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## SERVICE INFORMATION

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We are sure that you will be delighted with your 'Abacus Evolution' alarm installation.

For your personal reference, here is a record of the relevant service information :

<b>Service Company :</b>		
	Tel :	Fax :
<b>Date of Installation :</b>		
<b>Site Reference :</b>		
<b>24hr Service Number :</b>		
<b>Keyholders :</b>	Name :	Tel :
	Name :	Tel :
<b>Panel Type :</b>		
<b>Software Version :</b>		
<b>Installed to Grade :</b>		
<b>Environmental Class :</b>		

G2 panels are suitable for use in installations designed to meet the requirements of Grade 2, G3 panels meet the requirements of Grade 3 and all are graded at Environmental Class II.

External set / unset readers and access control readers meet the requirements of Environmental Class IV.

## “ABACUS EVOLUTION”

Two Panels, One Range, No Confusion

## User's Guide

## CONTENTS

Contents	Page
Summary	2
Using 'Abacus Evolution' with Code or Tag	5
Intelligent Setting	13
When Problems Arise	14
Setting Individual Areas	17
Chime Facility	23
Omitting Zones	25
Keypad Personal Attack	
Manager Menu	26
Set Date & Time	28
Omitting 24 Hour Zones	
Change / Add Codes or Tags	30
Review History Log	36
SMS Phonebook	37
Walk Testing Detectors	38
Testing your Sounder	39
SMS Messaging System	40
Dial Out Menu	41
Allow Engineer Menu	42
Block Remote Set	43
Perform Anti-Code Reset	44
Service & Codeholder Records	47

Note the specification of 'Abacus Evolution' may vary between models and some facilities in the manual may not be available. Check with your installer for full details. This equipment may be used in systems installed to a lower grade, which will be agreed with your installation company.

## MENU EXIT

To exist from Manager Menu and return to normal mode.

EXIT MANAGER  
MENU?

Press **YES**

If you wish to select any of the Manager Menu items again, press the **NO** key until your choice is displayed.

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## USER PROGRAMMABLE FUNCTIONS

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Persons holding Manager codes to 'Abacus Evolution' have access to the following programming options :

- SET DATE AND TIME?
- OMIT ZONES?
- CHANGE CODE(S)? \*
- REVIEW LOGS? \*
- PHONE BOOK?
- WALK TEST? \*
- BELL TEST? \*
- TEST BHC COMMUNICATIONS?
- DIAL OUT MENU? \*
- ALLOW ENGINEER MENU? \*
- BLOCK REMOTE SET?
- BLOCK PC Access?
- ENTER ANTI-CODE? \*
- EXIT MANAGER MENU?

To do so, press **D** and enter your Manager PIN Code or Tag.

Every user has access to the following programming options :

- CHANGE CODE?
- REVIEW LOGS?
- WALK TEST?
- BELL TEST?
- DIAL OUT MENU?
- ALLOW ENGINEER ACCESS?
- ENTER ANTI-CODE?
- EXIT USER MENU?

To do so, press **D** and enter your User PIN Code or Tag.

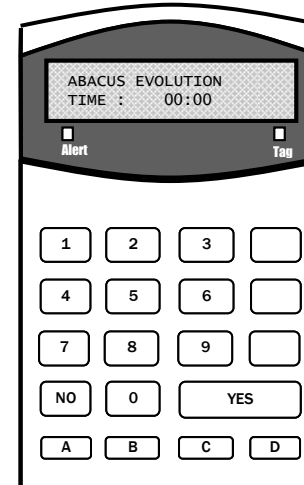
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## YOU'VE MADE THE RIGHT CHOICE

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Using your 'Abacus Evolution' Alarm System just couldn't be easier!

