

VOICE BD STD

Introduction

The Voice BD STD is designed to work with the **Elite-Lite, Alert/Elite 8D (software version number V8.54 and above), Elite 16D (software version number V6.20 and above), Elite S and Elite 64** alarm panels. The Voice BD STD provides up to **240** seconds of speech storage. The speech messages are programmed via the handheld speech programmer. The voice board also has a Microphone input for connection of the optional MIC board. The MIC board allows the owner to listen to sounds within the protected premises to determine if an intruder is on-site. The speech messages can be used to annunciate different alarm types or to give status reports for Command Control. Command Control allows the user to Arm/Disarm the alarm or turn Outputs On/Off (with voice prompts) from a remote telephone by using secret 4 digit codes.

Installation

On the Elite 8D, Elite 16D and Elite S there is a 4mm hole. Push the supplied standoff into this hole first (the Elite-Lite and Elite 64 does not have this hole). The Voice board has a socket that plugs into the opposite socket on the Alarm Panel. On all panels the board can only be installed one way. Please always ensure that the alarm panel is powered down while fitting the Voice board to prevent damage from occurring.

Programming the Voice Messages

You must have a Speech Programmer to set up the appropriate voice messages. The Speech Programmer plugs into the 10 way header pins on the Voice Board. The brown wire on the Speech Programmer lines up with the pin closest to the edge of the Voice board.

On the Speech Programmer there are two pushbuttons labelled "REC" and "PLAY".

To record a message onto the Voice Board first press the small button on the Voice Board, (this is the reset button). This will ensure that you will be starting at the beginning of the speech storage memory locations.

Then simply press and hold the "REC" button (the LED on the programmer will turn on) Speak clearly into the microphone on the Speech Programmer.

NOTE: Keep the speech programmer about 200mm from your mouth and Ensure that each message is a minimum of 2 seconds in length.

When the message is finished release the "REC" button (the LED on the programmer will turn off).

By repeating this step you can record multiple messages, each time into a new slot. Continue with this process until all messages have been successfully recorded.

Keep a list of the messages in the order they are recorded. Make sure you have recorded all the messages you will need, before pressing the reset button, as you wont be able to add individual new messages, they will all need to be re-recorded.

To review the messages, first press the "Reset" button on the Voice Board to return to the beginning of the message storage memory locations.

Then press the "Play" button momentarily to start the playback of the first message. When the message is finished the Voice board will stop the playback mode. To listen to the next recorded message press the "Play" button again. Repeat this operation until all recorded messages have been reviewed. When all messages have been reviewed, press the "Reset" button to reset the Voice board back to the beginning.

Command Control Programming

Command Control Messages are one's that are used to give voice status information during dial-in control of Arm/Disarm or Output's.

Elite-Lite & Elite 8D ONLY

The Command Control Messages for the **Elite 8D & Elite-Lite** **Must** be recorded in the correct order for everything to work properly and must be recorded **After** all zone alarm messages have been recorded.

For example, if you required 3 zone alarm messages as listed below;

- 1-"Burglar alarm"
- 2-"Fire alarm"
- 3-"Panic alarm"

These messages would be recorded first. The **4th** message would then be the first Command Control Message. You then tell the panel that it starts the command control messages from **4** at address **P250E**. So you would program in P250E 4E. (see page 4 for the list of messages). If some Command Control Messages are not used in the Elite-Lite or Elite 8D but other messages following these unused messages are required then "Dummy" messages must be recorded so that the order is maintained when using the Voice board on these panels. For example; If the Arm/Disarm feature for Area "A" is being used but there is no Area "B" (because the system is not partitioned) but outputs 1 & 2 will have remote Command Control functions then 2 short messages (**a minimum of 2 seconds each**) must be added in following Command Control message # 2 (Area "A" Disarm message). These 2 short messages are for the Area "B" arm/disarm messages that although are not being used, must be recorded to maintain the correct order. Then the messages for output 1 & 2 can be recorded. **Any message, including the "Dummy" messages need to be a minimum of 2 seconds in length.**

The **Elite 16D, Elite 64 & Elite S** differ from the Elite-Lite & Elite 8D. Command Control Messages are assigned in pairs, first is the ON or ARMED message then the OFF or DIS-ARMED message. As there is no fixed order for Command control messages, you need to tell the panel what slot the messages are found in.

