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# Emergency Dialer

## Monitoring Station™

MODEL: MS-2001



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English

# **Monitoring Station™**

**MODEL: MS-2001**

**OWNER'S MANUAL**

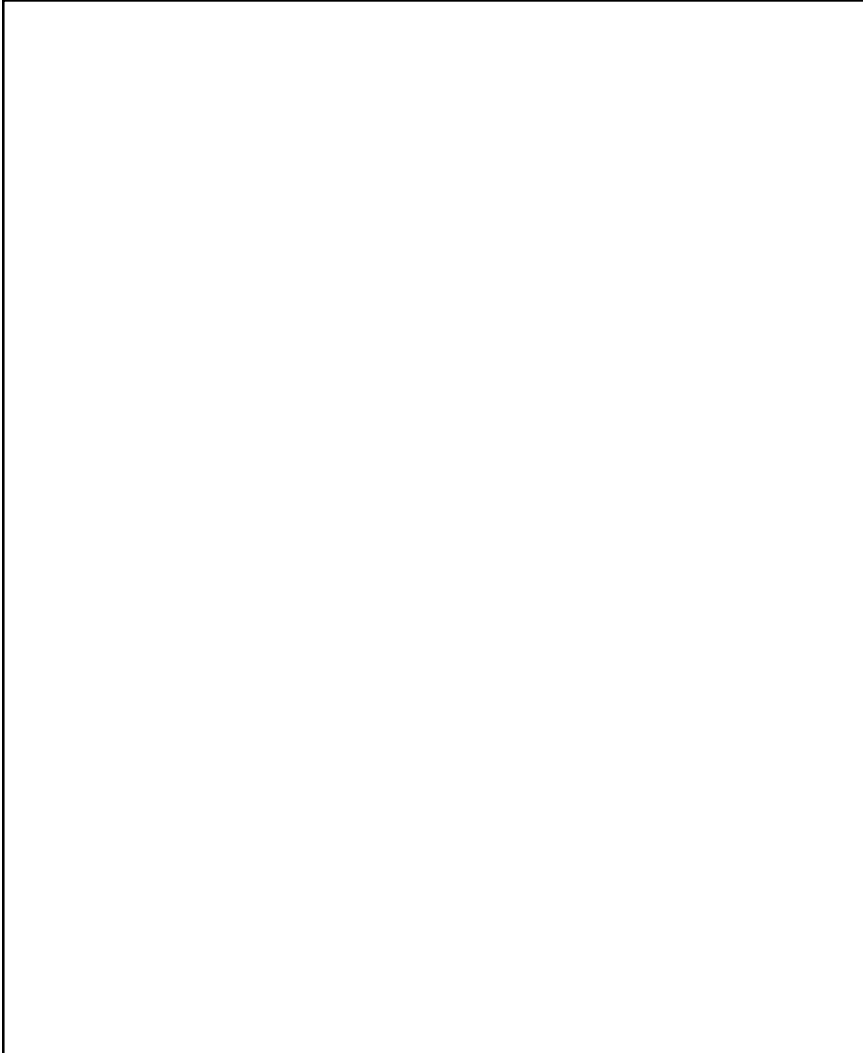
SKYLINK TECHNOLOGIES INC.

Your Guide to the

# Emergency Dialer

## Monitoring Station™

MODEL: MS-2001



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## OVERVIEW

The MS-2001 **Dial-Alert** can be used as both an Emergency Dialer and a regular speakerphone. When activated during an emergency, the dialer will send a pre-recorded message, maximum 40 seconds, to as many as 9 pre-programmed telephone numbers.

The **Dial-Alert** also works in conjunction with Skylink's Security System SC-100 and SC-200. When the alarm sounds on the control panel on any of our security systems, the **Dial-Alert** will be activated.

The **Dial-Alert** is activated when:

1. The red panic button [O] on the keypad of the **Dial-Alert** is pressed.
2. The red button is pressed on the keychain transmitter 4B434 (included in the MS-2001 package).
3. The red panic button [O] on the keypad of our security system (SC-100 and SC-200)\* is pressed.
4. The button on the panic transmitter (PT-434)\* is pressed.
5. The security system SC-100 and SC-200 activated by any programmed sensors (i.e. door/window sensor, motion sensor, etc.).

\* The security systems, additional keychain transmitters and sensors must first be programmed to communicate with the **Dial-Alert**.

The MS-2001 **Dial-Alert** can also be used as a speakerphone capable of receiving and sending telephone calls. You can also pre-program three different telephone numbers for your convenience. You can activate these pre-programmed numbers by pressing either the [T1], [T2] or [T3] buttons on the dialer or the corresponding white button on the keychain transmitters. These three telephone numbers may differ from the preprogrammed emergency telephone numbers discussed above.

You can connect your dialer MS-2001 to a Skylink's Authorized Monitoring Station. The MS-2001 is equipped with some special features that allow communication between the dialer and the monitoring station. One of the special features is that the dialer will transmit users information to the monitoring station when the panic button is pressed. Another feature is that maximum of 16 persons can share one dialer MS-2001 and whenever one of the panic transmitters is activated, the dialer will be able to distinguish who needs help and that person's information will be sent to the monitoring station. This feature is especially useful for senior homes and hospitals.

This manual is divided into 4 sections in order to assist you on the installation and programming of your **Dial-Alert**.

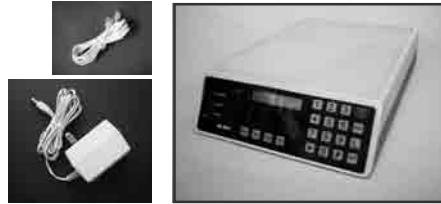
## OVERVIEW

1. Installation
2. Lights and Sounds
3. Standard Programming
  - Program the time clock
  - Record a message
  - Playback of pre-recorded message
  - Storing telephone numbers in memory for
    - emergency voice message only
    - both emergency voice message and numeric information
    - numeric information only
  - Delete a telephone number from memory
  - Modify a telephone number, the redial count and repeat times of a phone number
4. Advanced Programming
  - Programming the calling time
  - Programming the pause period for pager access
  - Select the phone system
  - Program transmitters / accessories to activate dialer
  - Erase programmed transmitters / accessories
  - To arm / disarm the dialer
  - Dialing delay
  - Universal Dial Tone

## PACKAGE CONTENTS

All materials required for installation are included with this package

- 1 **Dial-Alert** (MS-2001)
- 1 Telephone Line
- 1 AC adapter



- 1 Keychain Transmitter (4B-434) includes
- 1 12 volt alkaline battery (installed)

