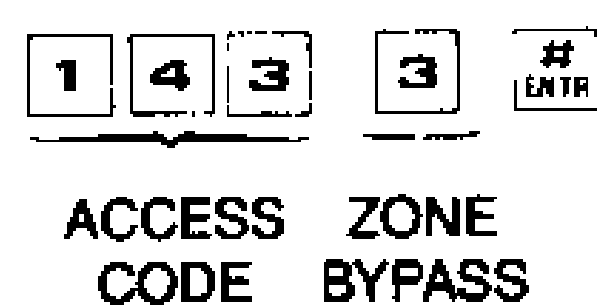
Forced Arming is accomplished in the following manner: Enter your Access Code and mode sequence as follows:

1 4 3 \* 9 #  
ACCESS MODE  
CODE SEQUENCE

The system will now force arm. The DK-III will remain in the Forced Arming Mode until the system is disarmed. The ready light will blink to remind you that the system is force armed and the audible warning will sound for a short period of time. All armed lights will light.

**ZONE BYPASS READY LIGHT ON OR OFF**

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:



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.

**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.

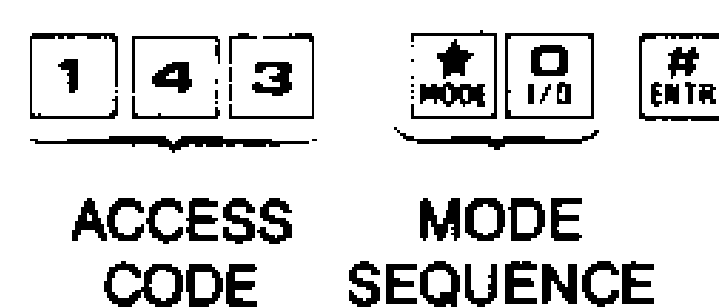
**MODES**

**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:



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

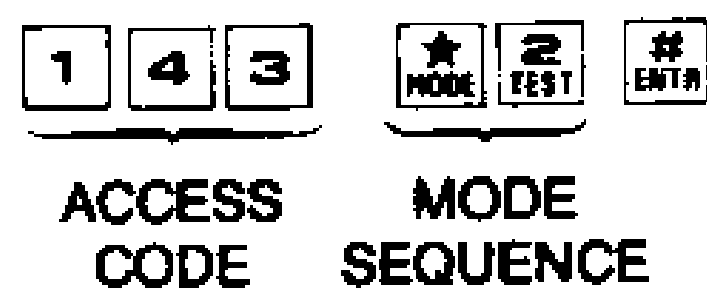
Example: The INSTANT light is on indicating the Instant Mode. If the Delay Mode is desired, use the same sequence as above.

The mode will now change from Instant Mode to the Delay Mode (The INSTANT light is off).

**TEST MODE**

You can test the Avenger system at time by entering the "TEST" mode. In the "TEST" mode, you may test your doors, windows, motion detectors, etc., without sending an alarm to the monitoring company. The audible alarm will sound briefly to indicate proper operation.

Accessing the Test Mode is accomplished by the following key sequence:



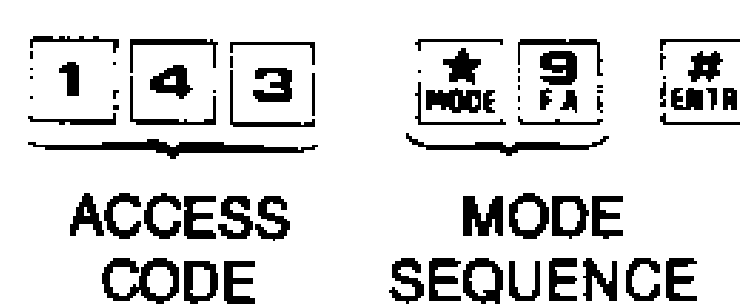
The audible warning will sound until the Test Mode is turned off by disarming the system.