This is the keypad from where you control your Alarm System :



### NOTE :

**For your security, the keypad becomes disabled for 90 seconds after 24 incorrect key-presses, or after 6 attempts to present invalid tags.**

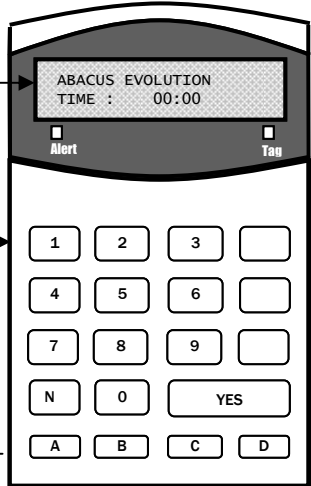
**(Code guessing is displayed after correct code is entered or tag presented.**

**It will subsequently be disabled again after 7 further incorrect key-presses or after another invalid tag is presented.**

**Once a correct code or tag has been registered, the keypad is returned to normal operation.**

## THE 'ABACUS EVOLUTION' KEYPAD

The display gives you any important messages. It will alert you if you need to call your Alarm Installation Engineer.



The 10-digit numeric keypad is where you use your PIN code.

## BLOCK UP / DOWNLOAD

If you wish that your alarm company can only dial into your system with their PC whilst their engineer is on site, this can be set up through the 'Block UDL' menu.

### Anti-Code Restore

(Note : this item will ONLY appear if engineer restore is required and will appear first in the menu).

BLOCK?

Your Alarm Receiving Centre or Alarm Installation Company may let you reset the system without an engineer present

ENTER ANTI-CODE?

Press **YES**

Eng Reset Reqd 19113

You will be required to quote this 5-digit code by phone. You will then be given a special code to reset the system which will reset the system **for that one occasion only**.

Press **YES**

Enter your Code [ ]

After entering the correct anti-code you may continue using your system normally.

---

## BLOCK REMOTE SET

---

Your alarm system may be configured so that your alarm installation company or company manager can set or unset the system remotely via PC. Should you wish to block this access you can do so through this menu.

Block Remote  
Set?

Press **YES**

Block Remote Set  
No [0]

Make your choice with the **B** and **D** keys.

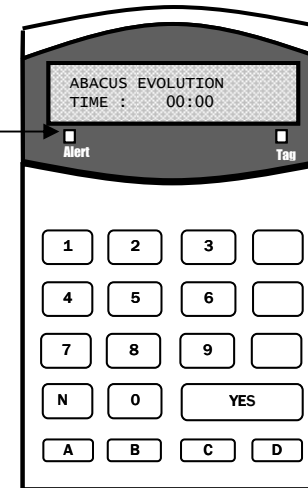
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## WARNING INDICATIONS

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All setting points (keypads or tag readers) have lamps to clearly indicate what is happening.

The '**Alert**' lamp will flash if there is information available to you :



Enter your code to see the information.

The relevant detail of the problem will be shown on the display. To clear the display, press the **YES** key.

# Using Your PIN Code or Tag

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## ALLOW ENGINEER MENU

---

When your alarm installation engineer comes to your premises for the annual maintenance visit or to correct a fault after an alarm, he will require access to the programming of the system.

ALLOW ENGINEER  
MENU?

Press **YES**

Allow Engr Menu?  
Yes [1]

Use **B** and **D** keys to make your choice.  
Press **YES**

After the engineer has finished on site, you may return this setting to **NO**.

## DIAL OUT MENU

Your alarm system may be configured so that you can control the system via a PC. If you wish to continue :

Dial Out Menu?

Press **YES**  
(Or press **NO** to move to next menu)

Select PC to Dial [1]

Use the **D** key to select the required PC from the list (1-4) and press **YES**

Select Operation Upload logs [0]

Use the **D** key to select the operation you require.

Upload Logs :

View the system history on your PC where it can be searched and printed.

Select Operation Diagnostics [1]

Use the **D** key to select the operation you require.

Diagnostics :

Sends electrical and diagnostic data to your PC where it can be printed if needed.

