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AD3 VOICE ALARM DIALER

1. DESCRIPTION

The AD3 Voice Alarm Dialer sets new standards for conventional voice alarm dialers. When your alarm system triggers any of the inputs, AD3 dials up to eight numbers and delivers a personally recorded alarm message for each input. This compact box hosts a rich feature set at an affordable price.

1.1 FEATURES

- ❑ Compatible with ALL Phasefale Systems
- ❑ Eight alarm inputs
- ❑ Eight user recordable alarm messages
- ❑ Called party is able to stop the alarm dialer or make it skip their number
- ❑ Pulsed or latched alarm input trigger
- ❑ Dry Contact start (Voltage start to order)
- ❑ Programmable N/O or N/C inputs (N/C=default)
- ❑ Compatible with almost any type of alarm sensor, system or panel
- ❑ Works on a PSTN direct line (can be shared), PABX or VoIP analogue extension
- ❑ 12Vdc powered- power from Phasefale TACm/PSB30 battery backup (optional)
- ❑ Eight number dial
- ❑
- ❑ Programmable PIN access to programming
- ❑ Two controllable Relay outputs
- ❑ Programmable Message Repeat counter
- ❑ Service tone detection
- ❑ Also compatible with central monitoring equipment
- ❑ ACA Approved

Designed & Manufactured in Australia

4.1 Notes:

- ❑ After programming as per the above codes, push off the Answer switch.
- ❑ Alarm dialing commences on the application of a dry contact (or optionally 12Vdc nom.) to any of the eight alarm inputs.
- ❑ The AD3 can be internally modified to commence dialing on the application of a voltage across any of the alarm inputs. This is identified by + and – symbols on the alarm input terminals.
- ❑ Alarm messages are repeated until the Message Repeat counter expires or the called party cancels the alarm with # or 0. The time that AD3 rings each number can be increased by increasing the number of Message Repeats and/or simply repeating the alarm message when you record it (to make a longer alarm message).
- ❑ If called party presses #, their number will be skipped for that alarm incident but other numbers in the dial list will continue to be dialed.
- ❑ If called party presses 0, alarm dialing will stop for all alarm numbers, for the current incident(s).
- ❑ If the Alarm Input mode is LATCHED, dialing continues until alarm input is reset or the called party presses # or 0.
- ❑ If the Alarm Input mode is PULSED, dialing continues for a total of four dialing cycles where each number is dialed four times in sequence (1-2-3-4-5-6-7-8, 1-2-3-4-5-6-7-8, 1-2-3-4-5-6-7-8, 1-2-3-4-5-6-7-8) or until the called party presses # or 0.
- ❑ If an alarm dial number is busy, the next number in dial list will be dialed.
- ❑ Alarm dial numbers can simply be overwritten without first erasing them.
- ❑ Erasing an alarm dial number means that it will be skipped.
- ❑ Alarm Messages can't be erased but they can simply be re-recorded.

5. SPECIFICATIONS

Enclosure	Injection molded ABS.
Dimensions	40 mm x 225 mm x 165 mm.
Operating Voltage	12Vdc, 300mA
Operating Temperature Range	-10 → +60 ° C.
Voice Recording /Playback	
Input Sample Rate	8 kHz.
Upper pass band	3.4 kHz.
Message retention	100 years.
Record Cycles	100, 000.
Messages length	Up to 30 seconds per input (4 minutes).
Output level	-13.5 → 0 dBm adjustable.
Frequency range	300 Hz → 3.4 kHz.
Line Interface	Two wire analogue ring in, loop out.
Line Connector	RJ12.
Alarm Connectors	Mini screw/clamp terminals
Power Connector	2.1 mm dc concentric
Displays (LEDs)	Power on, Relays 1 & 2 activated, Tone detected & Line Seized.
ACMA Supplier's Code Number	N468.
Warranty	Two years.

