

CHECKING THE STATUS OF SENSORS

The "TEST" mode can be used to check the current status of both sensors during installation. Press the "MODE" button and select the "TEST" mode. The status of both sensors will be simultaneously shown on the LCD.

- a. S1-O: Indicates the relay contact of sensor #1 is "OPEN".
- b. S1-C: Indicates the relay contact of sensor #1 is "CLOSED".
- c. S2-O: Indicates the relay contact of sensor #2 is "OPEN".
- d. S2-C: Indicates the relay contact of sensor #2 is "CLOSED".

TESTING THE UNIT — DIALING OUT TO THE PROGRAMMED NUMBERS

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

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 dialed 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. Trigger input #1 or #2 to simulate an alarm condition.
8. At this point the dialer should begin to dial the telephone numbers #1 to #4. The outgoing message (1 or 2, depending on which trigger is tripped) will be delivered for one minute once the dialer makes a connection.
9. The message will repeat for #2, #3 and #4 telephone numbers. If a number is busy or unanswered after 8 to 10 rings, that number will be skipped, and dialed again once the other numbers have finished dialing. Numbers that are still busy will be dialed a third and final time.

Note: Prior to operation of the E-920B, be sure the power source is correct and the wiring is connected properly. It is recommended that the E-920B be tested under simulated alarm conditions and that the user receive confirmation of transmission from the numbers dialed.

Installation Manual

ENFORCER[®]

E-920B

Voice Dialer

Summary: The E-920B 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-920B** 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-sec. voice messages will be delivered. The user can record each message to respond to one or two inputs. Each message is then delivered repeatedly for one minute to ensure the full message is received. This process will repeat for each number stored.

WARRANTY: This SECO-LARM product 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 consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM.

This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship.

The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

If within 8 to 10 rings there is no connection, the E-920B will automatically dial the next programmed number.


If the dialer has attempted to dial each number one time and the unit is still in the alarm state, the dialer will attempt to call all numbers a second time. All busy numbers will be dialed a third time.

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

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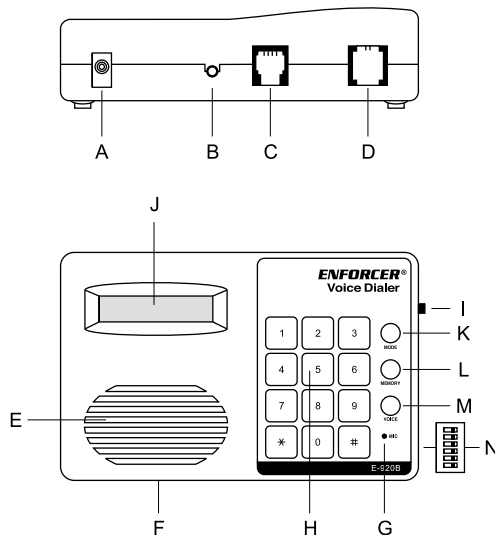
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E-920B OVERVIEW

- A. DC adapter jack
- B. Siren output jack
- C. Sensor input connector
- D. Telephone line 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. CHECK STATUS — Status of inputs #1 & #2
 3. OPERATE— Armed condition
- L. MEMORY button — For recording and erasing telephone no.
- M. VOICE button — For recording and playing voice messages.
- N. DIP Switches:
 1. Exit delay 1 or 120 secs. (Beeps once every second during exit time delay)
 2. Entrance delay (1 or 30 secs.)
 3. Tone/pulse telephone
 4. Trigger input #1 and #2 timing
 5. NO or NC input #1
 6. NO or NC input #2



Parts List

- Manual x 1
- Wall bracket x 1
- Screws x 2
- Telephone cable x 1
- 4-Pin connector x 1

Note: The telephone numbers can be programmed in any order, and skipped as needed. Whenever a new telephone number is programmed, it will completely erase and replace old telephone numbers previously stored in that location.

Example 1: Store pager number 585-8525 and numeric message 119 as telephone #3.

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

Example 2: Store pager number 585-8525 with access code 3 (if required) and numeric message 119 as telephone #4.

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

Example 3: Store pager number 1-818-585-8525 with access code 2 (voice message code) as telephone #3.