Operating Instructions

Acknowledging Voice Alarm Messages.

If an alarm occurs that is set for Voice Reporting, the panel will call the pre-programmed telephone number/s. When the call is answered, the Voice Alarm message will be sent. The panel will then wait for 5 seconds looking for a DTMF tone on the line (a DTMF tone is generated when any key on a normal pushbutton telephone is pressed). If the panel receives a DTMF tone it will hang-up and cancel any further calls for that particular alarm event. **The Elite S must see either the '#' or a 4 digit code followed by the '#' before it will acknowledge the alarm.** If not it will repeat the voice message a further 3 times with the 5 second pause in between waiting to hear a DTMF tone that will stop the alarm reporting. If no DTMF tone was received after the total of 4 attempts the panel will dial the next pre-programmed number on the list and repeat the sequence again. If in the meantime the alarm is reset, any further voice alarm reports are automatically cancelled.

Command Control Operation

If Command Control is set up then a valid code holder can call the alarm using any standard pushbutton telephone. When the panel answers the in-coming call it will generate 2 different

tones for approximately 2 seconds each. When the tones have finished the panel will be looking for a valid 4 digit DTMF code e.g 1, 2, 3, 4. If the code entered in at the keypad on the telephone matches one of the valid DTMF codes programmed into the panel the appropriate voice message will be sent.

For example; If the code 1,2,3,4 was the Arm/Disarm code for Area "A" and the code holder entered this code in at their telephone, the alarm panel will respond with the voice message relating to the current status of Area "A".

Now by pressing the " * " button at the remote telephone the panel will change the status of Area "A" (if already Armed it will Disarm the panel or vice versa) and give the corresponding voice message relating to this new state.

Output Control is very similar with the exception that the output number you wish to control must be entered in after the valid 4 digit code e.g if the output control code was 2,5,8,0 and you wanted to control output # 2 then the code 2,5,8,0,2 must be entered in at the remote telephone. Once again, if this was a valid code to control the outputs the panel will respond with the voice message relating to the current status of the output concerned (in this case output 2). By pressing the " * " button the state of the output will be changed and the message relating to the new status will be sent.

At any time if an incorrect code is accidentally entered a single press of the " # " button at the telephone will reset all digits sent ready for a new sequence of digits.

Microphone Control

If the optional microphone is connected to the Voice Board, it is possible to dial into the alarm panel from any telephone and turn on the Microphone input to allow audible verification of an intruder on-site.

To do this, once the panel has answered the in-coming call as before, all you have to do is enter in the valid 4 digit Microphone code followed by the " * " button. To turn the microphone input off you simply press the " * " button again. If the microphone is not turned off properly it is automatically turned off when the call is terminated. The various Command Control program address codes for both panels are listed in the chart below.

DTMF COMMAND CONTROL CODE ADDRESSES

Panel Type ^{AE} Command Control Function ^E	Elite 8D & Elite-Lite	Elite 16D	Elite S	Elite 64
Area "A" Arm/ Disarm	P334E	P372E	P63E 1E	P881E
Area "B" Arm/ Disarm	P335E	P373E	P63E 2E	P882E
Area "C" Arm/ Disarm	N/A	P374E	N/A	P883E
Area "D" Arm/ Disarm	N/A	N/A	N/A	P884E
Output Control	P336E	P371E	P175E 12E	P885E
Microphone Control	P337E	P375E	P175E 13E	P886E
Start Command Control Message	P250E	See page 4	See page 4	See page 4
Voice/Domestic Acknowledge Code	N/A	N/A	P175E 14E	N/A

