

**User (A) — Press 8, Press 0, Press 4, Press 1,
Press 2, Press 3, Press 4, Press # (ENTER)
Key. Zones 1 thru 4 will disarm.**

**User (B) — Press 7, Press 1, Press 7, Press 5,
Press 6, Press 7, Press 8, Press # (ENTER)
key. Zones 5 thru 8 will disarm.**

User (A) — DK-IIE Code 8, 0, 4, 1, 4, #
(ENTER). Zones 2 and 3 still armed.
User (B) — DK-IIE Code 7, 1, 7, 7, 8, #
(ENTER). Zones 5 and 6 still armed.

It should be noted that the Entrance/Exit Delays are re-established making areas pro-

ected by Entrance/Exit Delays vulnerable to access from other Multi-Users. However, this risk can be eliminated in high security situations by using Instant zones in these areas.

Enter Access Code, press ★ (MODE), press 8, press ★ (MODE), press 4, press # (ENTER). This DK-IE is now back in the Conventional Mode of operation.

Enter Access Code, press ★ (MODE), press 8, press ★ (MODE), press 3, press # (ENTER). Now no zones on the DK-II-E have the BYPASS capability.

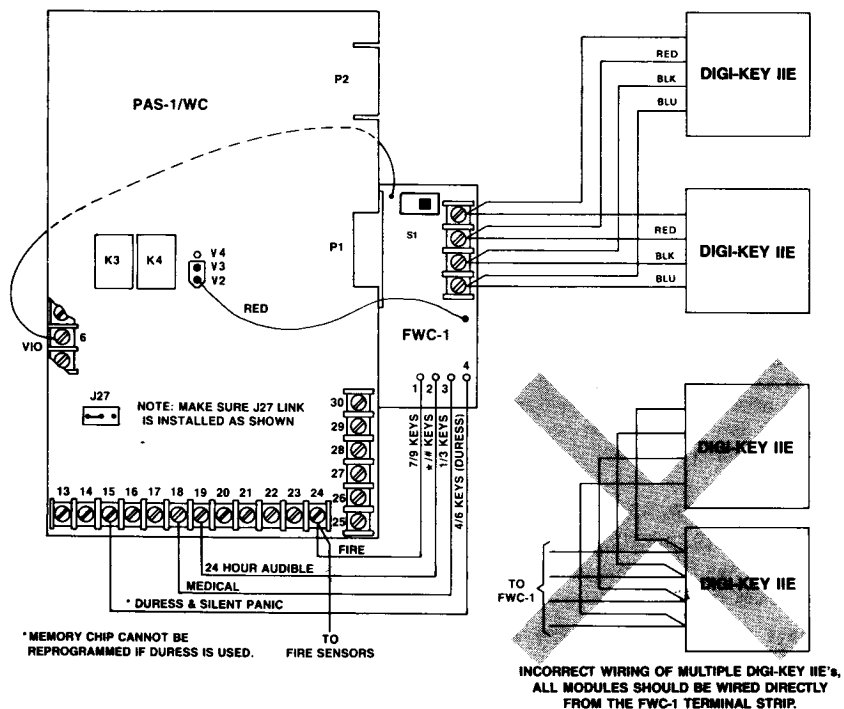


FIGURE 2

Voltage: 8-16 Vdc
Current consumption typically 80mA
Temperature operating range: 35 F to 135 F
Environment: For indoor use only
Dimensions: 5.5" x 4.75" x .937"
Shipping weight: 8 oz.

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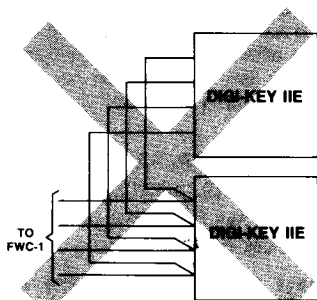
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INSTALLATION INSTRUCTIONS

DIGI-KEY II



**INCORRECT WIRING OF MULTIPLE DIGI-KEY IIE's,
ALL MODULES SHOULD BE WIRED DIRECTLY
FROM THE FWC-1 TERMINAL STRIP.**



GENERAL DESCRIPTION DK-II-E

The Digi-Key II-E 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-II-E Users Manual before proceeding with the installation instructions.