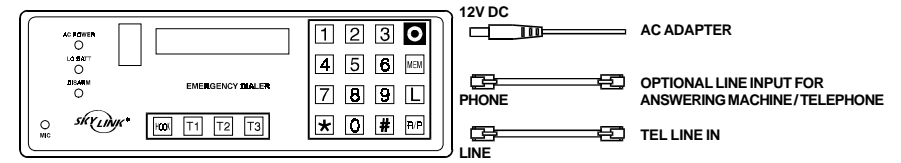


- Manual
- Warranty Card
- Quick Guide

## INSTALLATION

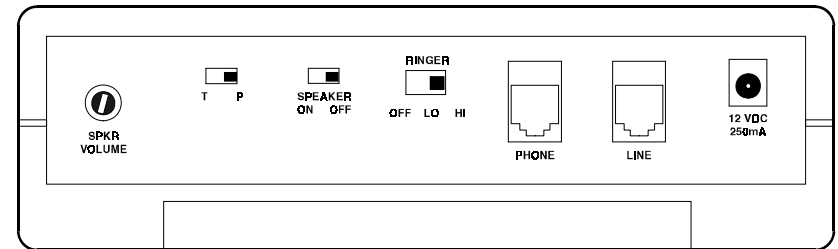
### INSTALLING THE DIAL-ALERT (MS-2001)

Position the dialer beside a telephone or near any phone line and within access of an electrical outlet. However, it is recommended that you hide the dialer for security purposes. The dialer runs on regular electrical current. It also uses six "AA" alkaline batteries as a backup in case power is interrupted for any reason (to install batteries, see page 29 in this manual). A phone line must be connected to the dialer in order for the dialer to work. Connect the phone lines and AC adapter as shown.



Note: The optional line input is intended for answering machine, telephone etc. The device connected to the dialer will be disconnected when the dialer is activated. Therefore it will not affect the operation of the dialer.

All switch settings are located at the back of the dialer.



### SWITCH SETTING

#### 1. Tone/Pulse Switch

This dialer supports both tone and pulse dialing. The switch is factory set to tone (T). To change the setting, slide the switch to the appropriate position.

#### 2. Speaker On/Off Switch

The speaker must be on during programming and recording the voice message in order to use the playback feature. The dialer must be "ON" when using the dialer as a telephone. For security purposes, the speaker may be turned off after programming to allow for silent dialing when the dialer is activated. The default setting for the speaker is "ON".

#### 3. Speaker Volume (For "speaker phone" only)

Adjusts the volume of the built in speaker. Turn the knob clockwise to increase the volume and counterclockwise to decrease the volume.

#### 4. Ringer ON/OFF Switch

Turn off or adjust the volume of the ringer, which indicates incoming calls.

## LIGHTS AND SOUNDS

Below is an explanation of the lights and sounds of the **Dial-Alert**.

### LIGHTS

ACPWR light on	dialer is being powered by AC adapter.
ACPWR light off	dialer is not receiving any AC power.
LOBATT. light off	backup battery is connected and working.
LOBATT. light on	backup battery is weak, battery needs to be replaced.
DISARM light off	the dialer will dial the pre-programmed phone numbers when activated.
DISARM light on	the dialer will not dial any phone numbers when activated.
Keypad backlight flashing	1.) the dialer has no message in memory. 2.) dial tone is not detected when the dialer is activated, check phone line connection.
Keypad backlight	If unit is powered by AC adapter or powered by back up battery, back light stays on for five seconds when any key on the keypad is pressed.

### SOUNDS

Short beep	You have pressed a key in the right order
Two short beep's	1.) When the dialer is turned on for the first time. 2.) When the pre-programmed transmitters/sensors are deleted from the memory.
Long beep	You have made a mistake.
Steady repeated beep	The dialer has been triggered in DELAY mode. It gives you time to disarm the dialer before dials the emergency phone number.

## SPEAKERPHONE

The MS-2001 **Dial-Alert** can also be used as a speakerphone to send and receive telephone calls.

### To answer an incoming call using the keypad on the Dial Alert:

1. When the phone is ringing, press the [Hook] button on the front of the dialer to answer the call.
2. Face the front of the dialer, approximately one to ten feet from the microphone (MIC) on the dialer and speak clearly.
3. When the conversation is completed, press the [Hook] button again to terminate the call.

### To answer an incoming call using the Keychain Transmitter (4B-434)

1. First, learn the Keychain Transmitter to the Dialer (refer to Advanced Programming, (Program the ID code of a transmitter - page 18)
2. Select which of the speed dial buttons (either [T1], [T2] or [T3]) you want to use to answer an incoming call. (We recommend [T3])
3. Press [T3] on the dialer, the LED display beside the screen will show "3".
4. Within five seconds, press [#], on the dialer.
5. Now when the phone rings, press the #3 key on the Keychain Transmitter and speak clearly into the microphone (MIC) on the Dial Alert.

Any of the white buttons (#1, 2 or 3) on the Keychain Transmitter can pick up an incoming call, however, if a phone number has been learned in [T1], [T2] or [T3] to be used for speed dialing, that preprogrammed telephone number will be dialed before you are allowed to speak. Once the phone rings and any of the white keys are pressed on the Keychain Transmitter (which answers the phone), the caller will hear the beeping tone of a telephone number being dialed. You can then begin your conversation.

In order to avoid a phone number being dialed when a call is picked up using the Keychain Transmitter, we recommend that you do not program a phone number using [T3] and answer calls using the #3 button on the transmitter. (for programming information, see above "To answer an incoming call using the Keychain Transmitter (4B-434)"). Use the [T1] and [T2] buttons to program speed dial numbers. (see Speaker Phone "Speed Dial" page 10.)

### To make a call:

1. Press the [Hook] button (you will hear a dial tone).
2. Use the telephone keypad on the dialer to enter the outgoing phone number (the dialer will beep when a key is pressed). After the last number is entered you need not press any further keys to send the phone number.
3. If the called party answers, you may start the conversation.
4. When the conversation is over or at any point you wish to terminate the call, press the [Hook] button. This will disconnect the phone line.

## SPEAKERPHONE

### SPEED DIAL

Programming the Speed Dial buttons, [T1], [T2] & [T3]. To program these buttons:

1. Press [T1] to program phone number into memory [T1], the LED display beside the screen will show "1".
2. Within five seconds, begin entering the phone number you wish to save. (a maximum of 32 digits). The numbers will flash on the screen as they are entered. Do not wait longer than five seconds between entering the keys or the dialer will revert back to "clock mode".
3. When the phone number is entered, press the [T1] key to complete the process. The dialer will return to "clock mode".

Repeat the above procedure replacing [T1] with [T2] to store the second speed dial number and [T3] to store the third number. Remember, if you plan to answer incoming calls using the third button on the Keychain Transmitter, do not record a telephone number to [T3].

### To make a call using the Speed Dial buttons

1. Press [Hook].
2. Press either the [T1], [T2] or [T3] button on the dialer depending on which pre-programmed telephone number you wish to use. The dialer will beep as each digit is entered. After the last number is entered, you need not press any further keys to send the phone number.
3. If the called party answers, just start talking.
4. When the conversation is over or at any point you wish to terminate the call, press the [Hook] button.

### Using the Keychain Transmitter to make a call:

The keychain transmitter has four buttons. The red button is to activate the dialer in an emergency and the other three white buttons (number 1, 2 & 3) are to activate the three different pre-programmed speed dial numbers.