**FAULT ANALYSIS MODE (AV-6000/8000 ONLY)**

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:



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 (AV-4000 & AV-8000 only)
- 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-4000 — Smoke Detector(s) may be reset by simultaneously pressing the 1 and 3 keys on the DK-III keypad
- AV-8000 — Arming, Disarming or entering the Fault Analysis mode after a fire alarm has occurred will automatically reset the smoke detector(s).
- All other systems — Your installer has provided a switch to provide the smoke detector(s) reset function.

**PRESS (AMBUSH)**

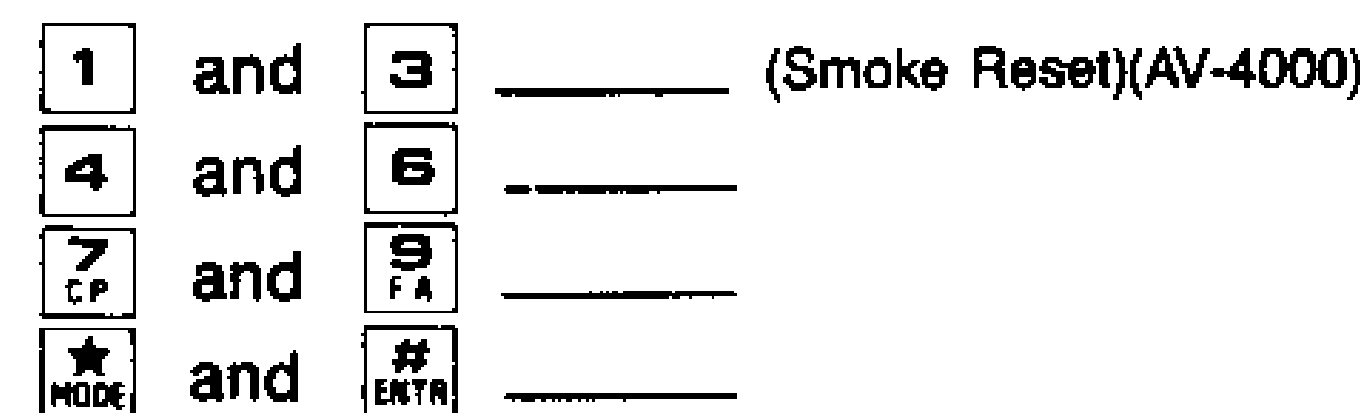
Duress is used during a hold-up when you're ordered to disarm your system. When used, a silent alarm is transmitted to the central monitoring station. Press the 0 key after your Access Code, then press the # (ENTER) key. The system will disarm and a silent alarm will be transmitted.

**OTHER SPECIAL MODES**

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) key first and then pressing the \* (MODE) key while the # (ENTER) key is still held down

will NOT send an emergency signal. The special key pair combinations are:

**FUNCTIONS**

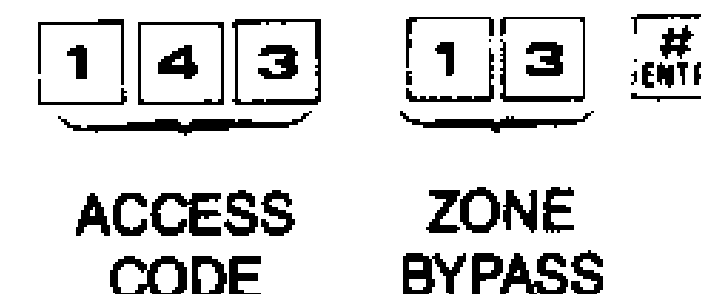


Consult your installer/dealer as to which one(s) of these are used, if any, and which combination initiates which alarm. The special symbols alongside of specific rows are to help you identify which keys to press in case of an emergency situation.

**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 # (ENTER) 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:



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 # (ENTER) key is depressed.

