Installation Manual

ENFORCER®

E-920A

Voice Dialer

Summary: The E-920A Voice Dialer will automatically dial up to four telephone numbers and deliver one of two different messages when triggered by an alarm system.

HOW IT WORKS

When triggered by an alarm system, the **E-920A** Voice Dialer can dial up to four telephone numbers and/or pager numbers. Each number can contain up to 32 digits (including "pound" tones and "pauses" used in pager numbers).

When the dialer is activated, the LCD will show the numbers dialed at each step of the dialing process. When the dialer makes a connection, one of two possible 16-second voice messages, which the user can record to respond to one or two trigger inputs, will be delivered twice to ensure the full message is received. This process will repeat for each number stored. If within 8 to 10 rings there is no connection, the E-920A will automatically dial the next programmed number.

As soon as the dialer has attempted to dial each number one time, if the unit is still in the alarm state, the dialer will attempt to call the previous unanswered or busy numbers up to 8 more times, rotating through all unanswered numbers until the full message was delivered to each number two times.

Note: If the number of a voice pager service which requires operator assistance is used, the service should be notified in advance regarding the meaning of the message.

WARRANTY: The ENFORCER 920A Voice Dialer is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original customer. Our obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation pre-paid, to SECO-LARM.

SECO-LARM® U.S.A., Inc.
16842 Millikan Avenue, Irvine, CA 92606
Tel: 800-662-0800 / 949-261-2999 Fax: 949-261-7326

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Website: www.seco-larm.com
E-mail: sales@seco-larm.com

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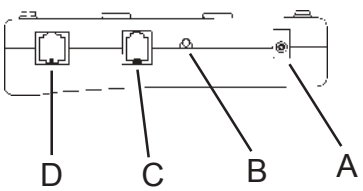
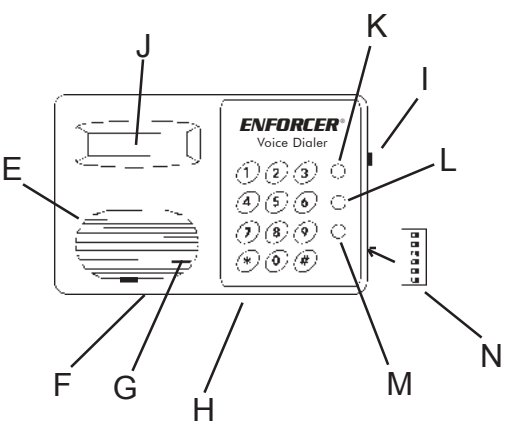
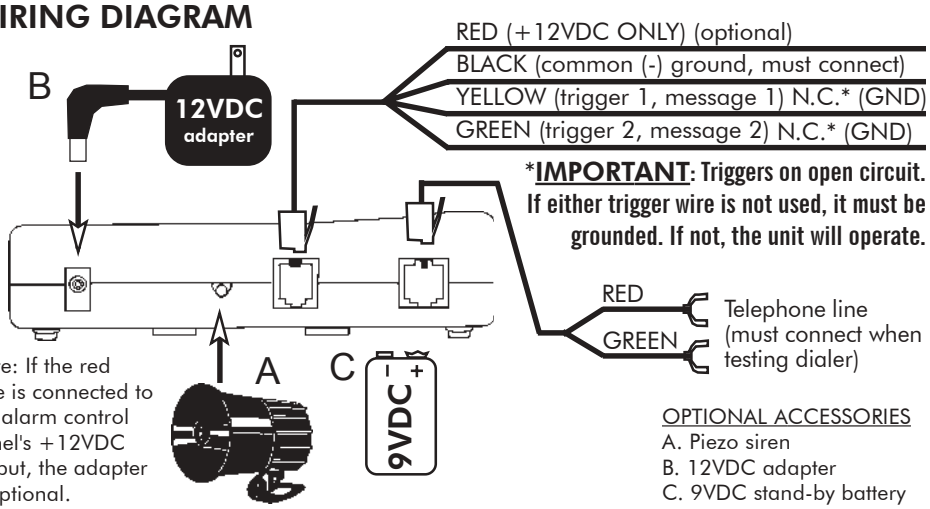
CONTROLS AND CONNECTIONS