When button #1 is pressed on the keychain transmitter, the telephone number programmed using the [T1] key will be activated. (for more information, see Programming the Speed Dial buttons mentioned earlier in this section). The dialer will react in the same manner as if the [T1] button was pressed on the dialer. Button #2 on the keychain will dial the same telephone number as the [T2] button and button #3 will dial the same number as if the [T3] button was pressed on the dialer. Remember, if you plan to answer incoming calls using the third button on the Keychain Transmitter, do not record a telephone number to [T3].

## STANDARD PROGRAMMING

When you plug in the dialer for the first time, you will hear a double beep and all the lights will be on for 2 seconds, the keypad will continue to flash and the clock will be set to 12:00.

### PROGRAM THE TIME CLOCK

1. Press the [L] key, display will show "L".
2. Press the [4] key, display will show "L 4 12:00". The first digit of the time will be flashing. The flashing digit is the number you are currently changing.
3. Using the keypad, enter the desired number.  
The clock is in 24 hour mode. For example, if the display shows "L 4 1330", the time is set at 1:30 pm.

To change the time to 8:15 pm, the sequence is (remember that the clock is in 24 hour mode):

[L], [4], [2], [0], [1], [5]

### RECORDING A MESSAGE

Currently the keypad is flashing and will continue to flash until a message has been recorded. The dialer cannot dial any phone numbers if a message has not been recorded.

To record a message, press and hold the [R/P] key for 2 seconds then release, the display will show "rEcord" and a beep is generated which alerts you to begin recording. The microphone is located inside the front panel. Record all the information you would like to be played in case of an emergency. For example: "This is an emergency voice message, my name is John Smith, please send help, I live at.....My phone number is xxx-xxx-xxx" (if you have two phone lines, give the phone number of the line that is not using so that the recipient(s) can call you back after they received your emergency message.)

This dialer includes a special feature to let the called party (recipient) to terminate the emergency message. By pressing [#], [#], [9] while the message is being played, the Dialer will stop calling that number, then advance to the next number, if any. We recommend that a short ending be recorded after the emergency message informing the recipient of this feature (i.e. this message will call you x times and repeat x times during each call, to acknowledge and discontinue further calls, press [#], [#], [9].) If the speakerphone feature is enabled after the emergency message (detail see Page 22), you should also give clear instruction to the recipients of how to operate the speakerphone feature properly. Please see page 22 for detailed instruction regarding the speakerphone feature.

After you are finished recording the message, (maximum length of 40 seconds), press [R/P] key, display will show "PLAY" and play back the message. After playing the message, the display will return to clock mode. The keypad backlight will stop flashing indicating that a message has been recorded.

The sequence to record a message is:

Press and hold [R/P] for 2 seconds then release, [record message], press [R/P].

## STANDARD PROGRAMMING

### PLAYBACK PRE-RECORDED MESSAGE

Press [R/P] key once, display will show "PLAY" and the dialer will beep. The message is then played back.

### STORING TELEPHONE NUMBERS

This feature enables the user to program as many as 9 different telephone numbers. The dialer can send out 2 different messages. One message is the pre-recorded voice message that you programmed earlier, the other message sends numeric information to a pager.

There are three different ways that you can send the voice message and the numeric information:

- A. Sends the emergency voice message only.
- B. Sends both the emergency voice message and the numeric information (pager reception only).
- C. Sends the numeric information only (for pager reception only).

#### A. Storing telephone numbers in memory (Sends the emergency voice message only)

1. Press the [MEM] key, the display will show a letter "M" on the upper left corner. If nothing is entered within 5 seconds, the display will return to the clock mode.
2. Within the first 5 seconds, select a memory location by pressing a keypad number 1 - 9 to store the telephone number.
3. Enter the telephone number using the keypad. The display will flash as the number is being entered. To insert a pause period between any digits of the pre-programmed telephone number, see PROGRAMMING A PAUSE PERIOD (page 17)
4. Press the [MEM] key within 5 seconds after the last digit of the telephone number is entered. The number is now stored.
5. After the telephone number has been stored, "rEdIAL 3" will appear on the display. This is the redial count which is the number of times the dialer will call that telephone number. The dialer is factory set to call each number 3 times. The number of attempts can be changed from 1 to 9 times. If you want to keep the dialer at 3 attempts, press the [MEM] key. To change the redial count, enter a number from 1 - 9 when display shows "rEdIAL 3" .
6. The display will now show "rPEAt 3". This is the repeat count which is the number of times the message will be repeated during that one call. The dialer is factory set to repeat the message 3 times. The number of repeats can be changed from 1 to 9 times. If you want to keep the repeat count to remain at 3 times, press the [MEM] key. To change the repeat count, enter a number from 1 - 9 when display shows "rPEAt 3" .
7. The dialer is now in standby mode, (Display shows the time) and the phone number has been programmed to the memory.

## STANDARD PROGRAMMING

The sequence to store a telephone number is as follows:

[MEM] , enter memory location (1-9) , enter telephone # , [MEM] , enter redial # (1-9), enter repeat # (1-9).

#### B. Storing telephone numbers in memory (Sends both emergency voice message and numeric information)

1. Press the [MEM] key, the display will show a letter "M" on the upper left corner. If nothing is entered within 5 seconds, the display will return to the clock mode.
2. Within the first 5 seconds, select a memory location by pressing a keypad number 1 - 9 to store the telephone number.
3. Enter the telephone number using the keypad. The display will flash as the number is being entered. To insert a pause period between any digits of the pre-programmed telephone number or after the telephone number and before the numeric message. (used for pagers), see PROGRAMMING A PAUSE PERIOD (page 17).
4. Press [MEM].
5. "rEdIAL 3" will appear on the display. This is the redial count which is the number of times the dialer will call that telephone number if it is busy or if there is no answer. The dialer is factory set to call the number 3 times. The number of attempts can be changed from 1 to 9 times. If you want to keep the redial count at 3 attempts, press the [MEM] key. To change the redial count, enter a number from 1 - 9 when display shows "rEdIAL 3".
6. The display will now show "rPEAt 3". This is the repeat count which is the number of times the message will be repeated during that one call. The dialer is factory set to repeat the message 3 times. The number of repeats can be changed from 1 to 9 times. If you want to keep the repeat count to remain at 3 times, press the [MEM] key. To change the repeat count, enter a number from 1 - 9 when display shows "rPEAt 3".

#### C. Storing telephone numbers in memory (Sends the numeric information to pager only)

1. Press the [MEM] key, the display will show a letter "M" on the upper left corner. If nothing is entered within 5 seconds, the display will return to the clock mode.
2. Within the first 5 seconds, select a memory location by pressing a keypad number 1 - 9 to store the telephone number.
3. Enter the telephone number using the keypad. The display will flash as the number is being entered. To insert a pause between any digits of the pre-programmed telephone number or after the telephone number and before the numeric message. (used for pagers), see PROGRAMMING A PAUSE PERIOD (page 17).
4. Enter the numeric information you want to send out, (the information that will be shown on the pager), then press [L]. This will suspend the recorded message.



