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**ENVIROMUX® Series**

# **E-AVDS-CELC-V2**

## **Automatic Voice Dialer System Installation and Operation Manual**

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**CHANGES**

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### INTRODUCTION

The E-AVDS-CELC-V2 is an automatic voice dialer system the when used in conjunction with the ENVIROMUX Enterprise Environment Monitoring System can call up to 20 pre-programmed numbers and provide a recorded message communicating the status of a sensor.

#### Features:

- Calls up to 20 telephones or cell phones when a sensor goes out of range of a configurable threshold.
  - In single message mode, all phone numbers will be dialed when either input is triggered.
    - Record a single voice message up to 20 seconds.
  - In double message mode, phone numbers 1-10 will be dialed when Input 1 is triggered, and phone numbers 11-20 will be dialed when Input 2 is triggered.
    - Create two recorded voice messages of up to 10 seconds each.
- Two input channels.
  - E-2D: supports one input channel.
  - E-5D and E-16D: supports two input channels.
- Interfaces with the E-2D/5D/16D via the Output Relay connections.
- Powered by the E-2D/5D/16D.
  - Current consumption: 100mA @ 12VDC.
- For normally open circuit connections.
- Dimensions WxDxH: 3.94x5.51x1.38 in (100x140x35 mm)
- Regulatory approvals: CE, RoHS

