USER'S MANUAL

AV-4000
DIGI-KEY-IIE

acron
corporation

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.

GENERAL DESCRIPTION

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

Your Digi-Key has the added convenience of an additional access code. This secondary code is designed to provide access to a maid or other service person for whom you want to grant temporary entry. Obviously, it can also be used in any other way that you desire.

Arming, disarming, bypassing zones, etc., can be accomplished using either of the two codes. In order to change either code from the keypad, however, use of the primary access code is required. Access codes can be changed from keypad.
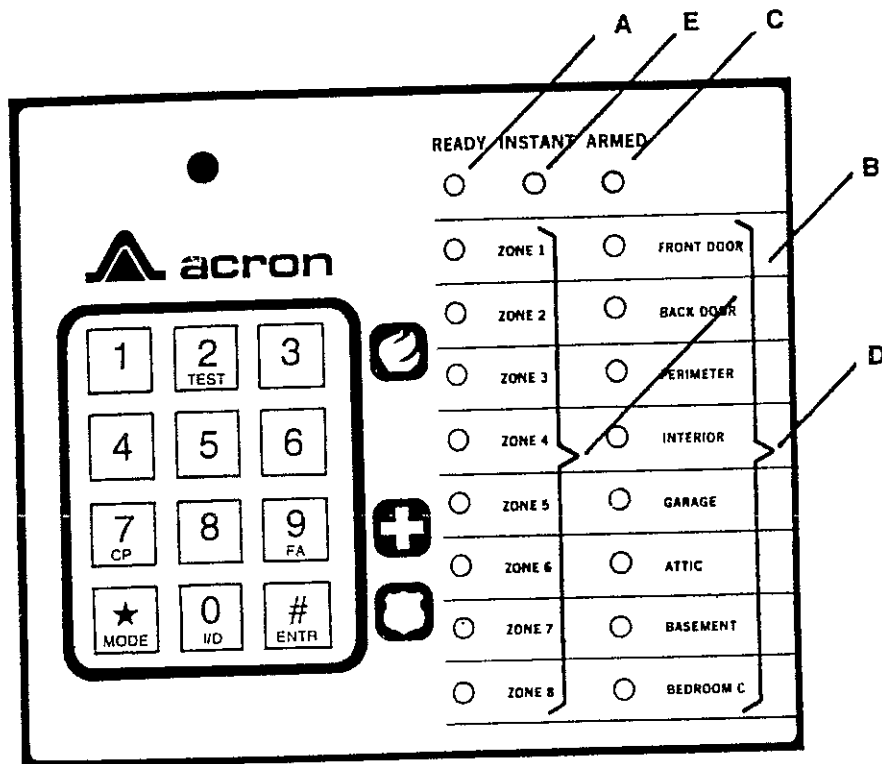

FIGURE 1

A — Green "READY Light" — when on indicates that all protected areas are secure and system is ready to be armed.

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

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.

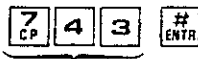E — Amber "INSTANT Light" — when on indicates that delay zones are in Instant Mode.

NOTE 1: *THE CP ON KEY "7" STANDS FOR CHANGE PROGRAM, THE FA ON KEY "9" STANDS FOR FORCED ARMING AND THE I/D ON KEY "0" STANDS FOR INSTANT/DELAY.*

ARMING/DISARMING MODE CHANGING AND ZONE BYPASS IN CONVENTIONAL MODE

DISARMING SYSTEM

To Disarm your system (assume Access Code 743), enter your Access Code, key sequence as follows:
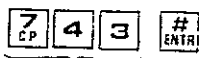
| 7 CP | 4 | 3 | # ENTR |

ACCESS
CODE

Your system is now disarmed.

ARMING SYSTEM

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:

| 7 CP | 4 | 3 | # ENTR |

ACCESS
CODE

Your system is now armed.

ARMING SYSTEM WITH READY LIGHT OFF

If one of the left hand zone lights are 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.

FORCED ARMING WHEN READY LIGHT IS OFF

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:

| 7 CP | 4 | 3 | ★ MODE | 9 FA | # ENTR |

ACCESS   MODE
CODE   SEQUENCE

The system will now force arm. The DK-IIE will remain in the Forced Arming Mode until the system is disarmed.

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:

| 7 CP | 4 | 3 | 3 | # ENTR |

ACCESS   ZONE
CODE   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.

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

This mode works the same as the Forced Arming Mode except the 0 key (Instant/Delay) must be pressed after the ★ (MODE) key and before the # (ENTER) key. Enter key sequence as follows:

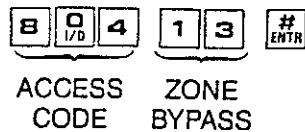| 7 CP | 4 | 3 | ★ MODE | 0 I/D | # ENTR |

ACCESS   MODE
CODE   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

☐ MULTI-USER MODE

Your installer/dealer has assigned specific zones for your area. 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 [#/ENTR] (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 804, and you wish to disarm zones 1 and 3. Use key sequence as follows:
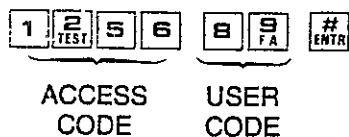
[8] [0/I/0] [4] [1] [3] [#/ENTR]

    ACCESS   ZONE
    CODE   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 [#/ENTR] (ENTER) key is depressed.