## STANDARD PROGRAMMING

5. Press [MEM].
6. After the telephone number has been stored, another message will appear on the display asking for a redial count. The redial count is the number of times the dialer will call that telephone number. The dialer is factory set to call the number 3 times. The number of attempts can be changed from 1 to 9 times. If you want to keep the redial count at 3 attempts, press the [MEM] key. To change the redial count, enter a number from 1 - 9 when display shows "rEdIAL 3".
7. Input the repeat times when the display shows "rEPEAt 3". The repeat time is the number of times the message will be played for that certain phone number. The current setting is 3. It can be changed from 1 to 9 using the keypad. Again, by pressing [MEM] will keep the existing setting.

### DELETE A TELEPHONE NUMBER FROM MEMORY

1. Press [MEM] key.
2. Select the memory location (1 - 9) of the phone number you want to delete.
3. The phone number will be shown on the display, if that is the number you want to delete, press the [R/P] key while the telephone number is on the display. Once the phone number is deleted, the display will return to clock mode.

### TO REVIEW OR MODIFY THE PRE-PROGRAMMED PHONE NUMBERS, THE REDIAL COUNT AND/OR THE REPEAT TIMES OF A PHONE NUMBER.

1. Press the [MEM] key, display will show an "M" in the upper right corner.
2. Select the memory location of the phone number, (1 - 9)
3. The phone number will be shown on the display.
4. If you want to change the telephone number, enter the new phone number while the old number appears on the display. The old telephone number will be deleted when a new number is added. Then press the [MEM] key. If you want to keep the existing telephone number on the display, press [MEM].
5. The display will now show the current setting of the redial count. If you want to keep the current redial count, enter the [MEM] key. If you want to change the setting, enter the desired number, (1 - 9), then press the [MEM] key.
6. After pressing the [MEM] key, the display will show the current setting of the repeat times.
7. If you want to keep the current repeat time, enter the [MEM] key. If you want to change the setting, enter the desired number, (1 - 9), then press the [MEM] key.
8. The screen will revert back to clock mode.

## STANDARD PROGRAMMING

### ACTIVATE THE DIAL-ALERT WITH THE PANIC BUTTON ON THE KEYPAD

After you programmed all the emergency telephone numbers and the voice message, you can activate the dialer by pressing the panic button on the keypad. Once the panic button is pressed, the dialer will start dialing the pre-programmed emergency phone numbers. You can also activate the dialer using the Keychain Transmitter. If the display shows "NO LINE" 1 minute after the panic button is pressed, please check the phone line connection and the dial tone. If the connection is established, and dial tone is normal, you may have to enable the "Universal Dial Tone" feature. Please refer to page 21 for more detailed information.

## KEYCHAIN TRANSMITTER

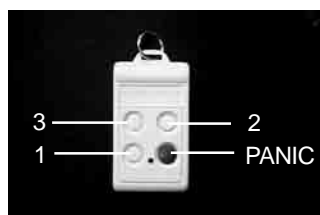
The keychain transmitter activates the **Dial-Alert** from a maximum distance of approximately 100 feet from the dialer. The distance will vary depending on what is between the transmitter and the dialer. The keychain transmitter contains four buttons, one red and three white buttons.

**RED BUTTON:** (for emergency use)

When pressed, the **Dial-Alert** is activated and the pre-recorded message is sent to the pre-programmed emergency phone numbers.

**WHITE BUTTONS:** (activates the speed dial numbers)

There are three white buttons numbered 1, 2 & 3. When the first white button is pressed, the dialer will dial the first pre-programmed number (the same number is dialed if the [T1] button is pressed on the dialer. The number "1" will appear in the LED box beside the screen. The second white button will dial the same pre-programmed phone number as the [T2] button and the number "2" will appear. The third white button will dial the number as the [T3] button and the number "3" will appear. Please note that these phone numbers are not the same as the 1-9 numbers that are programmed for the emergency call.



### TO PROGRAM THE KEYCHAIN TRANSMITTER TO DIAL-ALERT

In order for the keychain transmitter 4B434 to activate the emergency dialer, you must first "learn" the keychain transmitter to the dialer so that they can communicate with each other. The keychain transmitter that comes with this MS-2001 package has already been "learn" to the dialer at the factory. Therefore, you only have to do this "learning" process for the new (extra) keychain transmitter.

1. Press the [ L ] key on Dial Alert, display will show "L".
2. Press the [ 5 ] key, display will show " L5 Id codE".
3. Within 5 seconds of pressing the [ 5 ], press any of the four buttons on the Keychain Transmitter. Once the transmitter is learned to the dialer, the display will return to clock mode.
4. To ensure that the Keychain Transmitter has been learned, activate the panic button on the transmitter when the dialer is in clock mode. If the dialer starts dialing the preset phone numbers, the transmitter has been learned. To terminate the dialing, press and hold the panic button [ O ] on the keypad for 2 seconds.

Note: Make sure the buttons on the keychain transmitter are pressed down for one full second or the dialer may not respond.

## ADVANCED PROGRAMMING

### PROGRAM THE CALLING TIME

The calling time is the amount of time the phone will ring until the call is disconnected. If the phone is not picked up within this period of time, the dialer will either call again, (depends on the redial count), or advance to the next phone number. The calling time is currently set at 60 seconds.

#### How to program the calling time

1. Press the [L] key, the display will show " L ".
2. Press the [1] key, the display will show " L 1 1 ", the last digit, " 1 ", is the setting of the call time, (in this example, it is currently 30 seconds, as per chart below). To keep this setting, press the [L] key.
3. To change the calling time, press either 1, 2, 3, 4 or 5 when the display shows " L 1 1 " (refer to the chart below)

1	=	30 seconds
2	=	45 seconds
3	=	60 seconds
4	=	75 seconds
5	=	90 seconds

If the display shows " L 1 3 ", the phone will ring for 60 seconds (if nobody picks it up) before the call is disconnected.

### PROGRAMMING A PAUSE PERIOD

When storing a phone number, you are able to insert a pause period:

- 1.) after the phone number and before the numeric message (for pagers) or
- 2.) any digits of the phone number

#### 1) To set the pause period for pagers numeric message

1. Press the [L] key, the display will show " L ".
2. Press the [2] key, the display will show " L 2 5 ", the last digit, " 5 ", is the setting of the pause period (in this example, it is currently set at 5 seconds), to keep this setting, press the [L] key.
3. To change the pause period, between 1 to 9 seconds, press ( 1 - 9 ) on the keypad while the display shows " L 2 5 ". If the number 9 is entered, the pause period between the number dialed and the numeric message is 9 seconds.

#### Program pause period between phone number and numeric message

Press the [R/P] key to insert a pause period between the telephone number and the numeric information you want to send. The pause period is the time you have to wait after the connection has been made to the paging company and before you can enter the numeric information (i.e. phone number). The display will show a "P" if a pause period is entered. This pause period is factory set at 5 seconds but can be changed from 1 - 9 seconds. You may also insert multiple pause periods to suit your application. Call the paging company to determine how long the pause period should be.

## ADVANCED PROGRAMMING

### 2) To insert a Pause period within a telephone number

The length of the pause period [L\*] can be programmed as shown.