A. DC adapter jack
B. Siren output jack
C. Sensor input modular connector
D. Telephone line modular connector
E. Speaker
F. 9VDC battery compartment
G. Microphone
H. Dial keys
I. Power switch
J. LCD display
K. MODE button — 3 selections:
   1. PROGRAM — Telephone no. and voice message recording
   2. TEST — Telephone no. and voice message testing
   3. OPERATE— Armed condition
L. MEMORY button — For recording telephone no.
M. VOICE button — For recording voice message.
N. DIP Switches:
   1 Exit delay (1 or 120 seconds)
   2. Entrance delay (1 or 30 seconds)
   3. Tone/pulse telephone
   4. Regular/PBX telephone
   5. Trigger input — 2-time redial enabled/disabled (for voice message #1 and #2)
   6. Not used.





WIRING DIAGRAM



CONNECTING THE E-920A

Note: You can program telephone numbers and voice messages prior to connecting power as long as the 9VDC battery is inserted. The stand-by battery will retain programmed information and allow for approximately 24 hours of operation.

1. Select a location for the dialer that is near both an AC outlet and the alarm control panel. Keep the E-920A out of sight of intruders.
2. Connect to power:
   a. If the dialer is to draw power from the alarm control panel, connect the red, black, yellow, and green wires of the 4-pin connector to the panel as shown in the wiring diagram.
   b. If local power is preferred, plug in an optional 12VDC adapter. It is not necessary to connect the red wire of the 4-pin connector to the alarm control panel. However, the black, yellow, and green wires MUST be connected.
   c. For backup power, connect both the red wire and the 12VDC adapter.

   Note: The E-920A utilizes an EEPROM to retain memory even in the event of a power loss.
3. Two trigger inputs can be connected to two separate alarm control panel trigger outputs. Each trigger input has its own voice message. The yellow wire (trigger input #1) is for the first voice message, and the green wire (trigger input #2) is for the second voice message. The messages should reflect the type of emergency which the alarm's output represents. The green and yellow wires should be connected to separate N.C. dry contacts on the alarm.

   Note: If DIP Switch 5 is set in the OFF position, the N.C. contact for trigger input #1 or #2 must remain open in order for the dialer to complete the dialing cycle. In this case, the dialer must be connected to a triggering device with a timed output.
4. The dialer can be connected to a pulse or touch-tone phone line via the included telephone cable.
5. Once all connections have been made, the unit is ready to be programmed.

SETTING THE DIP SWITCHES

1. DIP SWITCH #1 — EXIT DELAY TIME
   a. ON (INSTANT) — When set to the OPERATE mode, the E-920A will dial the programmed numbers immediately when triggered.
   b. OFF (DELAY) — When set to the OPERATE mode, the E-920A will allow 120 seconds to pass before it can be triggered. This gives the user time to leave the protected premises without triggering the voice dialer.

2. DIP SWITCH #2 — ENTRANCE DELAY TIME
   a. ON (INSTANT) — When triggered while in the OPERATE mode, the E-920A will immediately dial the programmed number (after any exit delay has passed).
   b. OFF (DELAY) — When triggered while in the OPERATE mode, the E-920A will wait 30 seconds after being triggered before dialing the programmed numbers. This gives the user time to turn off the E-920A before the voice dialer triggers when entering a protected premises.

   Note — Unless the user requires extra time, if the E-920A is being used with an alarm panel which has a programmed entry/exit delay, both DIP switches should be placed in the "ON" position, which provides an instant response to any trigger.

3. DIP SWITCH #3 — TELEPHONE DIAL-OUT TYPE
   a. ON — Pulse/rotary phone
   b. OFF — Touch-tone phone

4. DIP SWITCH #4 — TYPE OF TELEPHONE SYSTEM
   a. ON — PBX phone system — The E-920A will wait for the dial tone after the first digit in the telephone number (the dial-out code) is sent. Once the dial tone is received, the E-920A will send the remaining digits in the number.
   b. OFF — Regular phone system — All the digits in the number will be dialed, with no initial pause.