6. ACRONYMS

*	Star
#	Hash (sometimes called 'pound' sign)
ABS	Acrylonitrile butadiene styrene plastic
kHz	Kilohertz (1000 Hz)
LED	Light Emitting Diode
mA	Milliamps
N/C	Normally Closed
N/O	Normally Open
P	Dialing Pause
RJ12	Registered Jack number 12 (6P, 4C)
AD3	Voice Alarm Dialer
Vdc	Volts, direct current

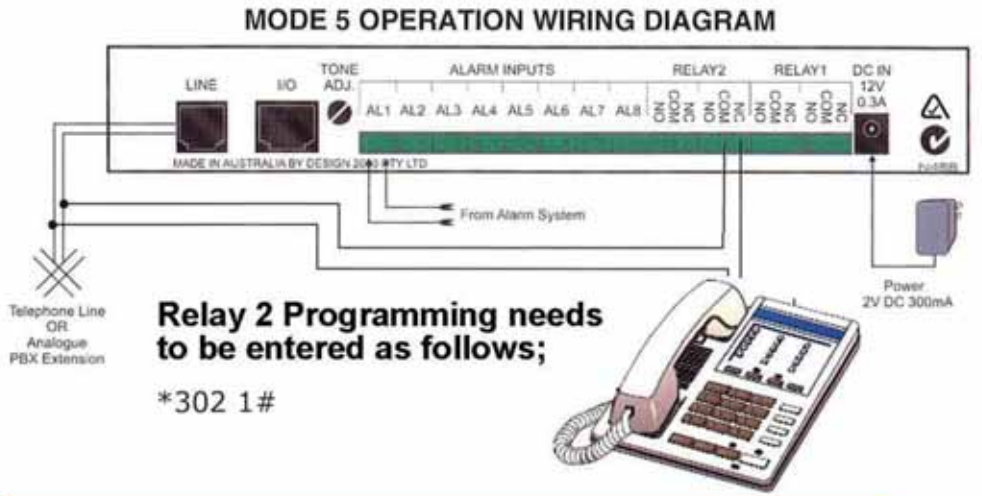
7. SIMPLE TEST PROCEDURE

First ensure 12V power is supplied to the AD3, as indicated on the front panel red LED.

To check your dialer after programming, unplug the AL1 jack which should immediately trigger a dial out message to the first programmed number and play the recorded message.

After test re-plug the AL1 connector to stop the alarm.

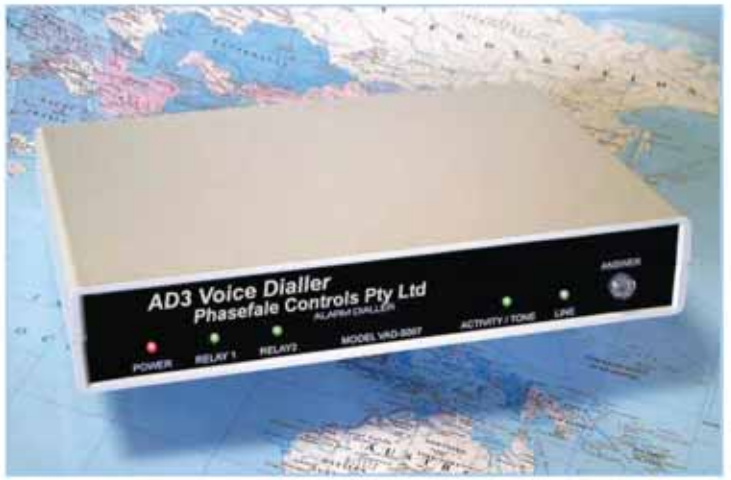
Wiring to ensure AD3 "siezes" the line when Alarm Dialling



AD3 Voice Dialler

For Phasefale Temperature Alarm Controls

(Prescon, TACm, JouleTemp, JouleAlarm etc.)



New model for 2011 with improved features!

Phasefale Controls P\L
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Rev 7/11

ISS2

3. PROGRAMMING THE AD3 & RECORDING YOUR MESSAGES

All programming & recording is done over the phone.