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

**OPENING AND CLOSING BY USER (AV-4000/ 6000/ 8000 ONLY)**

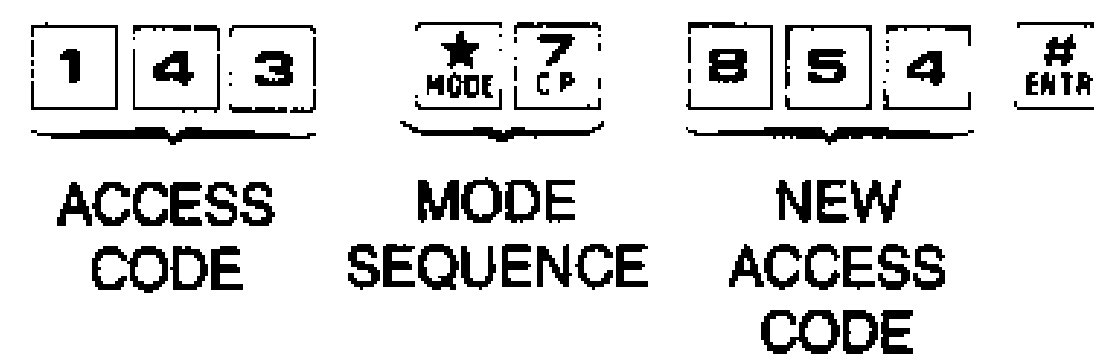
The Opening and Closing by user code identifies the user who disarms (opening) and arms (closing) the system. This is accomplished by assigning an individual access code to each (up to 8) users. The primary access code is always reported as user one. Seven additional secondary access codes may be selected.

Select secondary codes as shown in "Entering or Changing Secondary Access Code" section. See Station Code Reporting if used.

### CHANGING ACCESS CODE(S) FROM THE KEYPAD

#### CHANGING PRIMARY ACCESS CODE

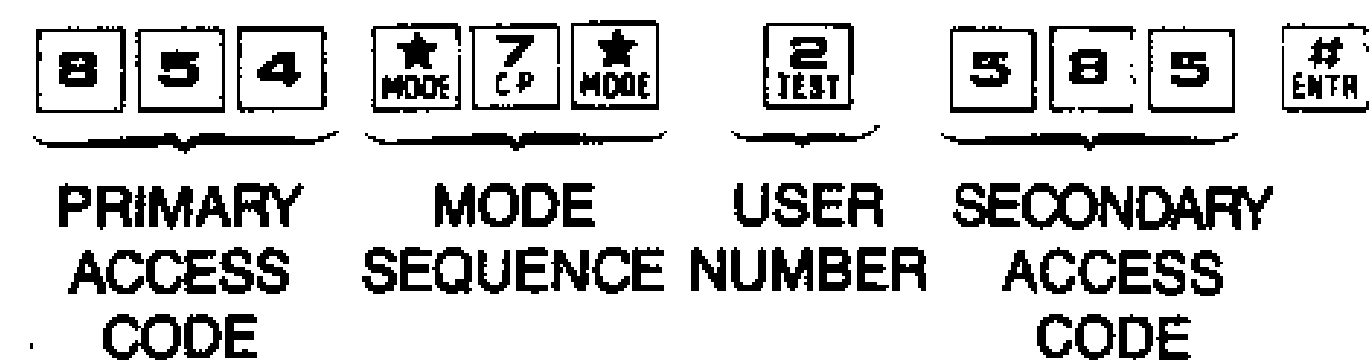
Changing the access code from individual keypads can be done if the old access code is known. In the following example the old code was 143 and the new code is to be 854. To change Primary Access Code use following key sequence:



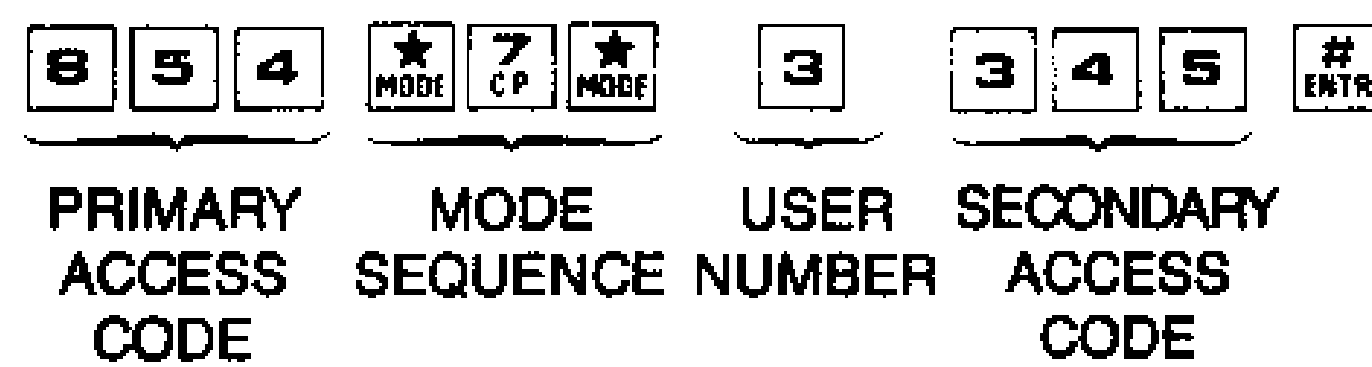
The new code is now programmed into your system. This code change effects individual keypads only. Other keypads may be programmed with the same or different code.

