GENT
by Honeywell

# Operating Instructions

## Vigilon Compact Voice Alarm based
### Fire detection and alarm system

# Contents

## Preface

This third issue of the operating instructions is for the Vigilon Compact combined Fire and Voice alarm system.

## Associated documents

- ☐ Vigilon Compact Voice Alarm - Installation instructions
- ☐ Log Book

## Conventions

**This is a note to highlight important text that is normally hidden in the main text.**

**This is either a caution to prevent damage to the equipment or a warning to inform of dangerous conditions that may result in injury or death.**

## Symbol Keys

What you will see.

What you will hear.


Voice announcements

A fire condition.

LED illuminated - On.

LED illuminated - Flashing.

## Abbreviations

BGM - Background Music
DEV - Loop device
LED - Light emitting diode (light)
MCP - Manual call point
MIC - Microphone
micro DAU - micro Distributed Amplifier Unit
Mains DAU - Main Powered Distributed Amplifier Unit
NVM - Non Volatile Memory (NVM on MCB CARD14)
IO or I/O Input or Output
IR - Infra Red
OC or O/C - Open circuit
OS - Outstation (Loop device)
PIN - Personal identification number (usercode, password or access code)
PSU - Power supply unit
PA - Public address
PTT - Press To Talk
SC or S/C - Short circuit
VA - Voice Alarm
**[Text]** - Denotes menu options on display
**Text** - Denotes physical keys on keypad

## User responsibility

Your fire alarm system should have been designed, installed and commissioned to your site specific requirements and in accordance with the requirements of BS5839 Part 1. You should have received instructions about your system during the handover stage and must make arrangements to ensure the system is regularly tested and maintained.

It is recommended that the **person responsible** for the fire alarm system should ensure the system is tested and maintained in accordance with the requirements of BS5839:Part 1 and become familiar with:

- ☐ the operation of controls and be able to interpret the indications given at the control panel
- ☐ keep up to date all documentation associated with the system.

**Any servicing work on the Vigilon system must be carried out by a suitably trained person, please refer to your servicing organisation.**

### Daily

*BS 5839:Part 1*, states that the system should be inspected daily to ensure:

- ☐ That a normal indication is given at the control and indicating equipment.
- ☐ That any previously indicated **fault** conditions have received appropriate attention.
- ☐ All system events are entered into the Log Book for future reference.
- ☐ That the use of the 'area(s) that are inspected' has not changed since the system was designed.
- ☐ That no unsafe practices that could lead to fire are being undertaken.

### Weekly

When testing the system there may be a need to isolate ancillary outputs and it is important to contact the alarm receiving centre before and after the weekly test.

- ☐ A different **manual call point** of the system should be tested to ensure the system is capable of operating under alarm conditions.
- ☐ The operation of the **alarm sounders** should be checked, which also reminds the occupants that there is a fire alarm system which gives a particular sound output.

**The test should be performed at a regular time to avoid confusion between a test and a genuine fire alarm. The alarm receiving centre must be contacted before and after the test to check alarms are received and also to avoid unwanted alarms.**

## Quarterly

At quarterly intervals the system should be inspected and any work necessary should be performed by a trained maintenance engineer.

**For help with service and maintenance please refer to your servicing organisation, see contact details entered in the log book.**

## Limitation of false alarm

It is recommended that the person responsible for the fire alarm system should arrange for suitable investigation and appropriate action on occasion of every false alarm. For a system having less than 40 automatic fire detectors installed, an in-depth investigation should be instigated on occurrence of two false alarms in any rolling 12 months. For a system having more than 40 automatic fire detectors an investigation should be instigated if there has been:

- ☐ one false alarm for every 20 installed detectors in the system in any rolling 12 months, or
- ☐ two or more false alarm occurrences from a single device.

## Background music

Before playing background music via the Vigilon Compact Voice Alarm system it is important to acquire a license to broadcast music.