Calling Remote PC

Press **YES**

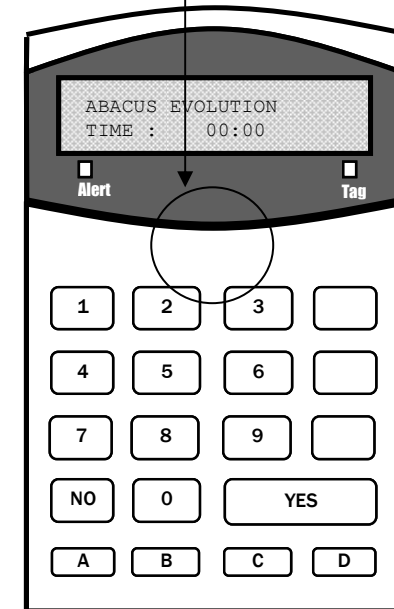
## USING TAGS

'Abacus Evolution's High Security Proximity Tag will set or unset your Alarm System with the minimum of fuss or complexity.

The tag contains NO BATTERIES and is completely MAINTENANCE FREE.

Present tag to keypad here.

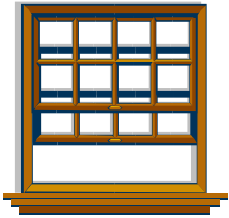
The keypad will beep to acknowledge the tag.



## SECURITY CHECKS

### Before you set your system :

You must ensure all doors and windows are securely closed and any pets or people are excluded from areas protected by movement sensors.



**CLOSE WINDOWS**



**CLOSE DOORS**



**EXCLUDE PETS & PEOPLE**

## SMS MESSAGING SYSTEM

Your system may have been configured to send messages to a mobile telephone.

If so, the system will call the appropriate messaging bureau and forward the message to your mobile telephone whenever an event occurs that is important to you.

Message calls are charged at the normal network rate current at the time of the call. The fee for routine checking is collected automatically via a premium rate number when the 'Abacus Evolution' makes its regular authorisation and routing call to the messaging computer.

Should this call fail, the display will show '**BHC Test Fail**' until the next time that the call is made successfully (see below for making test calls to the BHC). This acts as a reminder that SMS Message Signalling *may* not be operational, but will not interfere with this or any other aspect of the alarm system.

If you wish to change the information sent to your mobile telephone, or the mobile telephone number, please contact your alarm system installation company.

**It is recommended that this test is *only* undertaken under the supervision of your alarm installation engineer.**

TEST BHC  
COMMUNICATIONS?

Press **NO** to move to the next menu.

*(Press YES to make the test (under the direction of an alarm engineer), the test call will be via a premium rate number).*



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## TESTING YOUR ALARM SOUNDERS

---

BELL TEST?

Press **YES**  
(Or press **NO** to move to next menu)

Testing BELL

Press **YES**  
Siren will sound, strobe will flash

BELL TEST?

Press **NO** to move to next menu

---

## LEAVING THE BUILDING

---

If you are leaving the building, go to the keypad and key in your PIN code, or present your tag.

ABACUS EVOLUTION  
TIME : 00:00

Exit Tone starts

*(If flexi-set is enabled, you will be able to choose which areas you set, see page 13).*

**LEAVE BY AGREED EXIT ROUTE**

**CLOSE AND LOCK THE FINAL EXIT DOOR**

SETTING [009]  
OFFICE

*If your exit is timed, you will see the above screen.*

Finally, press the 'ET' button (if fitted) that is mounted externally by the final exit door.

Exit via  
Front Door

*If you use an ET button, or final-door-set, you will see the above screen.*

**Exit Tone will cease**

**'ABACUS EVOLUTION' IS NOW SET**

---

## FAULTS WHEN YOU SWITCH ON

---

If when you key in your PIN code (or present your tag) a warning tone sounds and the "Alert" lamp comes on, the keypad display will show the nature of the problem.

The tone will cease after about 10 seconds.

Press the **NO** key

The system will remain unset so you can resolve the problem.

For example, you may have left a door open - if so, close the door.

Now commence the setting procedure again.

---

## WALK TEST

---

WALK TEST?

Press **YES**  
(Or press **NO** to move to next menu)

walk Test Zone  
Front Door

Choose the area(s) you wish to test by pressing the appropriate **A** **B** **C** **D** keys. Press **YES**

All detectors waiting to be tested will scroll in the display.

Walk around the building and trigger all of the detectors.

The system will chime each time a detector responds.

When all detectors have been activated and are working, the display will show :

walk Test  
Completed

walk Test?

