DTMF Control Operation

Your alarm system can provide comprehensive DTMF control of individual areas and outputs with full user PIN and TIMER GROUP access verification.

Your installer will advise you which DTMF features have been enabled on your system.

How To Use DTMF Control

To use the DTMF functions you will need to establish a phone connection between you and your alarm system.

The way you do this will vary depending on a number of options which your installer may have enabled, so you should ask them to advise the correct method for your system.

One of the most common ways to connect is using the Answering Machine or Fax Machine bypass method which is shown in the example below.

1. Call the phone number which your alarm panel is connected to and let the phone ring once and then hang up. When counting, remember that "ring ring" is referred to as one ring.

2. Next call the phone number which the panel is connected to again and wait for the alarm panel to answer the call. This will be on the first or second ring. Once the panel answers you will hear a short welcome jingle. You now have approximately 5 seconds to enter a valid PIN and log onto the panel.

> **Note** *Remember the second call must be made within 30 seconds of the first call or the connection attempt will fail.*

3. To log in, enter your normal alarm PIN followed by the # key. If the PIN is valid, the alarm system will respond with two short beeps. If the PIN is invalid then a single long beep will be heard.

> **Note** *In residential installations, the phone number your panel is connected to will normally be your home phone number. If in doubt check with your installer.*

4) If a valid PIN is not entered in time, the panel will attempt to establish a modem connection which sounds very similar to the noise a fax machine makes when answering a call. If this happens you will need to hang up for approximately 60 seconds before trying again.

5. Once validated and logged on to the system, a number of commands can be performed including arming and disarming of areas and ouputs. See the table below for more options. If no keys are pressed for 20 seconds then the panel will play the exit jingle before terminating the session and hanging up. Pressing ## at any time while connected will cause the panel to terminate the session.

The table below shows examples of the various functions available during DTMF remote control.

DTMF CONTROL FUNCTIONS		
Operation	**Command**	**Response**
Quick Arm All Areas	[0] + [#]	2 x Beeps
Log In OK	[U][S][E][R] [P][I][N] + [#]	Welcome Jingle
Log In Failed	[U][S][E][R] [P][I][N] + [#]	Long Beep
Turn Area ON	[1] + (Area Nº1- ??) + [1] + [#]	2 x Beeps (Low - High)
Turn Area OFF	[1] + (Area Nº1- ??) + [2] + [#]	2 x Beeps (High - Low)
Turn Output ON	[2] + (Output Nº1- ??) + [1] + [#]	2 x Beeps (Low - High)
Turn Output OFF	[2] + (Output Nº1- ??) + [2] + [#]	2 x Beeps (High - Low)
End Session	[#] + [#]	Exit Jingle

Table 1: DTMF Remote Control Functions

DTMF Examples

Examples below shows the log on step for clarity. In practise it is only necessary to log on once per DTMF control session.

To turn Area 1 ON enter the following

[2] + [5] + [8] + [0] + [#] = Log ON

[1] + [1] + [1] + [#] = Arm Area 1

To turn Output 7 ON enter the following

[2] + [5] + [8] + [0] + [#] = Log ON

[2] + [7] + [1] + [#] = Turn Output 7 ON

To turn Output 3 OFF enter the following

[2] + [5] + [8] + [0] + [#] = Log ON

[2] + [3] + [2] + [#] = Turn Output 3 OFF

Note

If the DTMF Quick Arm option is enabled then it is possible to remotely arm all areas without logging onto the panel.
Simply enter 0 + # key following the welcome jingle.

Make sure that the phone being used to remotely control the panel is set to transmit DTMF tones when keys are pressed during the call. This option is disabled by default on some phones.

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