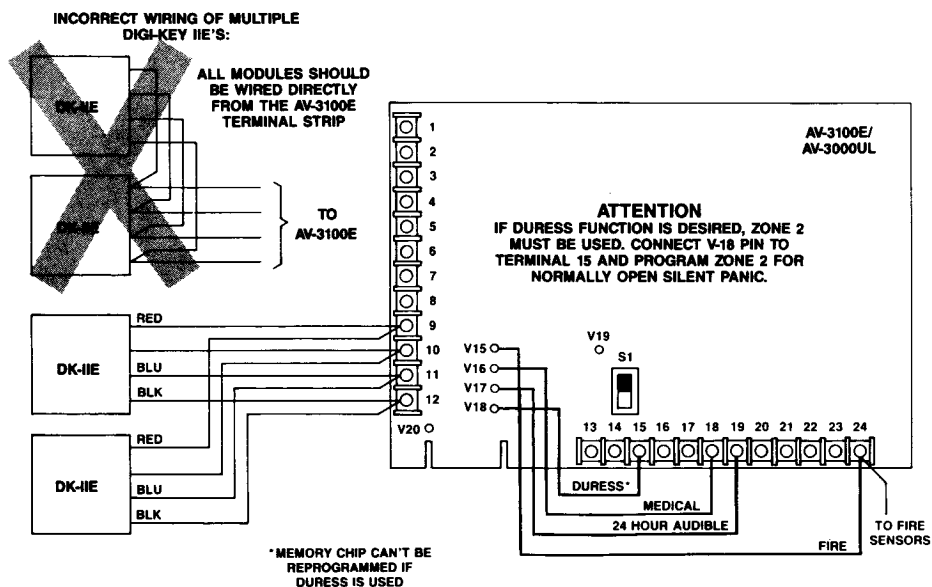
THE DK-II-E CAN ONLY BE USED WITH SYSTEMS USING THE 1986 MICROPROCESSOR.

INSTALLATION INSTRUCTIONS

CONNECTING THE DK-II-E TO THE AVENGER II AV-3100E/AV-3000UL CONNECTIONS FOR PAS-1/WC ARE SHOWN IN FIGURE 2.

CAUTION: Connections must be made with all power removed.

Connect the DK-II-E to the AV-3100E as in Figure 1. Red lead to terminal 9. Blue lead to terminal 11. Black lead to terminal 12. The remaining lead to terminal 10.



IN THIS EXAMPLE FOR KEYPAD EMERGENCY CODES, ZONE 2 IS SILENT PANIC, ZONES 4 & 5 ARE AUDIBLE PANIC AND ZONE 8 IS FIRE.

FIGURE 1

EMERGENCY CODES

There are four emergency conditions that can be initiated from the DK-II-E keypad. These are initiated by simultaneously pressing key pairs which selectively cause a triggering voltage to appear at the appropriate pin on the AV-3100E panel as follows:

DEPRESSING INITIATES	PIN #
1 and 3	V-17
4 and 6	V-18-Duress*
7 and 9	V-15
★ and #	V-16

These voltages are utilized to trigger normally open 24 Hour Zones which have been programmed for Fire, Audible Panic or Silent Panic.

* If the Duress Code is used (see User's Manual) a Duress condition will cause a momentary voltage to appear on the V-18 pin.

See Figure 1 example of connections for

keypad emergency codes. Use wires that are included with DK-II-E for this application.

INITIAL PROGRAMMING

ALL DK-II-E's ARE INITIALLY FACTORY PROGRAMMED AS FOLLOWS:

- Single user operation
- Arm/Disarm code of 123
- All Burg Zones enabled for by-passing

CHANGING ARM/DISARM CODE

- Preferred method is reprogramming from the keypad, consult DK-II-E user's manual.

IF ARM/DISARM CODE IS NOT KNOWN, PROGRAM AS FOLLOWS:

- Press down slide switch S-1 for five seconds.
- Enter desired code from THREE to EIGHT digits in length made up of any combination of the numbers 0 through 9.
- Press # (ENTER) key.
- Code should now be entered at this DK-II-E.

If unable to enter code, repeat steps 1, 2 and 3. Access codes must be individually entered at each DK-II-E.

See User's Manual for additional information on reprogramming from keypad after initial code is entered.

For customer programming convenience a momentary key switch may be wired in parallel with the programming slide switch S1. (Connect to V-19 and V-20.) The key switch may be mounted on front of panel.