Press: 1 8 1 8 5 8 5 2 5, "MEMORY" (hold two sec.), 2, *, "MEMORY" (momentarily), 3

SPECIFICATIONS

Operating Voltage	12VDC
Current Draw	40mA (standby) 60mA (active) 250mA (siren active)*
Trigger Inputs	2 NO/NC
Operating Temp.	-4°~122°F (-20°~50°C)
Backup Battery	9VDC (not included)

No. of Tel. #s Stored	Up to 4
Max. Digits Per Tel. #	32
Case Material	ABS plastic
Weight	11-oz (320g)
Dimensions	5 ⁷ / ₈ "x4"x1 ¹ / ₂ " (148x100x39 mm)
Warranty	1 Year

*With siren connected. Siren output 180mA maximum.

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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RECORDING OUTGOING VOICE MESSAGE(S)

The E-920B can play back one of two outgoing messages of up to 16 seconds each:

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

To ensure the message is received, each message is repeated for one minute.

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 keypad area. When recording a message, speak in a normal voice about 7 inches from the microphone.
2. Place the unit in the "PROGRAM" mode by pressing the "MODE" button.
3. Press key "1" to specify the first voice message, or press key "2" to specify the second message.

4. To record, press and hold the "VOICE" button. The word "VOICE" will appear on 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 secs. 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.
7. Once recorded, review the voice message simply by pressing the "VOICE" button. The first message will play. Pressing "VOICE" again will play the second message. To review at other times, first press the "MODE" button until "PROGRAM" shows on the LCD. Pressing "VOICE" will alternately replay message one and two.

TO COMPLETELY ERASE NUMBERS STORED IN MEMORY

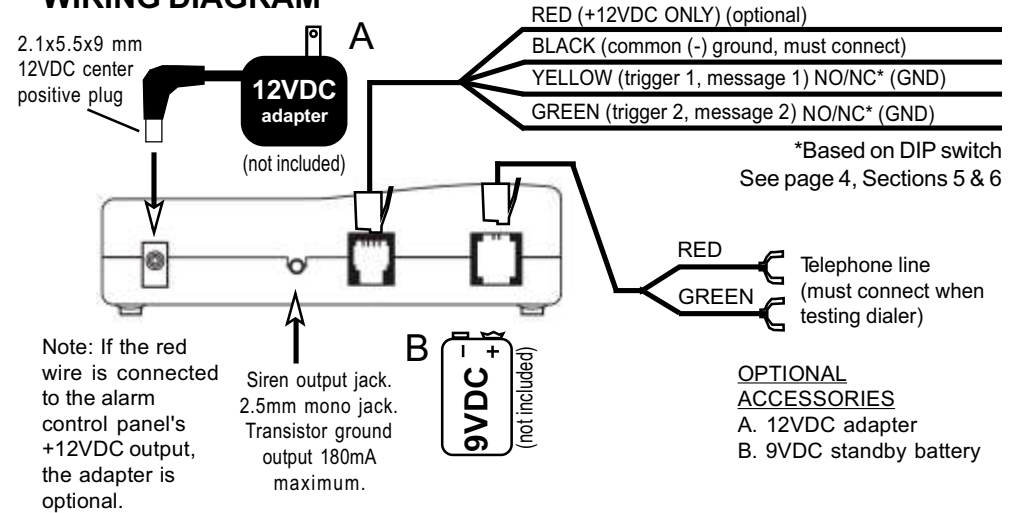
1. Press the "MODE" button to set the dialer to "PROGRAM" mode.
2. Press the "MEMORY" button.
3. When the LCD indicates telephone numbers, press "#".
4. Test the unit once again. (see pg. 8)

TO STORE A PAGER NUMBER AND/OR NUMERIC CODE

1. Press the "MODE" button to set the dialer to "PROGRAM" mode.
2. Enter the pager number to be dialed including any area code if necessary. Check to see that the correct number is displayed by the LCD.
3. Press and hold the "MEMORY" button for about two seconds. A "dash" will appear on the LCD to indicate that the dialer will pause approx. five secs., 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 as telephone #1.
6. Repeat for telephone #2, #3, and #4 if needed.

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

WIRING DIAGRAM



CONNECTING THE E-920B

Note: You can program telephone numbers and voice messages prior to connecting power as long as the 9VDC battery is installed. The standby battery will allow for about 24 hours of operation.

Note: The E-920B uses an EEPROM to retain memory in the event of a power loss.