1. Press the [L] key, the display will show "L".
2. Press the [\*] key, the display will show "L\* 3", the last digit, "3", is the setting of the pause period, (in this example, it is currently set to 3 seconds, as per chart below). To keep this setting, press the [L] key.
3. To change the pause period, press either 1, 2.....or 9 when the display shows "L\* 3".

1 = 1 second	2 = 2 seconds	3 = 3 seconds
4 = 4 seconds	5 = 5 seconds	6 = 6 seconds
7 = 7 seconds	8 = 8 seconds	9 = 9 seconds

When programming a telephone number to the dialer, (see STORING TELEPHONE NUMBERS), a pause period may be added between any digits of a phone number. By using the " \* " key on the keypad, a pause period will be entered. The pause period will be anywhere between 1-9 seconds, (see the beginning of this section to set the length of the pause period). Example, if you wanted a pause between the third and fourth number, the sequence would go as follows, 568\*2095. If the pause period was set at five seconds, there would be a five second delay between the 8 and the 2.

### SET THE TYPE OF PHONE SYSTEM

This dialer supports both regular telephone and PABX phone systems. Selection can be made using the function key. The dialer is currently set for regular phones.

#### To select the phone system:

1. Press the [L] key, display will show an "L".
2. Press the [3] key, display will show "L 3 1", the last digit (1) means the dialer is set for regular phone.
3. To change the setting of the dialer to PABX systems, press [2].  
The display will show "L 3 2" and the system is now set to PABX system.

### PROGRAM THE ID CODE OF A TRANSMITTER

Before any transmitter/sensor/security system can activate the **Dial-Alert**, they must be learned (programmed) to communicate with each other. Once they are learned, the button on the transmitter, a door with the door/window sensor on it is opened, someone walks through an area monitored by the motion sensor or the siren sounds on the security system, the dialer will begin to dial the preset telephone numbers and play the pre-recorded message.

## ADVANCED PROGRAMMING

### To program Skylink's transmitters / sensors / security systems to the Dial-Alert (MS-2001):

1. Press the [L] key, display will show "L".
2. Press the [5] key, display will show "L 5 Id codE".
3. Activate the desired transmitter/sensor /security systems within 5 seconds after pressing the [5] key. Refer to the user's instruction of the sensor to determine how to activate it. Once the transmitter/sensor are learned to the dialer, the display will return to clock mode.
4. To ensure that the sensor has been learned, activate the learned sensor when the dialer is in the clock mode. If the dialer starts dialing the preset phone numbers, the sensor has been learned. To terminate the dialing, press and hold the Panic Button [O] on the keypad for 2 seconds.

### DELETE PROGRAMMED TRANSMITTERS / SENSORS / SECURITY SYSTEMS

Once a transmitter / sensor / security system is learned, it is stored in memory. In order to delete any one of the sensors, first the entire memory must be erased, then re-learn the transmitters / sensors / security systems you wish to use. You cannot erase only one specific sensor, the entire memory must be cleared.

#### To erase transmitters / sensors / security systems from the dialer:

1. Press the [L] key, the display will show "L".
2. Press the [6] key, the display will show "L 6 ErASE".
3. Press the [#] key. If you hear a double beep, all transmitters / sensors / security systems have been deleted.

### TO ARM / DISARM THE DIALER

The dialer can be armed to send messages when the transmitters/sensors that are learned have been activated. You can also disarm the dialer so that it will not be activated even if any of the learned transmitters / sensors are activated. You may choose to disarm the dialer when you are at home and the door / window contact on your front door is active. The dialer is currently set to arm mode.

#### To arm/disarm the dialer

1. Press the [L] key, the display will show "L".
2. Press the [7] key, the display will show "L 7 1". The last digit (1) indicates the dialer is armed.
3. To disarm the dialer, press the [2] key within 5 seconds after pressing the [7] key. When the dialer is disabled, the display will read "L 7 2".

When the dialer is disarmed, the disarm LED light will be on.

## ADVANCED PROGRAMMING

### DELAY DIALING (ENTRY / EXIT MODE)

#### CAUTION:

Delay Dialing should **NOT BE ENABLED** if your dialer is used for health care monitoring. Since this feature will not activate the dialer every time when it receives an emergency signal. We do not recommend you enable this feature if your dialer is used for monitoring human life. This feature is designed **ONLY** to be used in conjunction with Door/Window sensor (WT433) or Motion Sensor (PS433). Please make sure you disable this feature (factory default is disabled) if the dialer is used in conjunction with the Panic Transmitter or any panic buttons which require immediate attention.

The delay dialing serves two purposes. It allows you to leave the premises without activating the dialer and allows you to enter a premises and gives you time to turn off the dialer before it begins to dial. When the delay dialing is enabled, the dialer will be disengaged for a specific period of time (either 30, 45, 60, or 75 seconds) depending on the delay setting, see page 21. This delay dialing allows you to activate any sensor without activating the dialer. Therefore, **DO NOT ENABLE THIS FEATURE IF THE DIALER IS USED FOR HEALTH CARE PURPOSES.**

#### Exiting a premises using the delay dialing

If exiting a premises through a door that is monitored with a door sensor and the delay dialing is set to 0 seconds and the dialer is on, the dialer will dial the preprogrammed telephone numbers everytime you open that door. When the dialer is set to a specified delay, (45 seconds for example) and that door is opened, the dialer will be inactive for 45 seconds, which allows you to leave the premises. The screen on the dialer will display "dELAY" while the delay is on. After the 45 seconds, the dialer is re-activated, the screen returns to clock mode and the dialer is ready to receive an emergency signal from any programmed sensor.

#### Entering a premises using the delay dialing

If entering a premises through a door that is monitored with a door sensor and the delay dialing is set to 0 seconds and the dialer is on, the dialer will dial the pre-programmed telephone numbers immediately once that door is opened or any sensor is activated. When the dialer is set to a specified delay, (45 seconds for example) and that door is opened, the dialer will beep for 45 seconds then begin to dial the preprogrammed telephone numbers. The screen will flash "dELAY" while the dialer is beeping. This 45 seconds allows you to go to the dialer and deactivate it before it begins to dial. To deactivate the dialer, press and holding the red panic button [O] on the keypad for two seconds. If you have successfully aborted the call, the display will go back to clock mode. If the dialer has not been deactivated within those 45 seconds, the dialer will dial the emergency phone numbers.

## ADVANCED PROGRAMMING

### To set the dialing time delay

1. Press the [L] key, the display will show " L "
2. Press the [8] key, the display will show " L 8 1 ". The last digit is the current delay dialing setting.
3. Press either 1, 2, 3, 4 or 5 to set the delay dialing time, (refer to the chart below)

1	=	0 seconds (default)
2	=	30 seconds
3	=	45 seconds
4	=	60 seconds
5	=	75 seconds

### UNIVERSAL DIAL TONE

This feature allows our **Dial-Alert** to be compatible with all phone systems worldwide. When the Universal Dial Tone is off, our **Dial-Alert** needs a dial tone before it will dial the pre-programmed telephone numbers. However, not all phone systems and dial tones are the same. For instance, the dial tone may be different for any phone system which accommodates with the voice message systems or call answer feature. When the Universal Dial Tone is on, our **Dial-Alert** will dial no matter what type of dial tone is present. This Universal Dial Tone is factory set to off. However, you may wish to set it to on if your phone line accommodates with the voice message systems or call answer feature.