#### ENTERING OR CHANGING SECONDARY ACCESS CODES

Enter primary code, MODE, CP, MODE N, new secondary code, ENTER. N=User number 2-8. Up to seven 3-to-6 digit secondary codes can be entered. For example, if the primary code is 854 and the desired secondary code for user 2 is 585, enter the following key sequence:



User number 2 is now assigned access code 585. To assign user number 3 a secondary code of 345, enter the following key sequence:



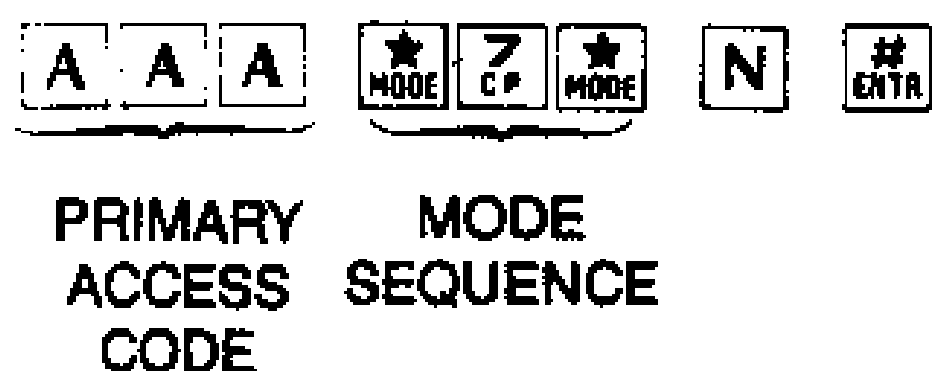
User 3 is now assigned access code 345.

#### STATION CODE REPORTING (AV-6000/8000 ONLY)

Station Code Reporting is used when opening/closing reports by more than 8 users are required. The Station Code is identified by the first digit of Access Code. All users assigned to a specific DK-III should have the same first access code digit.

#### 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.

**NOTE:** One of the codes can not be exactly equal to the leading digits of the other. For example if the primary code is 123, the secondary code may not be 12345. This sequence would bypass 4 and 5.