1. Push the Answer switch (yellow LED on) and AD3 will answer all calls for programming.
2. Dial up your AD3, wait for it to answer and start programming by entering a valid PIN, eg. 1234 (the default PIN is 1234 when the unit leaves the factory. This can be changed using the 'Changing the PIN' code below).

Note: During programming & recording, several Operating Progress Tones are heard:

- ❑ Answer Tone — Ascending tone
- ❑ Error Tone — 'Drrrrrrrr'
- ❑ Acknowledge Tone — Ascending Tone
- ❑ Hold Tone — Pip
- ❑ Record Tone — Single beep

3. Once AD3 has accepted the valid PIN, enter any of these commands:

4. PROGRAMMING CODES

COMMAND/ PARAMETER	DTMF CODE	RESPONSE
ALARM DIAL NUMBERS		
First Alarm Dial Number	*21 nn nnnn nnnn # (up to 21 digits max.)	Acknowledge Tone
Erase First Number	#21#	Acknowledge Tone
Second Alarm Dial Number	*22 nn nnnn nnnn #	Acknowledge Tone
Erase Second Number	#22#	Acknowledge Tone
Third Alarm Dial Number	*23 nn nnnn nnnn #	Acknowledge Tone
Erase Third Number	#23#	Acknowledge Tone
Fourth Alarm Dial Number	*24 nn nnnn nnnn #	Acknowledge Tone
Erase Fourth Number	#24#	Acknowledge Tone
Fifth Alarm Dial Number	*25 nn nnnn nnnn #	Acknowledge Tone
Erase Fifth Number	#25#	Acknowledge Tone
Sixth Alarm Dial Number	*26 nn nnnn nnnn #	Acknowledge Tone
Erase Sixth Number	#26#	Acknowledge Tone
Seventh Alarm Dial Number	*27 nn nnnn nnnn #	Acknowledge Tone
Erase Seventh Number	#27#	Acknowledge Tone
Eighth Alarm Dial Number	*28 nn nnnn nnnn #	Acknowledge Tone
Erase Eighth Number	#28#	Acknowledge Tone
Dial Star (*)	** (within a second)	None
Dial Hash (#)	## (within a second)	None
Dial Pause (P)	*# (within a second)	None

ALARM MESSAGE RECORDING		
Record Alarm 1 Message	*81* (beep) record …#	Beep, Playback, Ack
Record Alarm 2 Message	*82* (beep) record …#	Beep, Playback, Ack
Record Alarm 3 Message	*83* (beep) record …#	Beep, Playback, Ack
Record Alarm 4 Message	*84* (beep) record …#	Beep, Playback, Ack
Record Alarm 5 Message	*85* (beep) record …#	Beep, Playback, Ack
Record Alarm 6 Message	*86* (beep) record …#	Beep, Playback, Ack
Record Alarm 7 Message	*87* (beep) record …#	Beep, Playback, Ack
Record Alarm 8 Message	*88* (beep) record …#	Beep, Playback, Ack

CHECK ALARM MESSAGE		
Replay Alarm 1 Message	#81#	Playback
Replay Alarm 2 Message	#82#	Playback
Replay Alarm 3 Message	#83#	Playback
Replay Alarm 4 Message	#84#	Playback
Replay Alarm 5 Message	#85#	Playback
Replay Alarm 6 Message	#86#	Playback
Replay Alarm 7 Message	#87#	Playback
Replay Alarm 8 Message	#88#	Playback

RECEIVING ALARM CALL		
Stop Dialing my number	#	Acknowledge Tone
Stop Dialing altogether	0	Acknowledge Tone

CHANGING THE PIN		
PIN	*44 pppp pppp #	Acknowledge Tone

OPTIONS PROGRAMMING		
MESSAGE REPEATS		
Alarm Message Repeats. Defines how long each number is called for.	*7 n # (n = 1-9 repeats) Default = 4 repeats	Acknowledge Tone