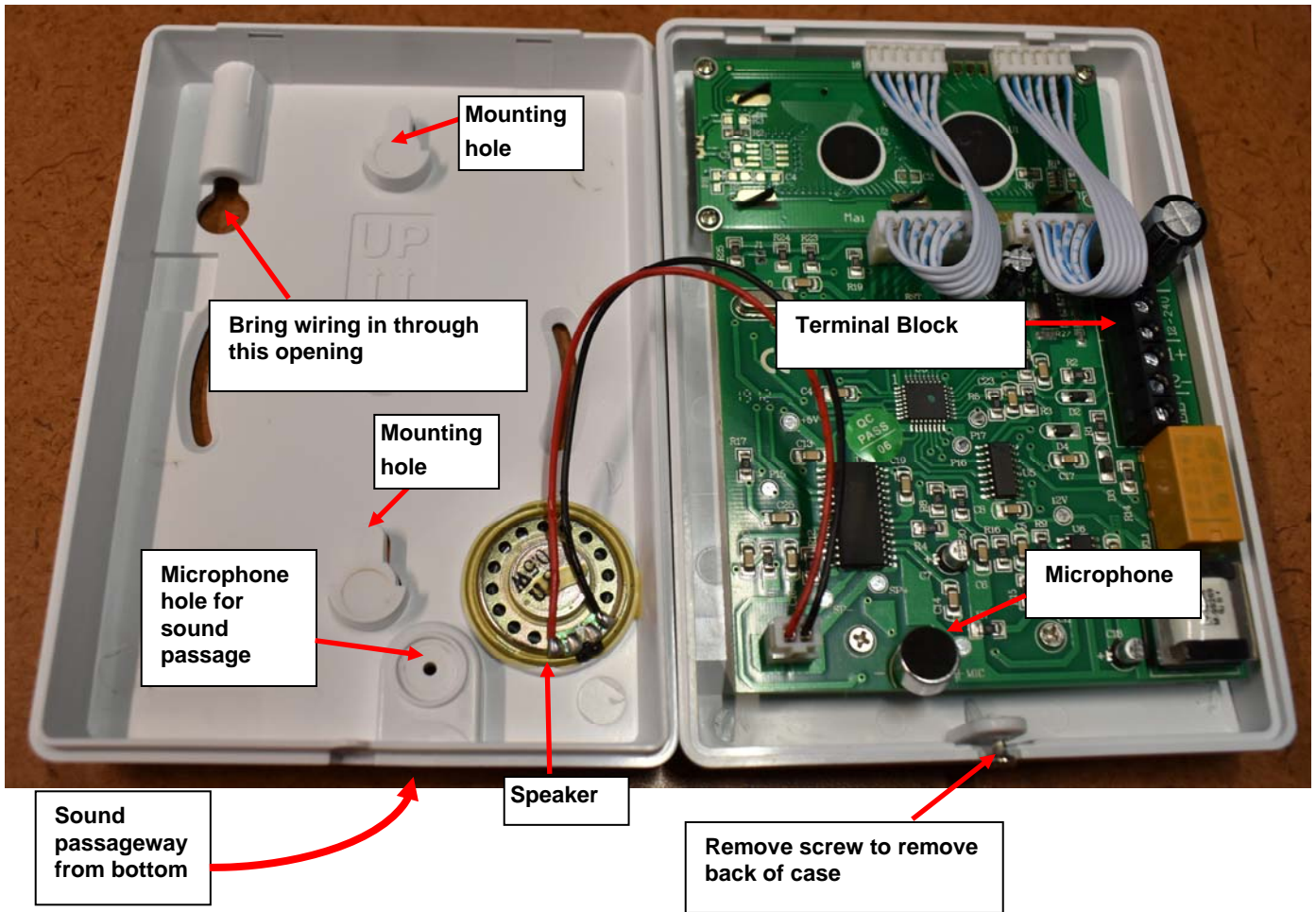
### MATERIALS

#### Materials supplied with this kit:

- NTI E-AVDS-CELC-V2 Automatic Voice Dialer
- URL Slip with link to this manual

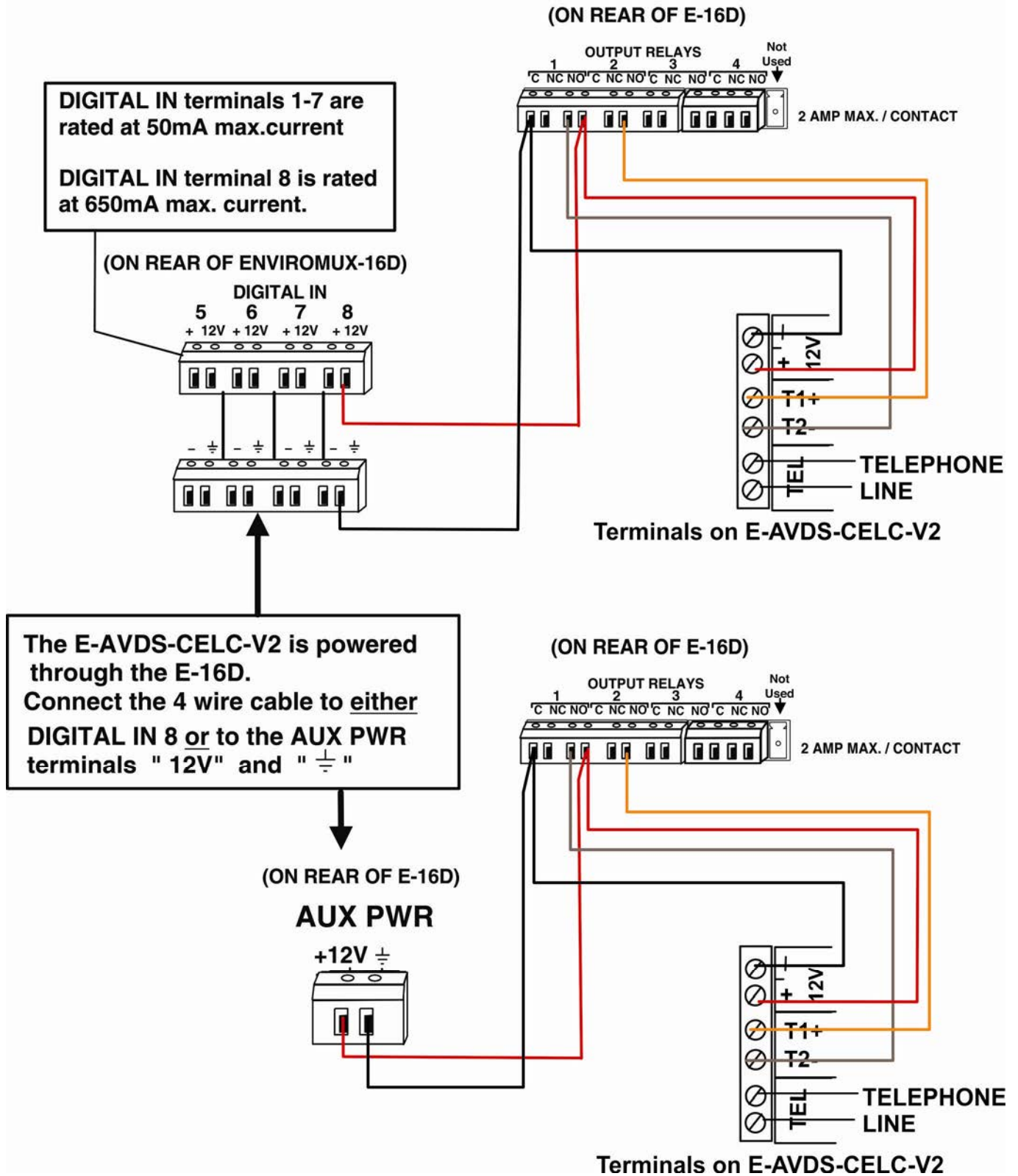
## WIRING

The E-AVDS-CELC-V2 can be wired to be powered directly by most ENVIROMUX model monitoring systems. A terminal block is located inside the case, accessed by removing the screw at the bottom of