INSTALLATION INSTRUCTIONS

AV-8000
AV-6000
DIGI-KEY-IV

ALSO USED FOR

AV-4000	AV-3000-UL
AV-3000	PAS-1/WC
AV-3100E	CP-1000

ACRON

CORPORATION

GENERAL DESCRIPTION DK-IV

The Digi-Key IV is an E.E. Prom Digital Arming Station that provides full system control and displays full system status from one or more convenient locations. *Read and become familiar with the information contained in the DK-IV User's Manual before proceeding with the installation instructions.*

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INSTALLATION INSTRUCTIONS
CONNECTING THE DK-IV TO THE AVENGER
CAUTION: Connections must be made with all power removed.

Connect the DK-IV to the Avenger as outlined below.

DK-IV	AV-8000	AV-6000	AV-4000	AV-3000 AV-3000-UL AV-3100E
RED LEAD	TERM 10	TERM 8	TERM 8	TERM 9
BLACK LEAD	TERM 8	TERM 4	TERM 9	TERM 12
BLUE LEAD	TERM 12	TERM 10	TERM 10	TERM 11
YELLOW LEAD	TERM 11	TERM 9	TERM 11	TERM 10

NOTE: Refer to panel installation instructions or inside panel cover for wiring diagram.

Mount DK-IV. Keypad may be either surface mounted or mounted on a single or double gang PLASTIC gem box. DO NOT USE A METAL GEM BOX.

PROGRAMMING INSTRUCTIONS

FACTORY PROGRAMMED VALUES

ALL DK-IV's ARE INITIALLY FACTORY PROGRAMMED AS FOLLOWS:
A. Single Premise operation.
B. Primary Access Code of 123.
C. All Burg Zones enabled for bypassing.
D. Secondary Access Codes — Unprogrammed.
E. Zone LEDS — Enabled.
F. Product Code for use with AV-6000/8000.

PRODUCT CODE

Product Codes are used in the DK-IV to identify which Acron panel the keypad is used with.

1) For use with current model AV-6000/8000 panels use DK-IV as supplied from the factory with the default product codes.

2) For use with AV-6000/8000 panels with microprocessor marked with the number 3113 enter the following key sequence:

3) For use with all other panels program the following key sequence:

1

In the event that DK-IV's are transferred from one job to another or the product codes are unknown enter product code sequences as shown below:

ACRON CONTROL PANEL	PRODUCT CODES

Current AV-6000/8000
other than 3113
micro-processor 9091/9093

Older AV-6000/8000 with
3113 microprocessors ..9091/9092

All other panels 9090/9092

Enter both product codes as shown below:

#	*	9	0	9	P	#
ENTR	MODE	9	I/O	9		ENTR

#	*	9	0	9	P	#
ENTR	MODE	9	I/O	9		ENTR

P = PRODUCT CODE

CHANGING ARM/DISARM CODE

Preferred method is reprogramming from the keypad, consult DK-IV User's manual see page 5.

PROGRAMMING ACCESS CODES

Primary and Secondary Code programming and reprogramming are described in the User's Manual see page 5.

INSTALLER PROGRAMMING MODES ABBREVIATED ARMING-SELECTING/DESELECTING

Abbreviated arming allows the customer to arm the system by using only 1 to 3 digits of the Access code. Assume user 2 wished to have single digit abbreviated arming. Use the following key sequence:

A	A	A	*	1	*	2	1	#
PRIMARY ACCESS CODE			MODE SEQUENCE			(N)	(D)	

To deselect abbreviated arming use the following key sequence:

A	A	A	*	1	*	N	#
PRIMARY ACCESS CODE			MODE SEQUENCE				

NOTE: A = Primary Access Code
N = User Number
D = The number of digits (1-3) to which the access code will be abbreviated.

EMERGENCY CODES (AV-6000 / AV-8000)

There are five emergency conditions that can be initiated from the DK-IV keypad. Four are initiated by simultaneously pressing key pairs, plus Duress. These five 24 Hour reporting zones are available in addition to the E.O.L. supervised panel initiated zones. Refer to AV-6000 or AV-8000 installation Instruction "Memory Locations 99 through 103" for details.