#### Turn on the universal dial tone:

1. Press the [L] key, display will show "L".
2. Press the [9] key, display will show " L 9 1 ". The last digit (1) indicates that the universal dial tone detection is turned off.
3. Press the [2] key within 5 seconds after pressing the [9] key to turn on the universal dial tone.

When the universal dial tone is turned off, and no dial tone is detected within 1 minute (after the dialer is activated), the display will show "no LInE" and the backlit keypad will flash. To return to standby mode (Display shows the time), press and hold the panic button [O] for 2 seconds.

### DIAL SEQUENCE SETTING

During an emergency, the dialer can dial the preprogrammed phone numbers in two different sequences.

1. Dials each preprogrammed telephone number once and after the last number is dialed, the dialer goes back to the first phone number. Dials it once then dials the second telephone number once and continues this sequence until the last number is dialed and if the redial is set to "3", it will repeat this sequence one more time.

## ADVANCED PROGRAMMING

2. Will completely dial the first preprogrammed phone number before dialing the second programmed telephone number. If the redial count is set to "3", the dialer will dial the first telephone number three times, then dial the second number three times and continue with this sequence until all the telephone numbers are dialed.

### To program the Dial Sequence Setting

1. Press the [L] key, display will show "L".
2. Press the [0] key, display will show "L0 2" The last digit "2" is the dial setting sequence. It is currently set to dial first number completely, then repeat next sequence.
3. To change the dial setting sequence, enter either "1" or "2" when the display shows "L0 2" (refer to the chart below).

1	=	dialer dials each phone number once, then repeats sequence.
2	=	dialer finishes dialing the first phone number, then begins the second number. (Default setting)

### SENDING THE PRE-RECORDED EMERGENCY MESSAGE USING THE SPEED DIAL

You can also send the same pre-recorded emergency message using any of the speed dial keys. When this feature is on, and [T1], [T2], [T3] or any of the white buttons on the keychain transmitter are pressed, the corresponding telephone number is dialed and the pre-recorded message is sent. This message can be repeated from one to nine times. Once the pre-recorded message is completed, the two parties can communicate through the speakerphone.

### ACTIVATE MESSAGE PLAYBACK AND PROGRAM REPEAT COUNT

The repeat count is the number of times the emergency message will be repeated once a speed dial key is pressed. The dialer is factory set not to send any messages when any of the speed dial keys are pressed.

1. Press the [L] key, display will show an "L".
2. Press the [#] key, display will show "L# 0", the last digit (0) means that the message will not be played.
3. To change the repeat time, press either 0 - 9 when the display shows "L# 0"

0	=	No playback message (Default setting)
1 to 9	=	Numbers of times message is repeated.

### ENABLE / DISABLE SPEAKERPHONE FOR ALL 9 EMERGENCY PHONE NUMBERS

You can enable the speakerphone feature for all 9 emergency phone numbers. If this feature is enabled, the speakerphone will be turned on after the emergency message has been played.

## ADVANCED PROGRAMMING

Important: When the speakerphone is enabled, it requires the recipients to enter command in order to successfully connect and disconnect the speakerphone. Therefore, please make sure all the recipients know the instruction of how to control the Dialer. Detailed instruction for the recipients can be found on page 27.

To enable / disable speakerphone for 9 emergency phone numbers:

1. Press [L], [#].
2. Press [\*] to enable the speakerphone, or [#] to disable this feature.

In order to start the speaker phone conversation, the recipient has to activate the microphone of the emergency dialer by pressing [#], [\*]. For more detailed information, please refer to page 27 - Instruction for the recipient.

When the conversation is over or if the recipient wants to terminate the call, the recipient can press the [#], [9] key to terminate the call. The dialer will call the next emergency phone number upon receiving the [#], [9] signal from the recipient.

Note: If the caller presses the [HOOK] key on the MS-2001 at the end of the conversation, it will terminate the conversation. However, the dialer will not continue to call the rest of the emergency phone numbers because it is not a proper way to disconnect a call. Therefore, the caller should not press the [HOOK] key on the MS-2001 to disconnect the line. The caller should instead have the recipient to disconnect the line by pressing [#], [9] in order to keep the dialer calling to the rest of the emergency phone numbers.

### Password to terminate an emergency call

Users can assign a 4-digit password allowing the recipients to terminate the emergency message and stop the dialer from dialing. Once the recipient receives the emergency message, she/he can enter this password to terminate the dialer from calling the rest of the phone numbers. Since the dialer will stop calling once the password is entered, therefore the recipient should know exactly the situation and emergency of the caller before terminating the call. This password should only be given to the relatives or close friends.

To assign the 4-digit password

1. Press [L], [0], [5]
2. Enter the 4-digit password
3. Press [\*]

You will hear 2 beeps from the dialer to confirm the operation.

Note:

The factory default password is "1234".

The password cannot be started with the number "9". If the number "9" is assigned as the first digit, the dialer will emit a long beep indicating you have entered a wrong command.

Please refer to page 27 - Instruction for the recipient for more detailed information of how the recipients can terminate the call with the password.

## ADVANCED PROGRAMMING

### TIME OUT PERIOD DURING SPEAKER PHONE MODE

There is a time limitation for the speaker phone conversation. The default setting is 3 minutes, which means the speaker phone will only be activated for 3 minutes after the emergency message is played. After this period of time, the dialer will disconnect the phone line and proceed to the next number unless a time extension is given by the recipient. This time out period can be program from 1 minute to 8 minutes. Follow the procedure below to change the time out setting and how to extend the time out period.

To modify the duration of the time out period:

1. Press [L], [0], [7]
2. Enter the number of minutes that you would like to extend for the speaker phone conversation, ranging from [1], 1 minute (minimum) to [8], 8 minutes (maximum).

For example, [L], [0], [7], [6] will result with a 6 minutes speaker phone time out. Therefore, the phone line will be disconnected after the speaker phone is turned on for 1 minute.

Note: As mentioned before, an extension can be given by the recipients. Therefore, even if the time out period is set to 1 minute, the recipient can extend the time out period in order to continue in the speaker phone mode.

### EXTEND THE TIME OUT PERIOD FOR SPEAKER PHONE

The speakerphone time out period can be extended by the recipient. When the time remaining for the speakerphone conversation reaches 30 seconds, the Emergency Dialer will emit 4 warning tones to alert the caller and the recipient that the the speaker phone will be turned off 30 seconds later. During this 30 seconds, the recipient can extend the time out for another 2 minutes by entering the following command.

To extend the time out period for speaker phone, the recipient has to press [#], [\*] after the 4 warning tones. Once the extension is confirmed, the dialer will emit 2 beeps to indicate the extension is accepted and therefore the speaker phone will be turned on for another 2 minutes.

Recipient can extend the time out period as many time as necessary.