the unit. When 12VDC @ 100mA is not available, an external 12V power supply must be used. The Automatic Voice Dialer can be ordered with a power supply by ordering E-AVDS-CELC-PV2. See next pages for examples of wiring methods for the various ENVIROMUX models it can be connected to.

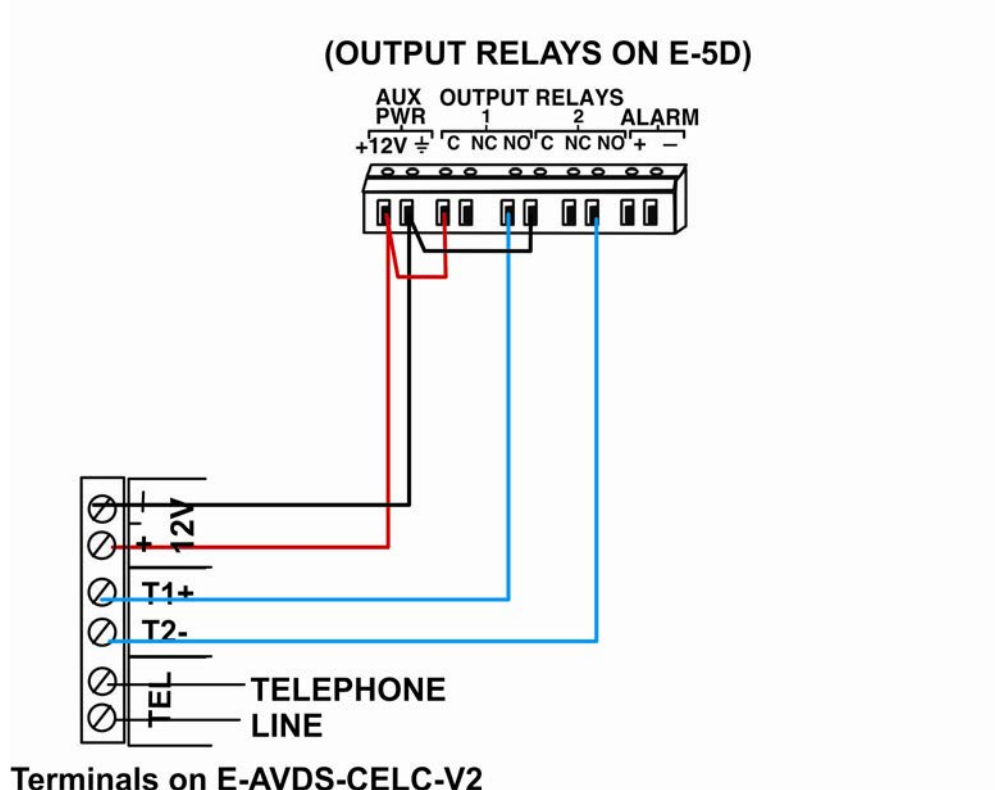


When mounting the dialer, do not block the passageway as sound must enter to record messages.