SECONDARY ACCESS CODE

This DK-II-E has the added convenience of an additional access code. For instructions covering the use of this recent Acron improvement, see the insert included with the user's manual.

KEYPAD AUDIBLE FEEDBACK

The miniature sounding device within the DK-II-E will "beep" whenever a key is pressed. This assures the user that the microcomputer inside the digi-key has sensed the key stroke. If the key is hit too fast or not pressed all the way down there will be no response and the user will know that the key must be pushed again. For security reasons, the four special emergency codes invoked by two key combinations are silent.

If desired, the audible feedback feature can be disabled by cutting the trace on the back of the DK-II-E printed circuit board where it is marked "cut to disable AUDIBLE FEEDBACK." Making this change will not affect normal operation of the sounder during the pre-alert or at any other time when it would normally turn on.

If desired, the sounder can be completely disabled by cutting the trace marked "cut to disable sounder."

CONVENTIONAL OPERATION

ZONE 1-8 BYPASS CAPABILITY

The DK-II-E has been designed to allow the user to bypass selected burglary zones.

PROGRAM THE ZONES WHICH MAY BE BYPASSED AS FOLLOWS:

- Enter Access Code
- Press ★ (MODE) key
- Press "8" key
- Press ★ (MODE) key
- Press "3" key
- Enter zones you wish to enable bypassing
- Press # (ENTER) key

EXAMPLE: Assume we wish to allow the user to bypass zone 2, 3, and 5. Enter AAA, ★, 8, ★, 3, 235, # (ENTER). (AAA is the Access Code).

NOTE: 24 Hour Audible or Silent Zones CAN NOT be bypassed.

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

MULTI-USER OPERATION (FOR NON-U.L. USE ONLY)

Multi-user 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-II-E arming stations.

In the conventional mode, zone bypassing and mode changing can be accomplished (see User's Manual). In multi-user operation, alarm memory and mode changing are lost. Zone bypassing can be accomplished. Modes are fixed. Instant, Force Arming and Test are not allowed. Zone(s) PROM selected for Delay can not be changed to Instant.

The DK-II-E, in the Multi-User Mode, attempts to keep the Avenger panel armed at all times. When the Access Code is entered, the DK-II-E will momentarily disarm the panel— then attempt to re-arm it, and in fact will do so except when an alarm occurs and a zone is violated. In this case the Avenger will automatically arm the associated zones and bypass the violated zone.

EXAMPLE: An example of a Multi-User installation might be that user (A) is assigned zones 1-4 and user (B) is assigned zones 5-8 in their respective protected areas.

PROGRAM KEYPAD (A) FOR MULTI-USER MODE

- 1-Enter Access Code (Example 8, 0, 4)
- 2-Press ★ (MODE) key
- 3-Press "8" key
- 4-Press ★ (MODE) key
- 5-Press "4" key
- 6-Press # (ENTER) key

PROGRAM KEYPAD (B) FOR MULTI-USER MODE

- 1-Enter Access Code (Example 7, 1, 7)
- 2-Press ★ (MODE) key
- 3-Press "8" key
- 4-Press ★ (MODE) key
- 5-Press "4" key
- 6-Press # (ENTER) key

PROGRAM KEYPAD (A) FOR ASSIGNED ZONES

- 1-Enter Access Code (Example 8, 0, 4)
- 2-Press ★ (MODE) key
- 3-Press "8" key
- 4-Press ★ (MODE) key
- 5-Press "3" key
- 6-Press "1, 2, 3 and 4" keys
- 7-Press # (ENTER) key

PROGRAM KEYPAD (B) FOR ASSIGNED ZONES:

- 1-Enter Access Code (Example 7, 1, 7)
- 2-Press ★ (MODE) key
- 3-Press "8" key
- 4-Press ★ (MODE) key
- 5-Press "3" key
- 6-Press "5, 6, 7 and 8" keys
- 7-Press # (ENTER) key

OPERATION OF MULTI-USER 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.

ARMING ZONES

User (A) — Press 8, Press 0, Press 4, Press # (ENTER) Key. Zones 1 thru 4 will arm.

User (B) — Press 7, Press 1, Press 7, Press # (ENTER) Key. Zones 5 thru 8 will arm.