**If background music is being played from CDs or Tapes then it is a legal requirement (1988 Copyright Design and Patent act) to obtain the appropriate license by contacting the Performing Right Society.**

# System control and indicating equipment

The events of fire, fault and disablements are indicated at the control and indicating equipment installed in the protected premises. The control and indicating equipment should be accessible to the person responsible for the fire system.

## Control panel

The control panel is the heart of the system. It is normally located near to the main entry / exit point of the protected premises.

The control panel continuously monitors devices that are connected to its analogue loop circuits. Each analogue loop cable is routed through the protected premises to cover all areas. Both ends of each loop being terminated at the control panel for system integrity. Fire sensing devices installed on the analogue loop constantly monitor the environment for fire. The alarm devices such as the micro Distributed Amplifier Units and Mains Powered Interface Units via their speaker circuits provide alert and evacuation voice alarm to warn occupants in the event of a fire.

The Audio loop is also routed through the protected premises and connects to each micro Distributed Amplifier Unit and Mains Powered Distributed Amplifier Unit on the corresponding analogue loop circuit. Both ends of the audio loop are terminated at the control panel. This loop is used to output the announcement of central audio messages and live speech via local Emergency microphone and optional external Public Address (PA) microphone. The loop can also carry background music for broadcast during normal condition.

Repeat panel
(provides system indications and controls)

Repeat indicator panel
(provides system indications)

## Repeat panels

There may be one or more repeat panels installed in the protected premises to provide secondary indications of the system condition. The larger repeat panel additionally provide system controls. The repeat panels are usually located near to secondary entry and exit points of the protected premises.