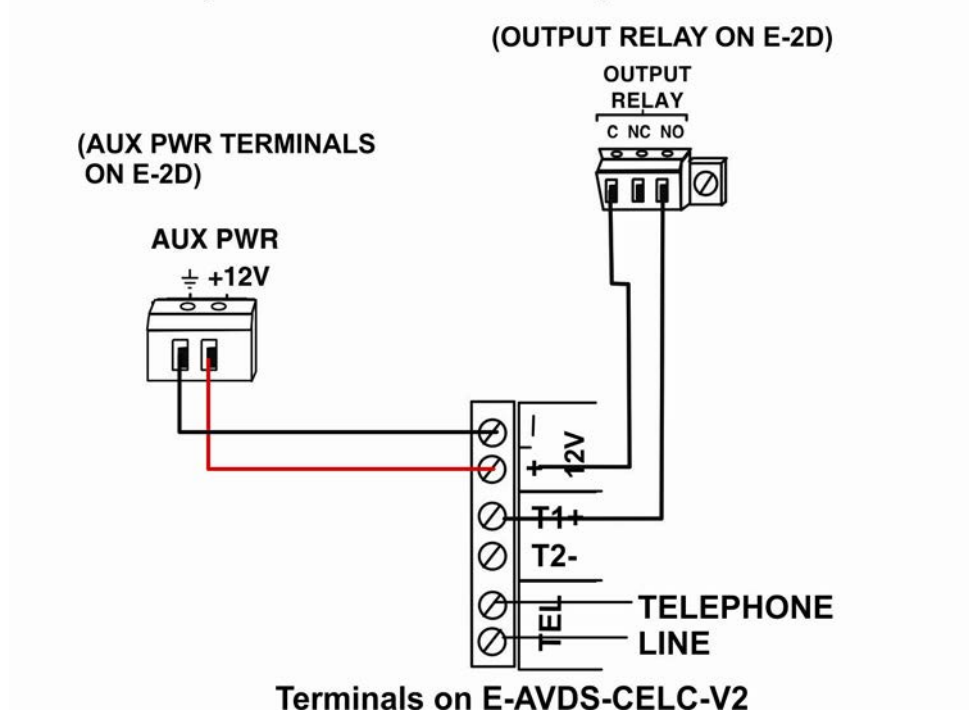
**Example of schematic for wiring E-AVDS-CELC-V2 to E-16D**



**Example of schematic for wiring E-AVDS-CELC-V2 to E-5D**

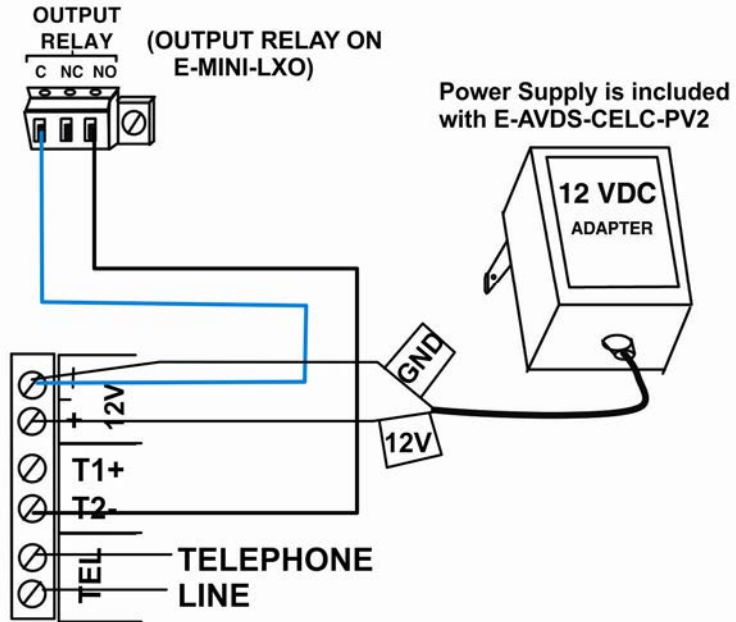


**Example of schematic for wiring E-AVDS-CELC-V2 to E-2D  
(Alarm 1 is shown wired)**



**Example of schematic for wiring E-AVDS-CELC-PV2 to E-MINI-LXO**

(Alarm 2 is shown wired)