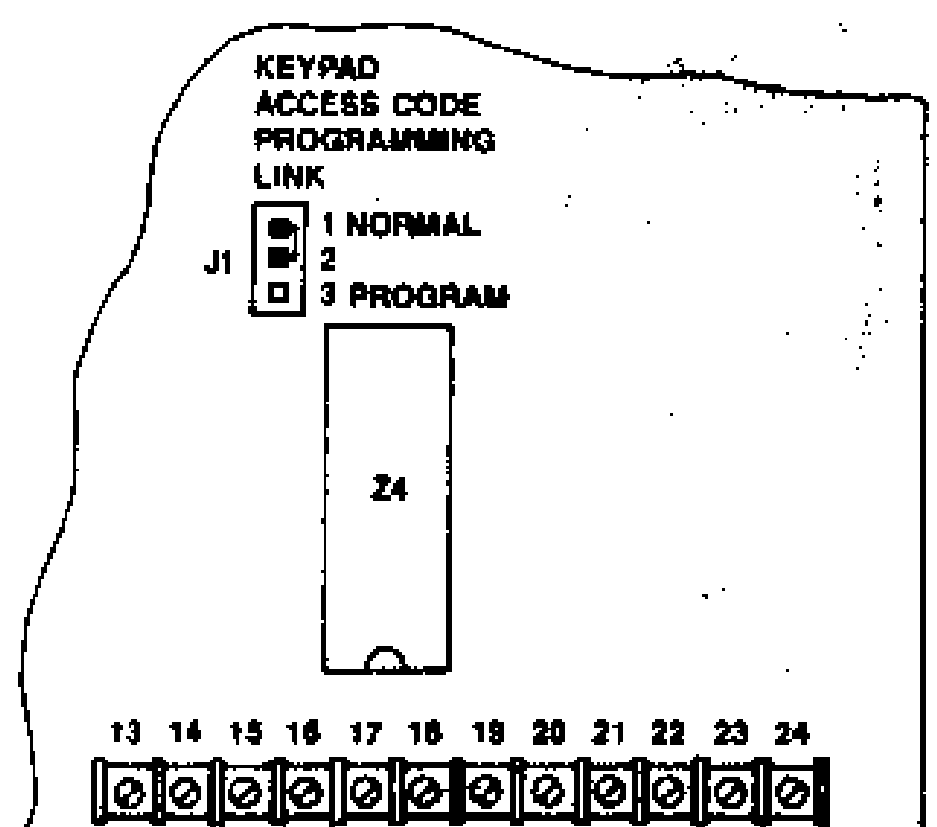


FIGURE 2

#### PROGRAMMING NEW PRIMARY ACCESS CODE WHEN OLD PRIMARY CODE IS NOT KNOWN FOR AV-6000/8000

If the primary access code is not known, the following steps should be followed at each Digi-Key location. You may select any access code you desire from THREE to SIX digits in length made up of any combination of the number 0 through 9. Your access code

may vary from one Digi-Key location to another or remain the same throughout. **Programming the code at one Digi-Key will not effect others.**

Program the new primary access code as follows:

1) Enter the following key sequence:



2) Move Link J-12 from "NORMAL" to "ACCESS CODE PROGRAM" position for 5 seconds then return to "NORMAL" position. See Figure 4.

3) Enter new primary access code. Example: The primary access code is to be 584. Enter the following key sequence:



The 584 access code is now entered.

4) Enter 

#	ENTR	MODE	7	MODE	8	5	4	#	ENTR
---	------	------	---	------	---	---	---	---	------

 If a wrong digit is accidentally programmed, repeat steps 1, 2, 3, and 4.

#### PROGRAMMING NEW PRIMARY ACCESS CODE WHEN OLD PRIMARY CODE IS NOT KNOWN (EXCEPT AV-6000/8000)

Access code programming for all system keys is initiated by moving Link J1\* from normal to programmed position for 5 seconds then return to normal position (see Figure 2). Access Codes must now be programmed at each Digi-Key location. You may select any Access Code you desire from THREE to SIX digits in length made up of any combination of the numbers 0 through 9. Your Access Codes may vary from one Digi-Key location to another or remain the same throughout, however, you must program each location individually.

Example: The Access Code is to be 8851 at one Digi-Key station (A), and 843 at another Digi-Key station (B). Step 1: Move Link J1\* from normal to program for 5 seconds then return to normal (see Figure 2)\*. Step 2: At Digi-Key station A, use following key sequence:



The 8851 Access Code is now entered for Digi-Key station A. Step 3: Go to Digi-Key station B, use following key sequence:



The 843 Access Code is now programmed at station B.

If a wrong digit is accidentally programmed, repeat steps 1, 2 and 3.

If code change is not successful, enter 

#	ENTR	MODE	7	MODE	8	5	4	#	ENTR
---	------	------	---	------	---	---	---	---	------

 and repeat steps 1, 2, and 3.