## SPECIAL FEATURES FOR MORITORING STATION

The following features are only available for the users who have connected their Emergency Dialer MS-2001 to a Skylink Authorized Monitoring Station.

### PANIC INFORMATION TRANSMISSION

The MS-2001 is able to send the patient's information to the monitoring station. This information include the users name, address, phone number etc. Follow the instruction below to enable / disable the panic information transmission.

Enable / Disable Panic information transmission

1. Press [L]
2. Press [0]
3. Press [3] to enable the panic information transmission, or press [4] to disable this feature.

You will hear 2 beeps from the dialer to confirm the operation.

Once the feature is enabled, the panic information will be sent out every time the dialer is activated. The user's information will be shown as numbers on the MS-2001 display. The monitoring station will be able to translate these numbers into user's information.

### ASSIGN PANIC INFORMATION TO THE DIALER MS-2001

Each dialer and panic transmitter has its own identities. A 3-digit ID is assigned to each dialer, so when the dialer is activated, this 3-digit ID will be sent to the monitoring station to distinguish which dialer is calling for help. Each dialer is capable to work with up to 16 different panic transmitters. Therefore, a 2-digit ID from "01" to "16" will be assigned to each panic transmitter. When one of the panic transmitters is activated, the dialer will send the panic information to the monitoring station. This panic information includes the 3-digit ID of the dialer, and the 2-digit ID of the panic transmitter. Therefore, the monitoring station will be able to locate the person who is calling for help based on the dialer ID and the panic transmitter ID. The 3-digit ID for the dialer is assigned by the Skylink's Authorized Monitoring Station, please call your local Skylink's Authorized Monitoring Station to get the 3-digit dialer identity number. Once you have received this 3-digit ID, follow the instruction below to enter this 3-digit ID to the dialer.

To assign the 3-digit dialer ID

1. Press [L], [0], [6]
2. Press the 3-digit dialer ID
3. Press [\*]

You will hear 2 beeps from the dialer to confirm the operation.

Note: The default 3-digit dialer ID is "000".

## SPECIAL FEATURES FOR MORITORING STATION

### ASSIGN THE 2-DIGIT PANIC TRANSMITTER IDENTITY

The 2-digit panic transmitter ID is assigned to the dialer automatically. The 2-digit ID of first programmed panic transmitter will be "01", the ID for the second programmed panic transmitter will be "02" etc. The ID for the last programmed panic transmitter will be "16" (since the maximum number of panic transmitter for each dialer is 16). Do not try to program more than 16 transmitters to the dialer. Once the 17th transmitter is programmed to the dialer, the first programmed transmitter will be erased, and all the programmed transmitters will shift up by one spot. Therefore, the 17th programmed transmitter will become 16th. The 2nd programmed transmitter will now become the first with the transmitter ID of "01".

Note: If the panic button on the keypad is pressed, the 2-digit ID of this panic button is "00".

## INSTRUCTION FOR THE RECIPIENT

There are several things that your recipients should know in order to successfully receive and terminate an emergency call from your MS-2001. Make sure your recipients understand what to do when they receive your emergency call. Therefore, it is a good idea to give them a copy of this page for their reference.

### 1. Stop the emergency message or speakerphone conversation of the existing call, then let the MS-2001 to advance to the next phone number, if any.

The purpose for this termination is for those recipients who would like to disconnect the call when they acknowledge the reception of the emergency message. This termination will disconnect the existing call and advance to the next phone number.

1. When the message is playing, press [#]. This will stop the message from playing. If the message does not stop, press [#] again until the message is stopped before proceeding to step 2.
2. Press [#], [9].

### 2. Stop the emergency message or speakerphone conversation of the existing call AND all the remaining calls.

Recipients can stop either the existing call only (follow the above procedure as described in 1.) or stop the MS-2001 from calling all the remaining phone numbers. This termination will result in disconnecting the existing call and stop calling all the remaining phone numbers. Since this termination will stop the dialer from calling all the phone numbers, so the recipient must know exactly the situation and emergency of the call before terminating it. The process of this termination requires a 4-digit password which is set by you, the owner of the MS-2001. You should only give this password to somebody you trust, i.e. your relatives or close friends.

1. When the message is playing, press [#]. This will stop the message from playing. If the message does not stop, press [#] again until the message is stopped before proceeding to step 2.
2. Press [#] again.
3. Enter [4-digit password], [\*].

Note:

The factory default password is "1234".

The line is now disconnected, this allows your recipients to call you back if necessary.

Please refer to page 23 - Assign password to terminate an emergency call.

## INSTRUCTION FOR THE RECIPIENT

### 3. Activate the microphone of the MS2001 for speakerphone conversation.

Once the emergency message is finished, the speakerphone feature may be turned on depending on whether this feature is enabled or not. Please see p.22 for detailed information of how to enable / disable this feature. If this feature is enabled, the recipient has to activate the MS-2001 microphone in order to start the speakerphone. In order to activate the microphone of the MS2001 after the message is played, the recipients have to press [#], [\*].

The microphone can also be turned on during the emergency message, the recipient has to press [#] to stop the emergency message. If the message does not stop, press [#] again until the message is stopped. Press [#], [\*] will turn on the microphone.

### 4. Disconnect the call after conversation

Once the speakerphone conversation is over, the recipient should disconnect the call by pressing [#], [9] instead of just hanging up the phone. This will terminate the conversation and the MS-2001 will advance to the next phone number. The recipient can also enter the 4-digit password described in step 2 to terminate the existing call and the remaining calls.

### 5. Extend the time out for speakerphone conversation

As mentioned before, the speaker phone time period can be extended by the recipient. When the time out period reaches 30 seconds (meaning there is only 30 seconds left in the speakerphone mode), the Emergency Dialer will emit 4 warning tones to alert the caller and the recipient that the phone line will be disconnected after 30 seconds. During this 30 seconds, the recipient can extend the time out for another 2 minutes by pressing [#], [\*] after the 4 warning tones.

Once the extension is confirmed, the dialer will emit 2 beeps to indicate the extension is accepted and therefore the speaker phone will be turned on for another 2 minutes.

Recipients can extend the time out period as many time as necessary.

## BATTERY MAINTENANCE

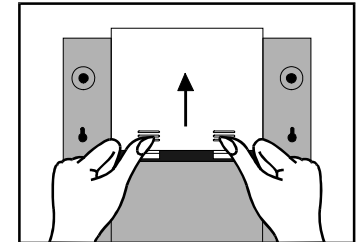
The keychain transmitter comes with one 12-volt alkaline battery. We recommend that you test the system periodically to ensure that the battery is working.

### DIAL-ALERT BATTERY

The six "AA" batteries (not included) in the dialer are for backup in case the electrical power is interrupted for any reason. When the batteries are low, the LOBATT. light goes on which is located on the front of the dialer.

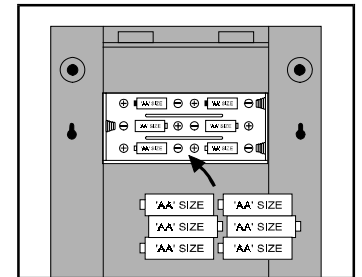
### TO REPLACE THE BATTERIES

1. Turn the unit over and remove the battery cover by sliding the cover.
2. Remove the old batteries and replace them with the new batteries.
3. Re-install the battery cover.