Terminals on E-AVDS-CELC-PV2



## SETTING UP THE DIALER

### To Record a Voice Message

1. Press MESSAGE button.
2. Press the ENTER button.
3. The dialer will sound a beep for two seconds to indicate it is ready to record. Speak clearly into the microphone for up to 20 seconds.
4. When finished, press ENTER button.

Note: If your message is a full 20 seconds in length, pressing ENTER is not necessary. Before continuing, see "Message Modes" on page 8.

### To Playback the Recorded Voice Message

1. Press MESSAGE button.
2. Press CHECK button.
3. The message will be played.

### Entering Phone Numbers

1. Press the MEM button.
2. Press the memory number to associate with this phone number (1-20). I.e. 1 will be for the first phone number, 20 will be for the last phone number.
3. Press ENTER button.
4. Enter the phone number (max. 16 digits), then press ENTER button twice.
5. LCD will display "Saved" to indicate the number was saved into memory.

Press \* (asterisk) button to cancel if you are entering a number but decide to quit in the middle of it.

If you need a pause between numbers dialed (for example when entering a country code, and then the phone number) press the # button to insert a 2 second pause, or ## for a 4 second pause (and so on) before dialing the remaining numbers.

If the number you entered is actually 16 digits in length, you will not need to press the ENTER button twice to save the number. The dialer will automatically save it to memory after the 16th digit.

If you enter less than 20 phone numbers, the dialer will automatically stop after the last number that was saved into memory. The dialer will only dial the numbers placed in memory, even if you skipped memory positions. For example, if you save "911" into MEM5 and "411" into MEM15, the dialer will start with MEM5, go to MEM15, and then restart at MEM5.

### Check the Phone Number(s) in Memory

1. Press MEM button.
2. Enter the memory number for the desired phone number (1-20).
3. Press CHECK button. The number associated with the memory button will be displayed.

Pressing CHECK a second time will display the next memory number in the screen.

After the 20th number in memory has been checked, the dialer display will show settings including type of dialing system and type of trigger. To quickly show settings, press MEM - 20 - CHECK. Settings will be displayed after phone number 20 (if any) is displayed.

### Dialing Test

Practical test of the entered phone number(s):

1. Press MEM button.
2. Enter the memory number for the phone number to be tested (1-20).
3. Press MESSAGE button.

The dialer will dial the number in memory and play the message twice when the recipient picks up.

To stop the message playback, pick up the phone or press the ENTER button. Note: Pressing ENTER while the dialer is dialing a number will have no effect. It only works to stop playback.

### Delete Alarm Phone Number(s)

1. Press MEM button.
2. Enter the memory button to be deleted (1-20).
3. Press ENTER button twice.

### Factory Reset

1. Disconnect power from the dialer.
2. Press and hold ENTER button.
3. Reconnect the power source to the dialer.
4. After "RESET" is displayed on the LCD, release the ENTER button.

All phone numbers and the recorded message will be deleted and all settings will be restored to default.

## Trigger Modes

A trigger signal must last at least 3 seconds for the dialer to be activated.

The default trigger mode is Trigger Mode 1:LEVEL TRIGGER. If this is the mode you want to use, programming this trigger mode is not necessary.

### Trigger Mode 1: LEVEL TRIGGER

In this mode, once the trigger signal stops, the dialer will finish the current dialing and stop. I.e. If it stops after 4 seconds, only the first number in memory will be dialed.

1. Press the MEM button.
2. Press the # button 3 times.
3. Press the 3 button.
4. "LEVEL TRIGGER" will be shown on the LCD.

### Trigger Mode 2: EDGE TRIGGER

In this mode, once the trigger signal has elapsed 3 seconds, the dialer will dial all of the phone numbers in memory.