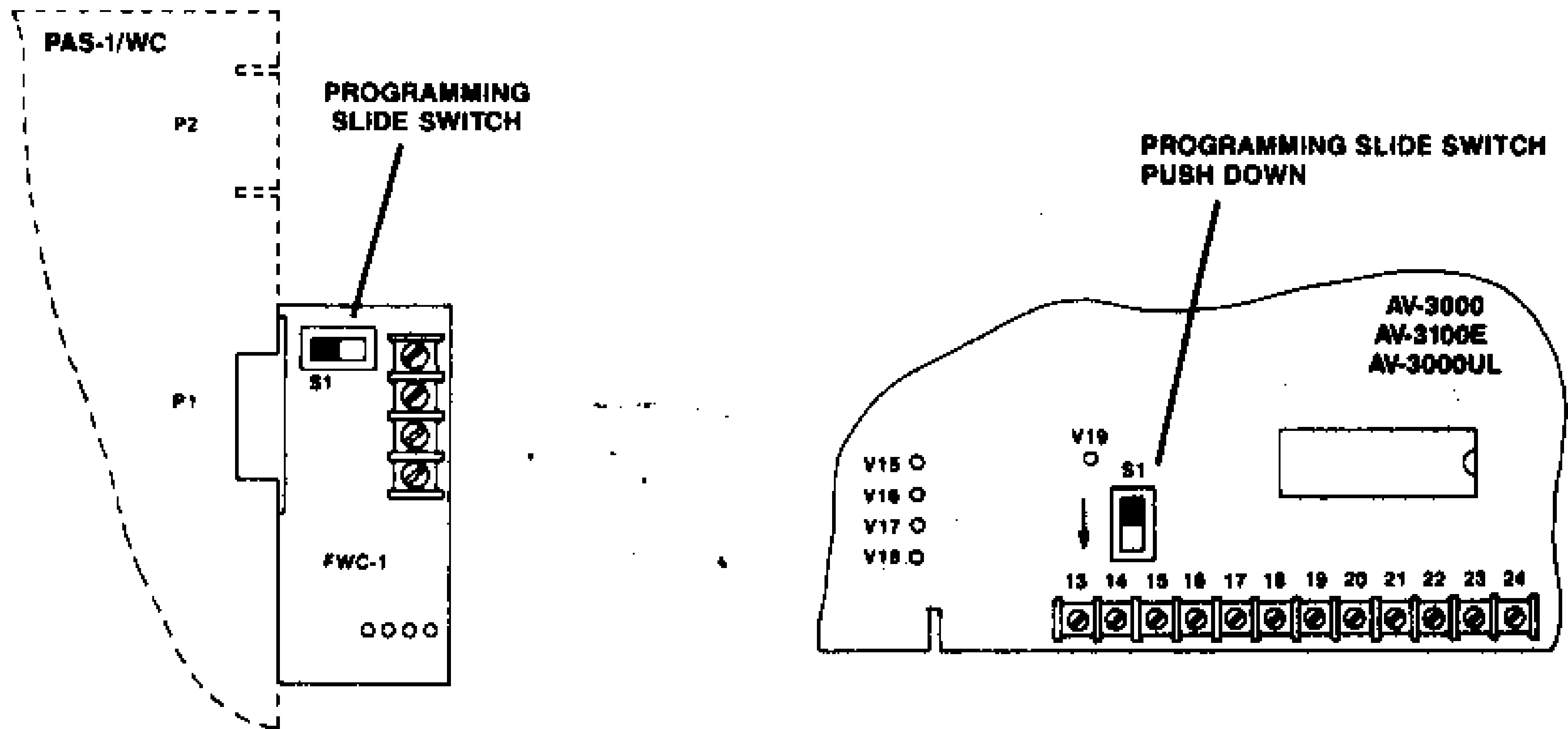
If more Digi-Key stations are installed, the same procedure is to be used. If you desire to change a number at a later time, repeat the same procedure. Remember — **once the J1\* program link is moved at the panel, all key stations must have their Access Codes programmed.**

The J1\* Link can not be used to reprogram the secondary access codes. They must be programmed from the keypad.

**NOTE:** Access Code errors in the arming or disarming modes can be corrected by re-entering the correct Access Code.

\*J1 and Figure 2 apply to Model AV-4000 only. If your system is not an AV-4000 Model, use S1 instead of Link J1 as shown in Figure 3. Use Figure 4 for AV-6000 or AV-8000.

**FIGURE 3**



**FIGURE 4**