ALARM INPUT TYPE		
Alarm Input Trigger Pulsed (Default)	*5n 0 # (n = 1-8 alarm input no.) *59 0 # = all pulsed	Acknowledge Tone
Alarm Input Trigger Latched	*5n 1 # (n = 1-8 alarm input no.) *59 1 # = all latched	Acknowledge Tone

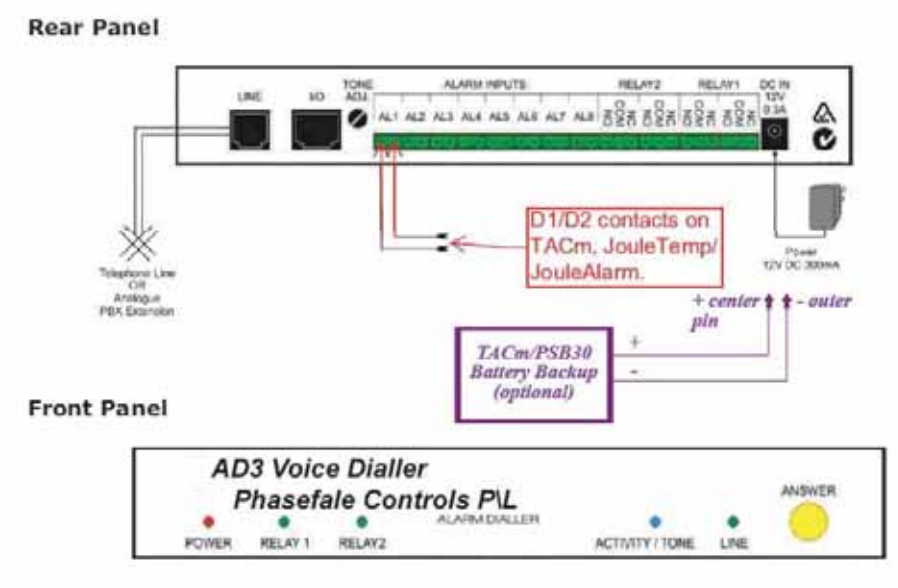
Alarm Input Normally Open	*6n 0 # (n = 1-8 alarm input no.) *69 0 # = all N/O.	Acknowledge Tone
Alarm Input Normally Closed (Default)	*6n 1 # (n = 1-8 alarm input no.) *69 1 # = all N/C.	Acknowledge Tone

OUTPUT RELAYS		
Output Relay 1 ON	1	Acknowledge Tone
Output Relay 2 ON	2	Acknowledge Tone
Output Relay 1 OFF	4	Descending Acknowledge Tone
Output Relay 2 OFF	5	Descending Acknowledge Tone

ADVANCED FEATURES		
Ignore Alarm Input	*9n 0 # (n = 1-8 alarm input no.) *99 0 # = ignore all	Acknowledge Tone
Enable Alarm Input	*9n 1 # (n = 1-8 alarm input no.) *99 1 # = enable all	Acknowledge Tone
No Automatic Output Relay Operation during Line seize	*30n 0# (n = relay no.)	Acknowledge Tone
Automatic Output Relay Operation during Line seize	*30n 1# (n = relay no.)	Acknowledge Tone
Default alarm dialler mode. CAUTION, this also performs a factory reset.	*00#	Acknowledge Tone
Store and end programming	0 or Hang up	Disconnect

2. CONNECTION DIAGRAM

Before you can program or record messages on your AD3, make the connections as shown here:



For most applications with Phasefale equipment, simply connect the AL1 inputs to the D1/D2 outputs from the Phasefale control. The AD3 will be programmed by default to dial out when the D1/D2 contacts open during alarm.

You can call the factory on 03 9584 5590 and have your AD3 pre-programmed by us at ordering time, the information required is:

1. Alarm message (please write this down)
2. Telephone numbers to call (minimum 1m maximum 8)