A3 Zonal panel

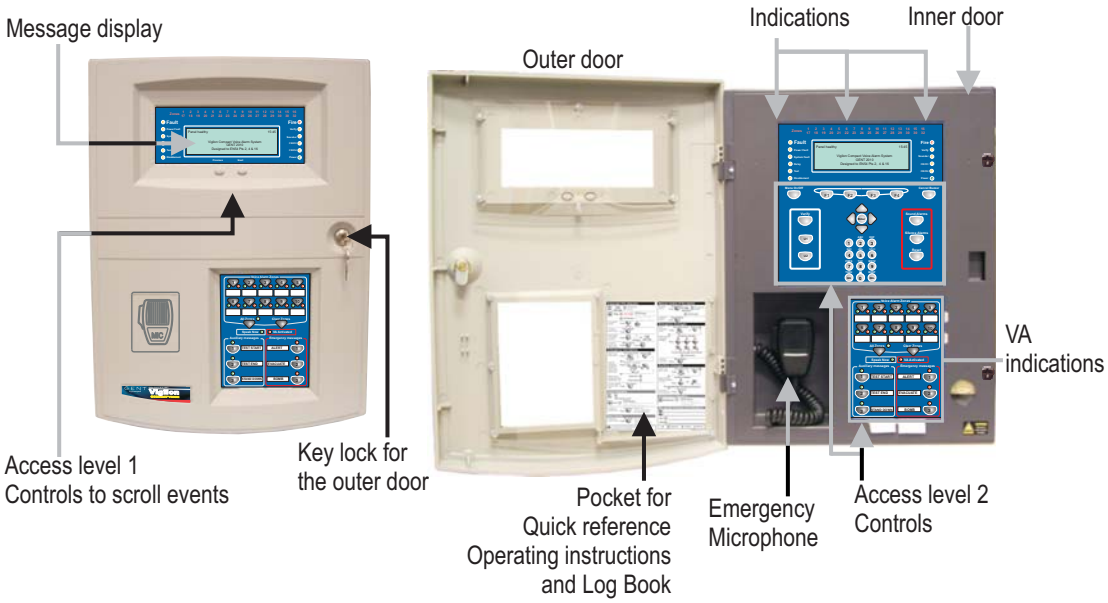
A3 Mimic panel

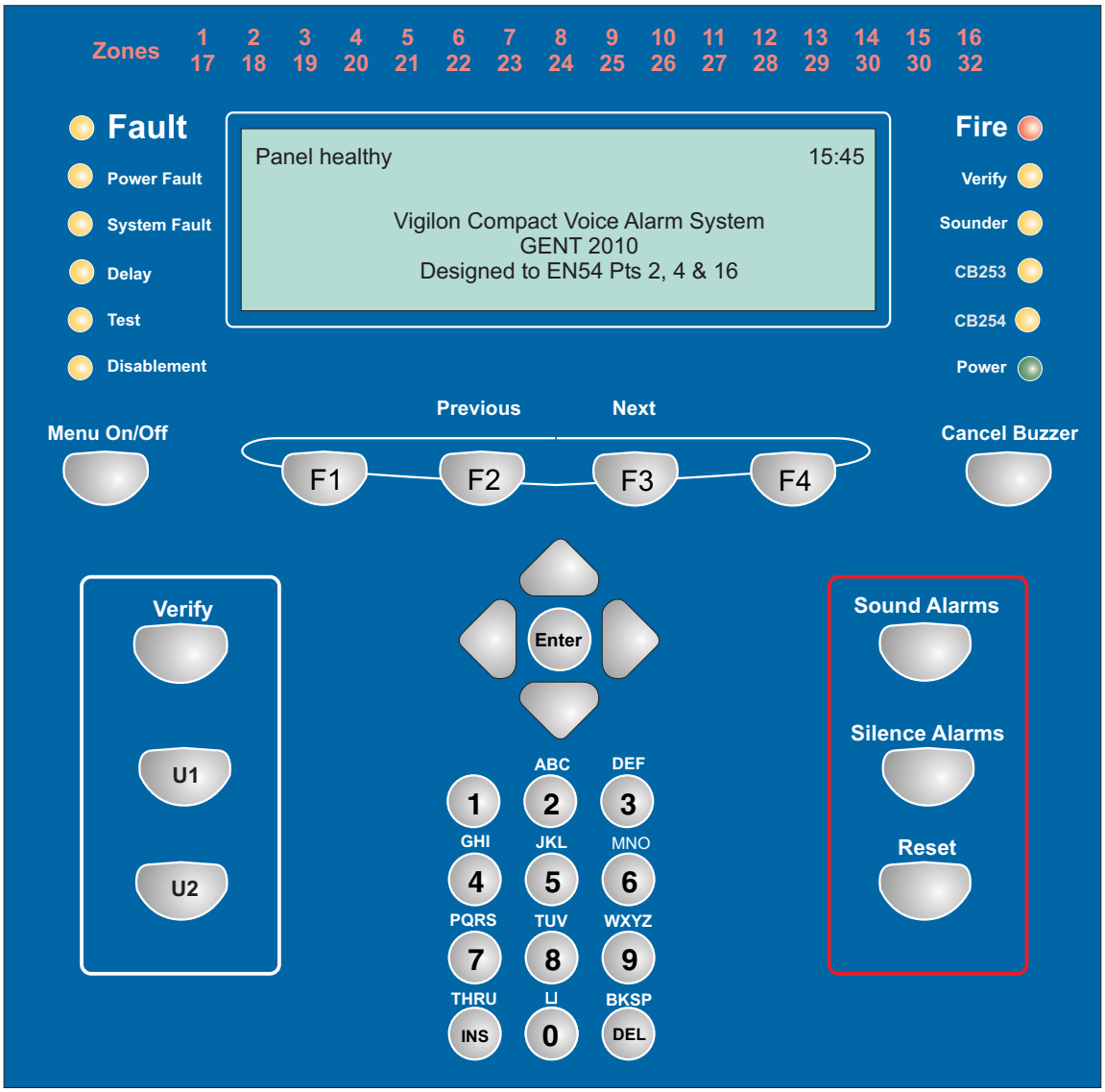
## Zonal Mimic panels

There may be a number of mimic and zonal panels installed in the protected premises, to provide visual indications in a graphical or zonal format. Normally one is installed next to the main control panel. There may be additional panels installed in other areas of the protected premises. The mimic panel or zonal panel may be used to cover sub division of the premises.