To move to the next menu, press **NO**

---

## SMS PHONE BOOK

---

PHONEBOOK?

Press **YES**  
(Or press **NO** to move to next menu)

SMS Numbers

[1]

Use the **D** key to scroll to which SMS telephone number you wish to change (1-4). Press **YES**

Mobile No. 07  
951\_

Using the numeric keys, type in the new telephone number (do not leave any spaces). You can move the cursor back with the **B** key and forward with the **D** key. Use the **C** key to delete a character. Press **YES**

SMS Numbers

[1]

Select the next mobile telephone number you wish to change, or press **NO** to move to the next menu.

---

## FAULTS WHEN LEAVING THE BUILDING

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If when you have closed the final exit door and pushed the 'ET' button, (if fitted), the exit tone continues to sound an interrupted tone, you have probably left a protected door on the exit route open.

Return to the keypad and note the message on the display.

BAD SET!  
Lounge Pir

Stop the setting procedure either with your tag or press **NO** to clear.

**Close the open door / window.**

Now commence the setting procedure again.

---

## ENTERING THE BUILDING

---

To enter the building you **must** use the agreed entry route and go straight to the keypad.

ENTRY [020]  
TIME

Entry tone will be sounding

Key in your PIN code or present your tag.

Entry tone will cease.

**'ABACUS EVOLUTION' IS NOW UNSET**

---

## REVIEW HISTORY LOG

---

REVIEW LOG?

Press **YES**  
(Or press **NO** to move to next menu)

Panel Log?

Press **YES**

To advance through the logs :

Date & Time  
EVENT

Press **D**

For added information :

Area Involved  
User Involved

Press **C**

To move backwards to previous events :

Press **B**

Press **NO**

To move to the next menu, press **NO** again.

If Access Control facility is in use, a separate log is available dedicated to events using this function.

Follow the same procedure, but press **NO** to choose between **PANEL LOG** and **ACCESS LOG**.

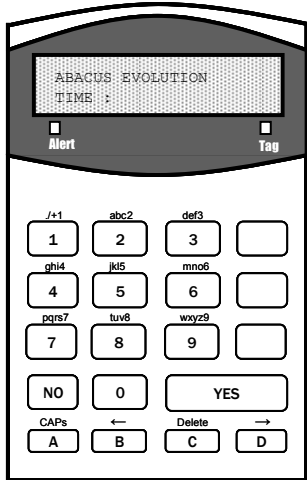
**NOTE :**

**Access Log available only on ICP8-G3 Control Panel.**

## CHANGING OR ADDING NEW PIN CODES / TAGS

cont.../

Using the numeric keys, you can enter a User Name, similar to typing a text message on a mobile phone.



The **A B C D** keys on the keypad are used as follows :

'A' : capital letters  
'B' : moves cursor left  
'C' : clears character, creates a space  
'D' : cursor moves right

e.g. to write 'Ben', simply press :

'2' key twice  
'A' key for capital  
'D' move cursor right  
'3' key twice  
'D' move cursor right  
'6' key twice

Press **YES**

When you have finished and wish to go to the next menu, press **NO**.

## STAYING IN THE BUILDING

### PART SET

*(If programmed)*

To part-set 'Abacus Evolution', go to the keypad and enter your PIN code or present your tag.

**Exit tone will start.**

Leave the protected area and retire to the unprotected area (e.g. upstairs).

After a preset time, the exit tone will cease.

### 'ABACUS EVOLUTION' IS NOW PART-SET

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## PART-SETTING THE SYSTEM

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### INTELLIGENT SET

*(If programmed)*

If you wish to set 'Abacus Evolution' and stay in the building (e.g. set the alarm at night), the 'Abacus Evolution's intelligent operating system will realise which level of security you require and will set only part of the system.

***This function needs enabling by your installation company.***

**You will NOT need to press ET button if you set only part of a system.**

If Intelligent Set is not installed on your system, you may part-set the system as described on page 12.

---

## CHANGING OR ADDING NEW PIN CODES / TAGS

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cont.../

If you do not have Access Control or Wards, go to next page.