1. Select a location for the dialer that is near both an AC outlet and the alarm control panel. Keep the E-920B out of sight.
2. Connect to power:
 - a. If the dialer is powered 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 using 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 more reliable power, connect both the red wire and a 12VDC adapter (not included). For backup power, also install a 9VDC battery (not included).

3. The two inputs can be connected to two separate alarm control panel outputs. Each input triggers a specific voice message. The yellow wire (input #1) is for the first voice message, and the green wire (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 NO or NC outputs of the alarm.
4. The dialer can be connected to a pulse or touch-tone phone line using 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 (Default ON)
 - a. ON (1 second) — When set to the OPERATE mode, the E-920B will dial the programmed numbers immediately when triggered.
 - b. OFF (DELAY) — When set to the OPERATE mode, the E-920B 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 (Default ON)
 - a. ON (1 second) — When triggered while in the OPERATE mode, the E-920B will immediately dial the programmed number (after any exit delay has passed).
 - b. OFF (DELAY) — When triggered while in the OPERATE mode, the E-920B will wait 30 seconds after being triggered before dialing the programmed numbers. This gives the user time to turn off the E-920B before the voice dialer triggers when entering a protected premises.
- Note:** Unless the user requires extra time, if the E-920B is being used with an alarm panel which has a programmed entry/exit delay, both DIP switches #1 and #2 should be placed in the "ON" position, which provides an instant response to any trigger.
3. DIP SWITCH #3 — TELEPHONE DIALING TYPE (Default OFF)
 - a. ON — Pulse/rotary phone
 - b. OFF — Touch-tone phone
 4. DIP SWITCH #4 — INPUT #1 AND #2 TIMING (Default ON)

Timing for input #1 and input #2 function the same way.

 - a. ON — The E-920B will dial all programmed telephone numbers two times when triggered by input #1 or input #2, regardless of whether the input signal (from the alarm control panel) is reset or not. This function also works with any non-timed (momentary) input device.
 - b. OFF — If the triggered input is reset, the dialing action stops. If used with input devices other than an alarm control panel with timed outputs, a timer may be required.
 5. DIP SWITCH #5 — NO or NC input #1 (Default ON)
 - a. ON — Use NO type device to trigger input #1
 - b. OFF — Use NC type device to trigger input #1
 6. DIP SWITCH #6 — NO or NC input #2 (Default ON)
 - a. ON — Use NO type device to trigger input #2
 - b. OFF — Use NC type device to trigger input #2

STORING PHONE NUMBERS

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

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

Each of the four telephone numbers can be programmed for up to 32 digits (including pound (#) tones and pauses used in pager numbers). The unit will automatically skip any telephone numbers left blank. If there are fewer than four telephone numbers to be dialed, do not enter numbers in the unneeded locations, or clear numbers previously stored there.

INSTRUCTIONS FOR STORING TELEPHONE #1 — #4

1. Turn the power switch "ON".
2. The LCD of the E-920B will indicate which mode the unit is in (PROGRAM, TEST, or OPERATE). Press the "MODE" button to select the "PROGRAM" mode.

Note: If using a PBX phone system, press the dial-out code, then the # key, followed by the phone number to be called when the pause signal is displayed on the LCD.
3. Enter the telephone number to be dialed, including any area code if necessary. Check to see that the correct number is displayed by the LCD.
4. Momentarily press the "MEMORY" button after the entire phone number has been entered, then press the "1" key. This number is now telephone #1.
5. For telephone #2, input all the digits for the second number to be dialed, momentarily press the "MEMORY" button, then the "2" key.
6. Repeat this process for telephone #3 and #4, if needed.
7. To check the numbers, enter "PROGRAM" mode and press the "MEMORY" button. Pressing "MEMORY" again will show the next number. Stored numbers will be displayed in sequence.
8. When done programming, exit the "PROGRAM" mode by pressing the "MODE" button to go to the "OPERATE" or "TEST" mode.

Note: The telephone numbers can be programmed in any order, and skipped as needed. Whenever a new telephone number is programmed, it will completely erase and replace old telephone numbers previously stored in that location.

Example 1: Store telephone number 582-6191 as #4.

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

Example 2: Store telephone number: 1-222-585-8525 as #2.

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

Example 3: Using a PBX phone system, store telephone number: 555-1234 as #3.

Press: 9 # 5 5 5 1 2 3 4, MEMORY (momentarily), 3