VOICE MESSAGE ASSIGNMENT TABLE

Message	Elite-Lite & Elite 8D
Zone Alarm Messages	P251E to P258E (each zone set separately)
Panic Alarm	P259E
Fire Alarm	P260E
Medical Alarm	P261E
Battery Low	P262E

After Alarm Messages, P250E for start of Command Control Messages

Area "A" Armed	All these Command Control Messages must be recorded in this order. If their are messages you do not need, you must put in a Dummy message longer than 2 seconds. See page 2 for more information.
Area "A" Disarmed	
Area "B" Armed	
Area "B" Disarmed	
Output # 1 On	
Output # 1 Off	
Output # 2 On	
Output # 2 Off	
Output # 3 On	
Output # 3 Off	
Output # 4 On	
Output # 4 Off	
Output # 5 On	
Output # 5 Off	
Output # 6 On	
Output # 6 Off	
Output # 7 On	
Output # 7 Off	
Output # 8 On	
Output # 8 Off	

Message	Elite 16D Assignment	Elite 64 Assignment	Elite S Assignment
Zone / Zone Group Alarm Messages	P761E to P776 (each zone set separately)	P511E to P530E (each zone group set separately)	P160E 1-16E 0-99 (each zone set separately)
Area "A" Armed	P777E	P1001E	P64E 1E 0-99
Area "A" Disarmed	Follows A armed	Follows A armed	Follows A armed
Area "B" Armed	P778E	P1002E	P64E 2E 0-99
Area "B" Disarmed	Follows B armed	Follows B armed	Follows B armed
Area "C" Armed	P779E	P1003E	N/A
Area "C" Disarmed	Follows C armed	Follows C armed	N/A
Area "D" Armed	N/A	P1004E	N/A
Area "D" Disarmed	N/A	Follows D armed	N/A
Output # 1 On	P781E	P1031E	P42E 1E 0-99
Output # 1 Off	Follows Out 1 On	Follows Out 1 On	Follows Out 1 On
Output # 2 On	P782E	P1032E	P42E 2E 0-99
Output # 2 Off	Follows Out 2 On	Follows Out 2 On	Follows Out 2 On
Output # 3 On	P783E	P1033E	P42E 3E 0-99
Output # 3 Off	Follows Out 3 On	Follows Out 3 On	Follows Out 3 On
Output # 4 On	P784E	P1034E	P42E 4E 0-99
Output # 4 Off	Follows Out 4 On	Follows Out 4 On	Follows Out 4 On
Output # 5 On	P785E	P1035E	P42E 5E 0-99
Output # 5 Off	Follows Out 5 On	Follows Out 5 On	Follows Out 5 On
Output # 6 On	P786E	P1036E	P42E 6E 0-99
Output # 6 Off	Follows Out 6 On	Follows Out 6 On	Follows Out 6 On
Output # 7 On	P787E	P1037E	P42E 7E 0-99
Output # 7 Off	Follows Out 7 On	Follows Out 7 On	Follows Out 7 On
Output # 8 On	P788E	P1038E	P42E 8E 0-99
Output # 8 Off	Follows Out 8 On	Follows Out 8 On	Follows Out 8 On
Pendant Panic	N/A	P1021E	P176E 1E 0-99
KP Panic	P757E	P1022E	P176E 1E 0-99
Fire Alarm	P758E	P1023E	P176E 2E 0-99
Medical Alarm	P759E	P1024E	P176E 3E 0-99
Mains Failure	P789E	P1026E	P176E 4E 0-99
Mains Restored	N/A	N/A	P176E 5E 0-99
Battery Low	P790E	P1025E	P176E 6E 0-99
Battery Restored	N/A	N/A	P176E 7E 0-99
Tamper (zone/radio/system)	N/A	N/A	P176E 8E 0-99
Duress Alarm	N/A	N/A	P176E 9E 0-99
Latchkey Disarm	N/A	N/A	P176E 10E 0-99
Manual Test Initiated	N/A	N/A	P176E 11E 0-99



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