In case of an alarm condition, the general arming lamp will be flashing regardless of which user causes the alarm. Entering your Access Code will shut the alarm off.

☐ OPENING AND CLOSING BY USER

The Opening and Closing by user code consists of the programmed Access Code and a two-digit users code. The Access Code (either primary or secondary Code) must be entered before the two digit users code. The two digit users code may be any 1st digit 1-8 followed by a consecutive ascending 2nd digit. Example:

[1] [2/TEST] [5] [6] [8] [9/F A] [#/ENTR]

    ACCESS   USER
    CODE   CODE

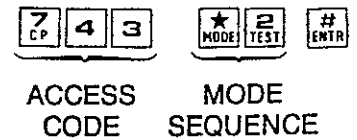The first users code digit is the one transmitted to the central station.

EXAMPLE OF ASSIGNING USER CODES

Four users are to have access to the premises. Program a primary access code (example 1845) and a secondary maid's code (example 9872). Give two users the 9872 Access Code and two users the 1845 Access Code. Assign user 1 the code 9872 12, User 2 the code 9872 23, User 3, 1845 34 and User 4, 1845 45. Other combinations may be used.

☐ TEST MODE

You can test the Avenger system at any by entering the "TEST" mode. In the "TE 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:

[7/CP] [4] [3]   [*/MODE] [2/TEST] [#/ENTR]

    ACCESS   MODE
    CODE   SEQUENCE

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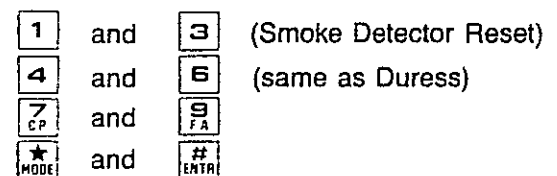
SPECIAL MODES

☐ 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 ᴠ system is configured for any of these optiᴄ

☐ 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 [0/I/0] key after your Access Code, then press the [#/ENTR] (ENTER) key. 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 [#/ENTR] key first and then pressing the [*/MODE] key while the [#/ENTR] key is still held down will NOT send an emergency signal. The special key pair combinations are:

[1] and [3] (Smoke Detector Reset)
[4] and [6] (same as Duress)
[7/CP] and [9/F A]
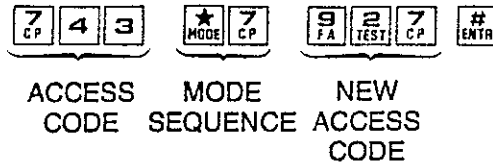[*/MODE] and [#/ENTR]

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

CHANGING ACCESS CODE(S)
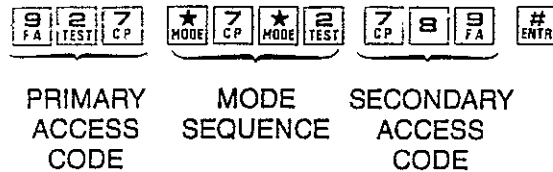# FROM THE KEYPAD

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 743 and the new code is to be 927. To change Primary Access Code use following key sequence:

7 CP	4	3		★ MODE	7 CP		9 FA	2 TEST	7 CP	# ENTR

<div align="center">

ACCESS   MODE   NEW
CODE   SEQUENCE   ACCESS
CODE

</div>

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
SECOND ARM ACCESS CODE

Enter primary code, MODE, CP, MODE, 2, new secondary code, ENTER. For example if the primary code is 927 and the desired new secondary code is 789, enter the following sequence:

9 FA	2 TEST	7 CP		★ MODE	7 CP	★ MODE	2 TEST		7 CP	8	9 FA		# ENTR

<div align="center">

PRIMARY   MODE   SECONDARY
ACCESS   SEQUENCE   ACCESS
CODE   CODE

</div>

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.*
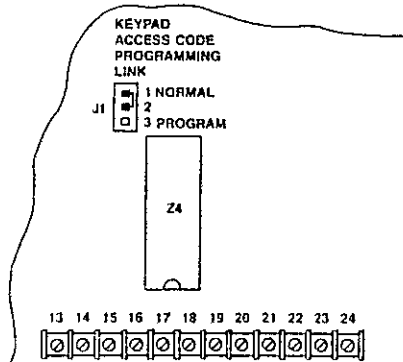

FIGURE 2

PROGRAMMING NEW ACCESS CODE WHEN OLD ACCESS CODE IS NOT KNOWN

Access code programming for all system Digi-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 EIGHT 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 743 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:

8	8	5	1		# ENTR

<div align="center">NEW ACCESS CODE</div>

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

7 CP	4	3		# ENTR

<div align="center">NEW ACCESS CODE</div>

The 743 Access Code is now progrmmed at station B.

If a wrong digit is accidentally programmed, 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 program link is moved to the panel, all key stations must have their Access Codes programmed.

The J1 Link can not be used to reprogram the secondary access code, it 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.*