EMERGENCY CODES (AV-4000)

There are four emergency conditions that can be initiated from the DK-IV keypad. These are initiated by simultaneously pressing key pairs, plus duress which selectively cause an alarm on the AV-4000 panel as follows:

DEPRESSING			INITIATES ZONE
1	and	3	5 (Smoke Reset)
4	and	6	8 (same as Duress)
7	and	9	2
*	and	#	1

The above triggered zones should be 24-Hour Zones that have been programmed for FIRE, AUDIBLE PANIC OR SILENT PANIC. Memory location 80 on the AV-4000 programming worksheet must be programmed to enable reporting these zones.

MANUAL SMOKE RESET
(AV-8000 ONLY)

The smoke output terminal may be manually reset by pressing key pairs 1-3 simultaneously.

Memory location 53 on the AV-8000 Programming Worksheet must be programmed with a "2" to enable this feature.

KEYPAD AUDIBLE FEEDBACK
SELECTING/DESELECTING

The miniature sounding device within the DK-IV will "beep" whenever a key is pressed. This assures the user that the microcomputer inside the Digi-Key has sensed the key stroke. For security reasons, the four special emergency codes initiated by two key combinations are silent.

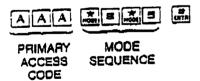If desired, the audible feedback feature can be deselected by entering the following key sequence:

A	A	A	★MODE	8	★MODE	4	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE

Deselecting this feature will not effect normal operation of the sounder during the pre-alert or at any other time it would normally turn on.

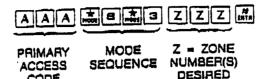Audible feedback can be selected by repeating key sequence.

The sounder can be completely disabled by entering the following key sequence:

A	A	A	★MODE	8	★MODE	5	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE
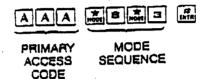
ANNUNCIATOR/CHIME FEATURE
SELECTING/DESELECTING

Any audible burglary zone can be programmed to activate the mini sounder briefly to annunciate that a door (typically) has opened or closed during the disarmed period. Used in the single premise mode this feature can be programmed by zone at each individual Digi-Key desired. To select enter the following key sequence:
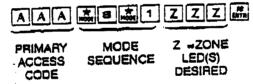
A	A	A	★MODE	8	★MODE	3	Z	Z	Z	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE   Z = ZONE NUMBER(S) DESIRED

To deselect enter the following key sequence:

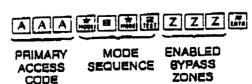| A	A	A	★MODE	8	★MODE	3	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE

INDIVIDUAL ARMED LEDS
ENABLING

DK-IV's are shipped from the factory with all individual armed LEDs enabled. Selecting specific LEDs that you wish to enable is accomplished by entering the following key sequence:

A	A	A	★MODE	8	★MODE	1	Z	Z	Z	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE   Z = ZONE LED(S) DESIRED

ENABLING BYPASS ZONES
MODE SEQUENCE

The DK-IV has been designed to allow the user to bypass selected burglary zones. The installer may wish to restrict the user from bypassing certain zones especially in the Multi-Premise mode. This can be accomplished by programming allowable bypass zones as follows.

A	A	A	★MODE	8	★MODE	#TEST	Z	Z	Z	#ENTR

PRIMARY ACCESS CODE   MODE SEQUENCE   ENABLED BYPASS ZONES

(AAA is the Access Code), (Z=Bypass Zone).

EXAMPLE: Assume we wish to allow the user to bypass zone 2, 3, and 5. Use following key sequence:

| A | A | A | ★MODE | 8 | ★MODE | 2 TEST | 2 TEST | 3 | 5 | # ENTR |

PRIMARY   MODE   ENABLED
ACCESS   SEQUENCE   BYPASS
CODE   ZONES

The user will now only be able to bypass zones 2, 3, 5.

> *NOTE: 24 hour fire zones can not be bypassed.*

> *NOTE: If more than one DK-IV is used, each unit must be programmed individually. Each DK-IV may be programmed to enable bypassing of different burglary zones.*

SELECTING/DESELECTING MULTI-PREMISE OPERATION MODE SEQUENCE

The DK-IV leaves the factory with the Multi-Premise mode not selected. To select, use the following key sequence:

| A | A | A | ★MODE | 8 | ★MODE | 7 C.P. | # ENTR |

PRIMARY   MODE
ACCESS   SEQUENCE
CODE

To deselect repeat key sequence.