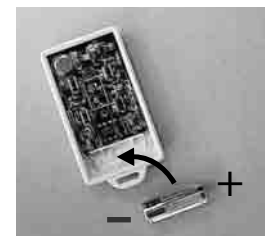
Battery life is approximately two years if used for backup only.

If the AC adapter is disconnected while the batteries are being replaced, the pre-recorded message will be erased and the clock will return to 12:00. To re-record the emergency voice message and set the clock, refer to page 11.



### TO REPLACE THE BATTERIES IN THE KEYCHAIN TRANSMITTER:

1. Remove the two screws located on the back of the transmitter and remove the back.
2. Replace the old battery.
3. Reinstall the cover with the two screws.







## EMERGENCY DIALER QUICK GUIDE

<b>FUNCTIONS</b>	<b>FEATURE</b>	<b>DEFAULT DISPLAY</b>	<b>SETTINGS</b>
[L] + [1] + [d]	TO SET CALLING TIME	L1 3	1 = 30, 2 = 45, 3 = 60, 4 = 75, 5 = 90 seconds.
[L] + [2] + [d]	TO SET PAUSE TIME FOR PAGERS NUMERIC MESSAGE	L2 5	1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5, 6 = 6, 7 = 7, 8 = 8, 9 = 9 seconds.
[L] + [3] + [d]	TO SET PHONE SYSTEM	L3 1	1 = Regular phone 2 = PABX
[L] + [4]	TO SET CLOCK (HOUR:MINUTE)	L4 12:00	The clock is in 24 hour mode
[L] + [5]	TO LEARN ID CODE OF TRANSMITTERS/ SENSORS	L5 Id code	Activate the transmitter/sensor within 5 sec.
[L] + [6] + [#]	TO ERASE TRANSMITTERS/SENSORS FROM THE SYSTEM	L6 ErASE	
[L] + [7] + [d]	TO ARM/DISARM THE SYSTEM	L7 1	1 = ARM 2 = DISARM
[L] + [8] + [d]	TO SET EXIT/ENTRY DELAY DIALING	L8 1	1 = 0, 2 = 30, 3 = 45, 4 = 60, 5 = 75 seconds.
[L] + [9] + [d]	TO SET UNIVERSAL DIAL TONE	L9 1	1 = OFF 2 = ON
[L] + [0] + [d]	TO SET REDIAL SEQUENCE	L0 2	1 = Dials each phone number once, then repeats sequence. 2 = Finishes dialing first phone number, then begins the second number.
[L] + [*] + [d]	TO SET DIALING PAUSE TIME	L* 3	1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5, 6 = 6, 7 = 7, 8 = 8, 9 = 9, 0 = 10 seconds.
[L] + [#] + [d]	TO SET NUMBERS OF PLAYBACK MESSAGE IN SPEED DIALING (T1, T2, T3) OF MS-2001	L# 0	0 = No playback message. 1 - 9 = Numbers of playback message.
	TO RESET THE DIALER AND RETURN TO CLOCK MODE; [0] ON THE KEYPAD FOR 2 SECONDS		PRESS AND HOLD THE RED PANIC KEY
NOTES : [d] = NUMERIC CHOICE (see SETTINGS column)			

## ADDITIONAL ACCESSORIES

Additional sensors and transmitters as well as add on accessories are available to work with your Emergency Dialer.

### **Motion Sensors (PS-433)**

- Monitors area in a 110 degree ARC and up to 10 meters away from the sensor
- On/Test mode selection
- 9V alkaline battery included



### **Door/Window Sensor (WT-433)**

- Attaches to all doors, windows, entrances
- Add on as many magnetic switch (MS-001) as needed
- 12V alkaline battery included



### **Magnetic Switch/Magnet (MS-001)**

- Used in conjunction with Door/Window Sensor (WT-433)
- Add on for additional doors, windows



### **Keychain Transmitter (4B-434)**

- Activates Security Control Panel (SC-001) instantly by pressing panic button
- Arm/Disarm Security Control Panel (SC-001)
- Reliable design, crystal base transmission with microcontroller
- 12V alkaline battery included



### **Security Control Panel (SC-001)**

- Four alarm modes (Day, Night, Away, Chime)
- Four zones, each zone controls up to 6 devices
- Reliable design with microcontroller
- 110dB siren



## ADDITIONAL ACCESSORIES

### **Audio Alarm (AA-433)**

- Additional indoor/outdoor siren
- Water resistant
- 110 dB siren with flashing LED
- Operates by AC adapter with 9V alkaline battery back up included



### **Silent Alarm (SW-433)**

- Plugs into any AC outlet, then plug light into Silent Alarm unit
- Light flashes when sensor(s)/transmitter(s) is (are) activated
- Silently alerts occupants including the hearing impaired



### **Vibration Sensor (VS-433)**

- Activates Emergency Dialer when vibration is detected
- attach vibration sensor to valuables, (stereo system, antiques)
- 9V alkaline battery included



### **Water Resistant Panic Button Transmitter (PT-434)**

- Activates Security Control Panel and Emergency Dialer by pressing the panic button when under duress
- Ideal for Seniors, Handicapped and Disabled
- Water resistant, carry transmitter all the time
- Operates using lithium batteries included



### **Keypad Control (KP-433)**

- Function as an external keypad or secondary control location
- Use the keypad to arm/disarm the Audio Alarm (AA-433)
- Eliminates the need to walk through your premises to your Security Systems Control Panel
- Operates using lithium batteries included



## ADDITIONAL ACCESSORIES

### **Alarm Sensor (SS-433)**

- Detects sound frequencies of existing smoke, carbon monoxide alarms
- Activates Security Control Panel (SC-001) or Emergency Dialer (AD-433S) when the preset sound frequency is detected
- 9V alkaline battery included



### **Audio Sensor (AS-433)**

- Detects alarm sound from existing security system alarm; sends signal to Dial-Alert.
- Eliminates need for monitoring service.
- 9V alkaline battery included



### **Keychain Transmitter (4B-433A)**

- Activates and deactivates the Audio Alarm (AA-433) at the push of a button
- Reliable design with microcontroller
- 12V alkaline battery included



### **Garage Door Sensor (GS-433)**

- Places sensor on garage door
- Activates Security Control Panel (SC-001) when the garage door is opened
- 12V alkaline battery included



### **Temperature Sensor (TS-433)**

- Monitors temperature of a specific area (i.e., greenhouse, horse farms, laboratory etc.)
- Activates Security Control Panel (SC-001) or Emergency Dialer (AD-433) when the temperature of the monitored area is above or below a preset temperature
- Temperature range: 0°F (-19°C) to 159°F (69°C)
- Operates using lithium batteries included



### **Flood Sensor (FS-433)**

- Place sensor along basement wall, near water heater, washing machine etc.
- Notifies Security Control Panel (SC-001) or Emergency Dialer (AD-433S) when water is detected
- 12V battery included