Assign Codes  
To Readers

Press **YES**  
(Or press **NO** to move to next menu)

WARDS ACCESS

To assign a tag to Access Control Readers or a Ward Reader, enter the Reader Numbers required. Press **YES**

WARDS ACCESS [03]  
Stores Door

To cancel a Reader from the list, key in the number again. Press **YES**

When you have completed the list, press **NO** again to go to the next menu.

#### NOTE :

**Access Control available only on G3 panels.**

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## CHANGING OR ADDING NEW PIN CODES / TAGS

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cont.../

Flexi-Set gives you the opportunity to choose the areas you require to set when you use your PIN Code or Tag.

Flexi Set  
Yes [1]

If you do not choose Flexi-Set, your Code / Tag will simply set the areas assigned without offering you the option to choose.

Flexi Set  
No [0]

For simplicity of use, choose **NO**

SET SYSTEM?

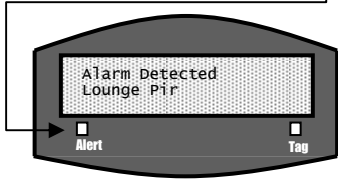
Use **B** and **D** keys to make your choice  
Press **YES**

**Systems installed to Grade 2 requirements have 10,000 code differs**  
**Systems installed to Grade 3 requirements have 100,000 code differs**  
**Tags have 2.8 thousand billion differs**  
**There are no disallowed codes**

**When problems arise, just key in  
your PIN Code or Tag**

## SILENCING ALARMS

If an alarm tone sounds, the **Alert** lamp will flash :



Key in your PIN code or present your tag.

**The alarm will stop sounding.**

The display will indicate the problem.

Alarm Silenced  
Lounge Pir

Press the **YES** key.

'Abacus Evolution' will advise you on any action that is needed. If the **Alert** LED indication remains lit, there is additional information available. Enter your PIN or present your tag to view.

## CHANGING OR ADDING NEW PIN CODES / TAGS

cont.../

Choose the level of authority the code holder is allowed.

User : **cannot** access Manager Menu  
Manager : **can** use Manager Menu

(Use **B** and **D** keys to make your choice).

USER TYPE  
(USER) [0]

Use **B** and **D** keys to make your choice  
Press **YES**

User Areas [A ]

Using the **A B C D** keys, choose the areas you wish to be controlled by the code holder. Press **YES**

**(Managers may not give other users access to areas he himself cannot access).**

User Set Option  
Unset / Set [0]

Choose the limits you wish to place on the code-holders actions. Set & Unset, Set only, Unset only.  
Choose '**None**' if the tag is **only** for Access or Ward control.  
Use **B** and **D** keys to make your choice  
Press **YES**



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## CHANGING OR ADDING NEW PIN CODES / TAGS

---

cont.../

'Abacus Evolution' identifies each user by a different **User Number**. e.g. 'John' would be user '01', 'Jane' would be user '02', etc.

Key in the **User Number** whose PIN Code / tag you wish to add or change.

USER NUMBER  
[02]

Press **YES**.

ENTER USER  
CODE [7024]

Key in the new 4, 5 or 6 digit PIN Code you require or present the new tag.

To delete a Code or Tag, press **C**.

Press **YES**

'Abacus Evolution' will **not** allow you to programme in codes that are already in use by the system. Standard users can only edit their own code.

Managers can only programme new users with access to the same areas as he / she has access.

### NOTE :

**'EN Grade 3' Alarm Systems will only accept 5 or 6 digit Codes.**

---

## ENGINEER RESET

---

When an alarm has been cancelled and the Police have been notified by the Alarm Receiving Centre (ARC), you will see the following screen when you try to use the system :

Active Faults  
Restore Reqd

It is usually necessary for an engineer from your installation company to check the installation and reset the system for further use.

**But if you have caused the alarm in error**, your Alarm Receiving Centre (ARC) or Alarm Installation Company may permit you to reset the system without an engineer present.

Engineer Reset  
Required 21055

You will be required to quote a 5-digit code by telephone (advise them that the system is an 'Abacus Evolution'). You will then be given a special code which will reset the system **for that one occasion only**.