Multi-Premise operation allows two or more users to share the same control panel, however each user will only be able to utilize and control selected zones on individual DK-IV arming stations.

In the conventional mode, zone bypassing and mode changing can be accomplished (see User's Manual). In multi-premise operation only zone bypassing can be accomplished. Modes are fixed. Instant and Test can not be selected. Zone(s) selected for Delay can not be changed to Instant.

MULTI-PREMISE PROGRAMMING EXAMPLE: User (A) is assigned zones 1-4 and user (B) is assigned zones 5-8 in their respective protected areas. Select Multi-Premise Mode and Access Code for both keypads.

Enable bypass zones 1-4 on keypad A. Enable bypass zones 5-8 on keypad B. System is now ready for Multi-Premise Operation.
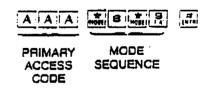
OPERATION OF MULTI-PREMISE MODE

Both users can arm their respective zones as in the Conventional Mode, but both users must use the bypass method to remove any or all zones from their protected (armed) status.

It should be noted that the Entrance/Exit Delays are re-established making areas protected by Entrance/Exit Delays vulnerable to access from other users. However, this risk can be eliminated in high security situations by using Instant zones in these areas. In the Multi-Premise mode the ready and arm LEDs do not light.

☐ PROGRAMMING MODE AV-4000

Both the panel and the DK-IV keypad must be placed in the "program" mode in order to program the AV-4000. Mode Link J2 on the AV-4000 should be in the "program" position. Setting the DK-IV in the programming mode is accomplished by the following key sequence:
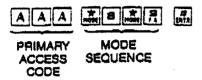
| A | A | A | ★MODE | 8 | ★MODE | 9 1/4 | # ENTR |

PRIMARY   MODE
ACCESS   SEQUENCE
CODE

When programming is complete return the DK-IV to the "Panel" mode by simultaneously depressing the ★MODE and # ENTR keys and return Mode Link J2 on the AV-4000 to the "Panel" position.
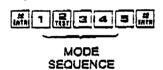
□ PROGRAMMING MODE AV-6000, AV-8000

Both the panel and the DK-IV must be placed in the "PROGRAM" mode in order to program the AV-6000 and AV-8000. This is accomplished by the following key sequence:

Put the DK-IV in the programming mode first by entering the following key sequence:

A	A	A	★	8	★	9	#
PRIMARY ACCESS CODE			MODE SEQUENCE				

Then put the AV-6000/AV-8000 into the programming mode from the DK-IV by entering the following keys sequence:

#	1	2	3	4	5	#
		MODE SEQUENCE				

When programming is complete return the AV-6000/8000 and the DK-IV to the "PANEL" mode as follows:

Press 4 and 6 simultaneously to return AV-6000/AV-8000 to "PANEL" mode.

Press ★ and # simultaneously to return DK-IV to "PANEL" mode.

NOTE: Failure to return both AV-6000/AV-8000 and DK-IV to the panel mode will result in improper operation. If this occurs reprogram DK-IV to the program mode and repeat above in proper sequence.

DIGI-KEY IV

Installation and operation of the Digi-Key IV as defined in the "Installation Instructions AV-8000, AV-6000" booklet applies when using the Digi-Key IV for other Acron panels.

EMERGENCY CODES

There are four emergency conditions that can be initiated from the DK-IV keypad. These are initiated by simultaneously pressing key pairs which selectively cause an alarm on the AV-3000, AV-3000-UL, AV-3100E and PAS-1/WC panels as follows:

DEPRESSING		INITIATES PIN #	
		AVENGER	PAS-1/WC
1 and 3		V17	V3
4 and 6		V18 & Duress	V4 & Duress
7 and 9		V15	V1
★ and #		V16	V2

The above triggered zones should be 24 Hour Zones that have been programmed for FIRE, AUDIBLE PANIC or SILENT PANIC.

NOTES

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