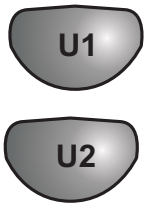
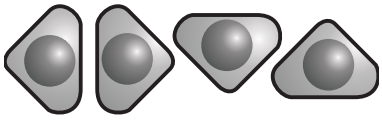
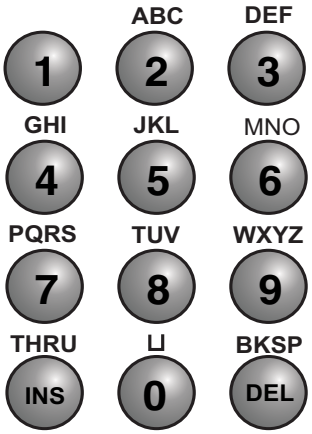
# Description of controls and indications

Open the front door to reveal the controls

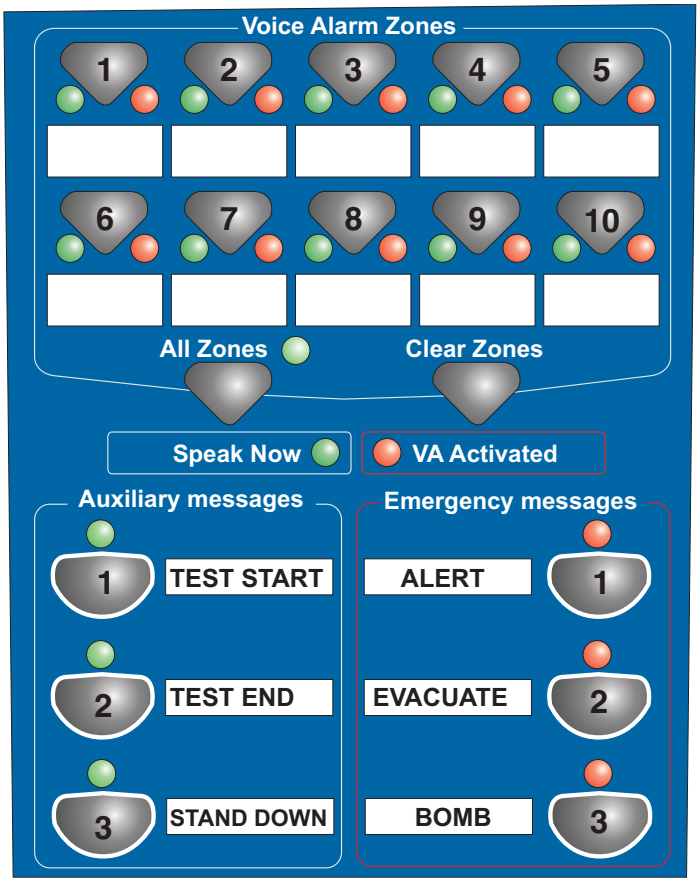


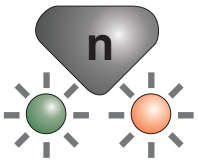



| Indicators and controls | Descriptions |
|---|---|
| Display | The Display provides messages of the system status / events by means of 8 lines by 40 characters per line display. |
| Zones 1 (red) | Hidden-until-lit fire zone indicators. When the "Zones" text and number(s) are illuminated it indicates that a FIRE has been detected in the specified zone(s) of the local system. |
| Power (green) | When illuminated it indicates that a supply to the panel is present. |
| Fire (red) | When illuminated it indicates that a FIRE has been detected in the protected premises. |
| Verify (amber) | When illuminated it indicates that the Verify button has been pressed and the alarm sounders in the system are delayed from sounding. |
| Fault (amber) | When illuminated it indicates that a FAULT has been detected in the fire detection and alarm system or in the audio system. |
| System Fault (amber) | When illuminated it indicates that a fault has occurred with the system processor. **It is important to investigate this fault because the fire alarm system may not be able to detect fires.** |
| Disablement (amber) | When illuminated it indicates that a part of the system has been disabled. |
| CB253 or CB254 (amber) | When illuminated it indicates a command build 253 or 254 has been activated. |
| Power Fault (amber) | When illuminated it indicates the battery or mains supply to the panel has failed. |
| Sounder (amber) | When illuminated (always with either the FAULT light or the DISABLEMENT light) it indicates that there is a sounder fault (flashing indication) or sounder disablement (steady indication). |
| Delay (amber) | When illuminated it indicates that one or more delay blocks are setup on the panel. |
| Test (amber) | When illuminated it indicates one or more local zones are in Test mode. |
| Menu On/Off | Pressing Menu On/Off enables/disables the on screen menu facility which gives access to the system menus. |
| F1 to F4 | The 'Fn' buttons are used to select functions and sub-functions of the system menus, which appear on the display. Each option of the menus, correspond to one of the function button and pressing a button will select the option.. |
| Cancel Buzzer | The Cancel Buzzer button when pressed will stop the internal panel buzzer from sounding.<br>Note the local buzzer is automatically silenced when the emergency microphone is being used to announce live speech. |

| Indicators and controls | Descriptions |
|---|---|
| **Sound Alarms**  | Pressing the Sound Alarms button will activate evacuation message and sound evacuate alarms. This button is only pressed in an emergency or at other agreed times, for example when conducting a system test or practice evacuation. |