5. DIP SWITCH #5 — TRIGGER INPUT #1 AND #2 TIMING
   Timing for trigger input #1 and trigger input #2 function the same.
   a. ON — The E-920A will dial all programmed telephone numbers two times when triggered by trigger input #1 or input #2, regardless of whether the trigger signal (from the alarm control panel) is reset or not. This function also works with any non-timed (momentary) trigger device.
   b. OFF — If the triggered input is reset, the dialing action stops. If used with trigger devices other than an alarm control panel, a timer may be required.

6. DIP SWITCH #6 — NOT USED

STORING PHONE NUMBERS

The E-920A will dial up to four separate telephone numbers when triggered by one of up to two different sensors. These numbers can be used to call a telephone, cellular phone, or pager number.

Consult local authorities regarding the legality of automatically dialing their telephone numbers prior to programming.

Each of the four numbers can be programmed for up to 32 digits (including pound tones and pauses used in pager numbers). The unit will automatically skip any blank numbers. If less than four numbers are necessary, leave the extra numbers blank.

To program telephone numbers:

1. Turn the power switch "ON".
2. The LCD of the E-920A will indicate which mode the unit is in (PROGRAM, TEST, or OPERATE). Press the "MODE" button to select the PROGRAM mode.
3. Continue programming per the following sections.
4. When done programming, exit the PROGRAM mode by pressing the "MODE" button to go to the "OPERATE" or "TEST" mode.

TO STORE TELEPHONE NUMBERS ONLY IN MEMORY LOCATIONS 1 THROUGH 4

1. Press all the digits of the first number to be dialed. The LCD can be used to check accuracy, as it will display every number pressed.
2. Momentarily press the "MEMORY" button after the entire phone number has been entered, then press the "1" key. This number is now stored in memory location 1.
3. For memory 2, press all the digits for the second number to be dialed, momentarily press the "MEMORY" button, then the "2" key. This number is now stored in memory location 2.
4. Repeat this process for memory locations 3 and 4, if needed.

Note: The memory locations can be programmed in any order, and skipped as needed. New numbers entered for a memory location completely erase and replace old numbers previously stored in that location.

Example 1: Store telephone number 582-6191 in memory location 4.

Press: 5 8 2 6 1 9 1, MEMORY (momentarily), 4

Example 2: Store telephone number: 1-222-585-8525 in memory 2.

Press: 1 2 2 2 5 8 5 8 5 2 5, MEMORY (momentarily), 2

Note: To change an incorrect telephone number, follow the above procedure one time for only the incorrect memory location.

TO COMPLETELY ERASE NUMBERS STORED IN MEMORY

1. Press the "MODE" button to set the dialer to PROGRAM mode.
2. Press the "MEMORY" button.
3. Press the number for the memory location to be erased (1, 2, 3, or 4).
4. Test the unit once again. (see Pg. 8)

TO STORE A PAGER NUMBER, VOICE MESSAGE, AND/OR NUMERIC CODE

1. Press the "MODE" button to set the dialer to PROGRAM mode.
2. While checking for accuracy on the LCD, press all the digits of the pager number to be dialed.
3. Press and hold the "MEMORY" button for about 2 seconds after all digits have been entered. A "dash" will appear on the LCD to indicate that the dialer will pause approximately 5 seconds to allow the pager time to respond.
4. Input the numeric code desired for the pager directly after the pause (this number will appear on the pager unit). Input a "#" at the end of the message if required by the pager service (may not be necessary).
5. Momentarily press the "MEMORY" button and then the "1" key. The pager number and numeric code will be stored in memory location 1.
6. Repeat for memory locations 2, 3, and 4 if needed.

Note: Pauses and "#" keys count as one digit. Each memory location can contain up to 32 digits.

Note: The memory locations can be programmed in any order, and skipped as needed. New numbers entered for a memory location completely erase and replace old numbers previously stored in that location.

Example 1: Store pager number 585-8525 and numeric message 119 in memory location 3.

Press: 5 8 5 8 5 2 8, MEMORY (hold 2 sec.), 1 1 9, MEMORY (momentarily), 3

Example 2: Store pager number 585-8525 with access code 3 (if required) and numeric message 119 in memory location 4.