This 5-digit code is displayed in the 'User Menu'.

# Setting Individual Areas

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## CHANGING OR ADDING PIN CODES / TAGS

---

*A RECORD SHOULD BE KEPT AS SHOWN ON PAGE 47.*

CHANGE CODES?

Press **YES**  
(Or press **NO** to move to the next Menu)

Change User  
Codes?

Press **YES**  
(Or press **NO** to programme the **Master Manager Code**)

*Turn to the next page to continue to programme user codes.*

Change Master  
Manager Code?

Press **YES**  
(Or press **NO** to move to the next menu)

*Turn to the next page to continue to programme the Master  
Manager Code.*

**The Master Manager Code can only be changed by the Master Manager.**

## OMIT ZONES

Some of your doors may rarely be used. Opening them, even with 'Abacus Evolution' Unset, may be designed to cause an alarm. If you need to open these doors, you can omit them from the system as shown below.

(Only zones of 'tamper' and 'day alarm' type can be omitted this way, as set up by your alarm installing company).

Enter the zone number you wish to omit.

Omit Zones [--] Enter the zone number you wish to omit  
Press **YES**

Omit Zones [06] To reinstate zones, simply key in the number again.  
FIRE DOORS Press **NO** when your selection is complete

### NOTE :

**Zones omitted while 'UNSET' will NOT be omitted when you 'SET' the system.**

## THE A B C D KEYS

Sometimes your security needs will be a little more complex and you will need to use the **A B C D** keys.

Your installer can also give names to all four of the **A B C D** areas so that you can easily identify them.

For example :

<b>A</b>	=	Reception	or	<b>All Set</b>
<b>B</b>	=	Warehouse	or	<b>Bedtime set</b>
<b>C</b>	=	Office	or	<b>Cat in lounge</b>
<b>D</b>	=	Storeroom	or	<b>Dog in study</b>

In addition, names can be given to the whole system. These will be displayed when setting the system.

SET AREAS? [A...] Present tag or enter PIN code and follow installation guidelines.

i.e. :  
Full Set Press **A** (All on)  
Part Set Press **B** (Bed time)  
Part Set Press **C** (Cat in lounge)  
Part Set Press **D** (Dog in study)

---

## CODES WITH FLEXI-SET

---

For greater flexibility in setting parts of your system, you can make a choice at the keypad.

Key in your PIN code or present your tag.

If you do not wish to set all the areas assigned to your code / tag, simply select the areas you wish to set by pressing the relevant **A B C D** key(s).

To change your mind, press the relevant **A B C D** key(s) again.

Press the **YES** key to accept.

Setting areas will now be displayed with the corresponding area keys being lit.

**'ABACUS EVOLUTION' will now set the selected areas**

---

## SET DATE & TIME

---

SET DATE &  
TIME?

Press **YES**, or press **NO** to move to next menu.

YEAR (00-99)  
[02]

Enter year (e.g. 01=2001).  
Press **YES**

MONTH (1-12)  
[08]

Enter Month.  
Press **YES**.

DAY (1-31)  
[12]

Enter Day.  
Press **YES**.

HOURS (0-23)  
(10)

Enter Hours (24 hour clock).  
Press **YES**.

MINUTES (0-59)  
[17]

Enter Minutes.  
Press **YES**.

To go to the next Menu, press **NO**.

---

## MANAGER MENU

---

The Manager Menu is accessed by pressing **D** and then keying in your **Manager** PIN Code.

You then have a choice of :

- SET DATE AND TIME?
- OMIT ZONES?
- CHANGE CODE(S)? \*
- REVIEW LOGS? \*
- PHONE BOOK?
- WALK TEST? \*
- BELL TEST? \*
- TEST BHC COMMUNICATIONS?
- DIAL OUT MENU? \*
- ALLOW ENGINEER MENU? \*
- BLOCK REMOTE SET?
- BLOCK PC Access?
- ENTER ANTI-CODE? \*
- EXIT MANAGER MENU?

\* These features can also be accessed with a standard user code.

Pressing the **NO** key will take you from one Menu to the next (as well as escaping from within a Menu). Pressing the **YES** key will take you into a Menu (as well as accepting a choice within a menu).