1. Press the MEM button.
2. Press the # button 3 times.
3. Press the 4 button.
4. "EDGE TRIGGER" will be shown on the LCD.

In this mode, if you want to stop dialing quickly, press and hold the ENTER button for several seconds until the dialer exits the trigger mode, indicated by the sound of one beep that may last for several seconds

In both modes, if the trigger signal continues after all numbers have been dialed, the dialer will start from the beginning and call the numbers again.

## General Functions

### Turning Off the LCD

The LCD Display will illuminate for 2 minutes at the end of each activity, then shut off automatically. Press any key to re-illuminate the display.

### Testing the Alarm

If the negative wire of the trigger connects to Terminal T2, or a 12V positive wire connects to Terminal T1, for 3 seconds, the dialer will sound a beep and start dialing.

After each number dialed, the dialer will playback the message twice.

### Status of Alarm Condition

If the alarm signal continues after the message has been played to the recipient, the recipient will hear 3 beeps after each message playback. If the alarm signal stops, the recipient will hear only 1 beep.

### Alarm Memory

If an alarm occurs while you are away, the dialer will show on the LCD "ALARM 1" if Trigger 1 was active, "ALARM 2" if Trigger 2 was active, or "ALARM 1 & 2" if both triggers were active. Press any button on the dialer to clear it.

## Dialing Systems

The Dialer has two kinds of dialing modes: Tone Dialing and Pulse dialing

The default setting is Tone Dialing, so if you are using Tone Dialing, this setup step is not necessary.

### TONE DIALING

To activate Tone Dialing:

1. Press the MEM button
2. Press the # button
3. Press the 1 button
4. "TONE DIALING" will be displayed on the LCD.

### PULSE DIALING

To activate Pulse Dialing:

1. Press the MEM button
2. Press the # button
3. Press the 2 button
4. "PULSE DIALING" will be displayed on the LCD.

### Message Modes

This dialer can be setup to use a single message (One Message Mode) to contact up to 20 phone numbers, or two messages (Two Message Mode) used to contact 10 phone numbers with the first message and 10 others with the second, each with separate triggers.

In Two Message Mode the dialer acts like two separate dialers.

- When Trigger 1 ( T1+) is triggered, the dialer starts dialing phone numbers in memory positions 1-10 and will playback the recording for the first message.
- When Trigger 2 (T2-) is triggered, the dialer will dial phone numbers in memory positions 11-20 and will playback a recording for the second message.

The default setting is One Message Mode, so if you are using one message, this setup step is not necessary.

#### Choose the Two Message Mode

1. Press the MEM button.
2. Press the # button 3 times.
3. Press the 6 button.
4. "TWO MESSAGE" will be shown in the LCD display.

#### Choose the One Message Mode

1. Press the MEM button.
2. Press the # button 3 times.
3. Press the 5 button.
4. "ONE MESSAGE" will be shown in the LCD display.

If you switch between Two Message Mode and One Message Mode, the recorded messages will be erased.

#### Two Message Recording

In Two Message Mode each message has a maximum duration of 10 seconds.

1. Press the MESSAGE button.
2. Press the 1 or 2 button (1 for the first message or 2 for the second message)
3. Press the ENTER button.
4. After a beep record a message up to 10 seconds long.

#### Playback Message in Two Message Mode

1. Press the MESSAGE button.
2. Press the 1 or 2 button (1 to play the first message or 2 to play the second message)
3. Press the CHECK button.
4. The dialer will playback the message.

## TECHNICAL SPECIFICATIONS

Max. # of stored phone numbers	20
Max. # of digits per phone number	16
Recording (message) duration	10 seconds each for Two Message Mode 20 seconds for One Message Mode
Input Voltage	10 to 13.8 VDC
Standby Current	40mA
Max. Operating Current	100mA
Alarms	1- 12V Triggered alarm 1- 0V Triggered alarm
Dialing Method	Pulse or Tone
Power Supply	Powered by ENVIROMUX
Size WxDxH	3.94 x 5.51 x 1.38 In. (100.00 x 140.00 x 35.00 mm)
Approvals	CE, RoHS

## WARRANTY INFORMATION

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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