Press: 5 8 5 8 5 2 5, MEMORY (hold 2 sec.), 3 (access code), #, 1 1 9, MEMORY (momentarily), 4

Example 3: Store pager number 1-818-585-0825 with access code 2 (voice message code) in memory location 2.

Press: 1 8 1 8 5 8 5 8 5 2 5, MEMORY (hold 2 sec.), 2, * , MEMORY (momentarily), 2

Note: To change an incorrect telephone number, follow the above procedure one time for only the incorrect memory location.

RECORDING OUTGOING VOICE MESSAGE(S)

The E-920A can play back one or two outgoing messages of up to 16 seconds each (see WIRE DIAGRAM, page 3):

- Message one is played when trigger input #1 (yellow wire) is triggered.
- Message two is played when trigger input #2 (green wire) is triggered.

To ensure the message is received, each message is repeated 2 times.

Both outgoing messages should be timed and practiced prior to recording.

To record the outgoing voice message(s):

1. Locate the microphone in the lower right corner of the speaker. When recording a message, talk in a normal voice about 10 inches from the microphone.
2. Place the unit in the PROGRAM mode by pressing the "MODE" button.
3. Press dial key "1" to specify the first voice message, or press dial key "2" to specify the second message.
4. To record, press and hold the "VOICE" button down to initiate the recording process. The word "VOICE" will appear in the LCD during recording. The "VOICE" button must be held down for the entire time of the recording.
5. As soon as the voice key is released or when 16 seconds have passed, the word "VOICE" will disappear from the LCD. This indicates that the message is stored.
6. If you wish to change either outgoing message, repeat steps 1 through 5. The previous message will be replaced when the new message is recorded.

SPECIFICATIONS

Power	12VDC ONLY	No. of Tel. # Stored	Up to 4
Current Draw	20mA (standby) 60mA (operate)	Max. Digits per Tel #	32
		Case Material	ABS plastic
Trigger Inputs	2 N.C. inputs	Weight (inc. battery)	10.6 oz. (300g)
Temperature Range	-20°C to +50°C -4°F to +122°F	Dimensions (in.)	5⅞ x 4 x 1½ (148 x 100 x 38mm)
		Warranty	1 Year

NOTICE

The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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TESTING THE UNIT — NO OUTGOING MESSAGE (SELF-TEST)

To ensure the correct telephone numbers and recorded messages have been programmed properly, use the following procedure.

1. Set the unit to the TEST mode by pressing the "MODE" button.
2. The word "TEST" will appear on the LCD, and telephone number stored in memory location 1 will be displayed.
3. Message 1 and/or message 2 will play back through the speaker.
4. The process will automatically repeat itself for memory location 2, memory location 3, and memory location 4.
5. Press the "MODE" button to return the E-920A to the PROGRAM or OPERATE mode.

TESTING THE UNIT — DIALING OUT THE PROGRAMMED NUMBERS

Note: To ensure proper operation, the E-920A must be tested at least once in the OPERATE mode, and the dialer must be connected to the phone lines.

1. Contact the company or person who will be called by each of the recorded telephone numbers prior to performing an actual test in the OPERATE mode. Advise the people at the numbers that you are conducting a test, and ask them to confirm with you that the message was received and understood.
2. Turn the power "OFF".
3. Connect the dialer to the phone line (see page 3).
4. The sensor should not be in the alarm mode. If it is, the unit will start dialing immediately.
5. Turn the power "ON"
6. Use the "MODE" button to place the unit in the OPERATE mode.
7. Trip trigger #1 or #2 to simulate an alarm condition.
8. At this point the dialer should begin to dial the telephone numbers stored in memory locations 1 to 4. The outgoing message (1 or 2, depending on which trigger is tripped) will be delivered twice once the dialer receives an answer.
9. The message will repeat for the 2nd, 3rd, and 4th telephone numbers. If a number is busy or unanswered after 8 to 10 rings, that number will be skipped, but it will be retried at a later time.

Note: Prior to operation of the E-920A, be sure the power source is within the specification and the wiring is connected properly. It is recommended that the E-920A be tested under simulated alarm conditions and that the user receive confirmation of transmission from the numbers dialed. Please note that the SELF-TEST function allows for message and data confirmation without connecting the E-920A to a telephone line.