Press **D** and key in your Manager PIN Code or User Code.

The first Menu choice asks you if you wish to **Set Date & Time?**

If you wish to enter the Menu, press **YES**. If you wish to move on to other Manager Menu items, press **NO**.

The User Menu is similar to the Manager Menu, with some choice unavailable.

Pressing the **A** key while on main menu options will return the system to 'Unset' mode.

---

## FLEXI-SET

---

When 'Abacus Evolution' is already set and you wish to unset :

Key in your PIN code or present your tag.

### **If Entry Timer has started :**

All areas for which the tag or PIN is valid will be unset. Any areas set for which the code is not valid will remain set, e.g. if A and B are set :

If an '**A**' tag is presented, only area A will be unset

If an '**A B**' tag is presented, both areas A and B will be unset

If an '**A B C**' is presented, areas A, B and C will be unset

### **If Entry Timer is not running :**

You will be asked if you wish to set any areas currently not set. Press **YES** to do so, or press **NO** to unset the system.

### **NOTE :**

**Your alarm installing company may have programmed keypads to set and unset certain areas only.**

---

## FLEXI-UNSET

---

If your codes have been set up with Flexi-Unset enabled, you will always have a choice of what areas you would like to set or unset, regardless of whether the entry time is running or not - providing you have a code valid for the relevant areas.

This function can only be enabled by your alarm installing company and will not be permitted if your system is designed to comply with clause 6.4.5 of DD243:2004.

## Manager Menu

To enter Manager Menu, press **D** and then key in your code or present your tag. The screen will display any relevant information; simply press **NO** to move into Manager Menu.

We recommend that your system is fully disarmed to use Manager Menu functions.

---

## DELIBERATELY OMITTING A ZONE WHEN LEAVING THE BUILDING

---

At some time, you may wish to isolate a detector if a room is occupied.

Enter your PIN Code or Tag.

While the exit tone sounds, press the **YES** key.

When the '**OMIT ZONE**' menu is displayed, key in the number of the zone you wish to omit and press **YES**.

**Note** : Always use a leading zero - e.g. 02 is Zone 2 and on larger systems, 002 is Zone 2.

If it has been accepted, it will be displayed on the screen.

Repeat for any other zones that need to be omitted.

**After 10 seconds, 'ABACUS EVOLUTION' will begin to set**

(These zones will be omitted for this one period only)

## More Advanced Functions

## THE 'CHIME' FACILITY

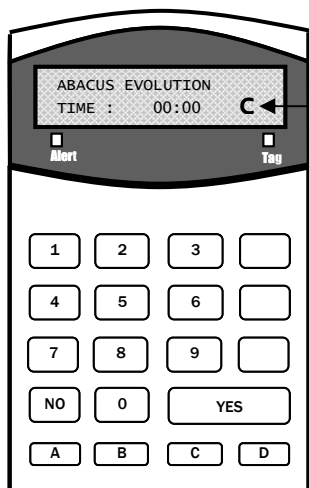
The **C** key can be used to select the 'chime' facility while the system is Unset.

For example, you may wish to be alerted if someone enters through a particular door during the day.

Simply press the **C** key. The display will show a 'C'.

Now if the door opens, you will be alerted by the 'chime' tone.

To cancel the 'Chime' function, simply press **C** again.



### NOTE :

**This is only operative on detectors programmed for this purpose.**

**If multiple zones are programmed to permit this, the sounder will not distinguish between them.**

## SETTING WITH A FAULT

In a domestic setting you may wish to ignore a window you have deliberately left open in the Summer time. There may be another fault on the system which you want to ignore when you set the system.

Enter your PIN code or present your tag.

The display will ask if you wish to set with the fault.

Set with Fault  
Bedroom window

To omit the fault, press **YES** (or **NO** if you don't).

The system will then set as normal.

The fault will be omitted for this one arming period only.

### NOTE :

**Only doors or windows already open can be omitted in this way.**

**The system may be programmed to be able to set with certain types of fault (e.g. mains fail) but not others(e.g. telephone line fault).**