| **Silence Alarms**  | Pressing the Silence Alarms button will stop emergency message announcements and silence the system alarms. |
| **Reset**  | Pressing the Reset button will clear any fires and return the panel to its normal state. If a fire condition occurs immediately after reset then the indicated device should be investigated. |
| **Verify**  | If the Verify facility has been set up, then pressing the Verify button in the event of a fire condition, increases the time delay before the sounders are activated. This gives the user time to investigate the cause of the alarm and an option of cancel the alarm within the delay time period. |
|   | These buttons can be configured during commissioning to action 'user defined' functions, such as disablement of devices in areas where smoke may be generated or where plant shutdown is required.<br><br>The function of these buttons should be written on the label that is fitted on the back of the outer door. |
|  | These four buttons are used to scroll the displayed text. |
|   | These buttons allow data to be entered manually at the control panel.<br>When entering a label each press of a key will scroll the character string, for example:<br>key 2 will scroll A B C 2 a b c.<br>key 1 will scroll 1 question , . ; & * /<br>The bottom row of text keys explained:<br>The ␣ button is used to enter a SPACE between characters<br>The INS key allows text to move one position to the right<br>The DEL key allows a character to be deleted<br>The BKSP button will delete previous character.<br><br>**When entering a data range, such as a range of devices**<br>The key THRU ( - ) is used to enter a range, for example 1 - 5. |
|   | This is pressed to acknowledge an entry of data such as a label. |

*VA Indications*



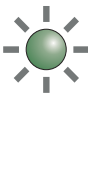




(green) (red)

Pressing one or more of the 10 buttons selects the local *Voice Alarm Zone(s)* of the local system to which emergency or auxiliary messages, or emergency microphone is to be announced. The two LEDs beneath flash alternately to show the *Voice Alarm Zone* has been selected.

On selecting the required emergency or auxiliary message only one of these LEDs changes to steady or flashing indication determined by the type of audio to be outputted to the selected *Voice Alarm Zones*. The left LED indicates auxiliary message selection while the right LED indicates emergency message selection.

**All Zones**

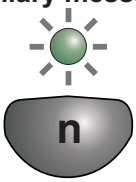
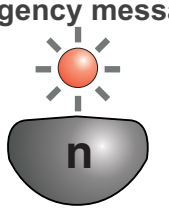


(green)

Pressing the 'All Zones' button allows quick selection of all *Voice Alarm Zones* of the local system. The accompanying LED gives a steady indication when the button is pressed. Note all the *Voice Alarm Zones* that have been setup in your system will give a flashing indication and those not set up will give no indication.

**Clear Zones**

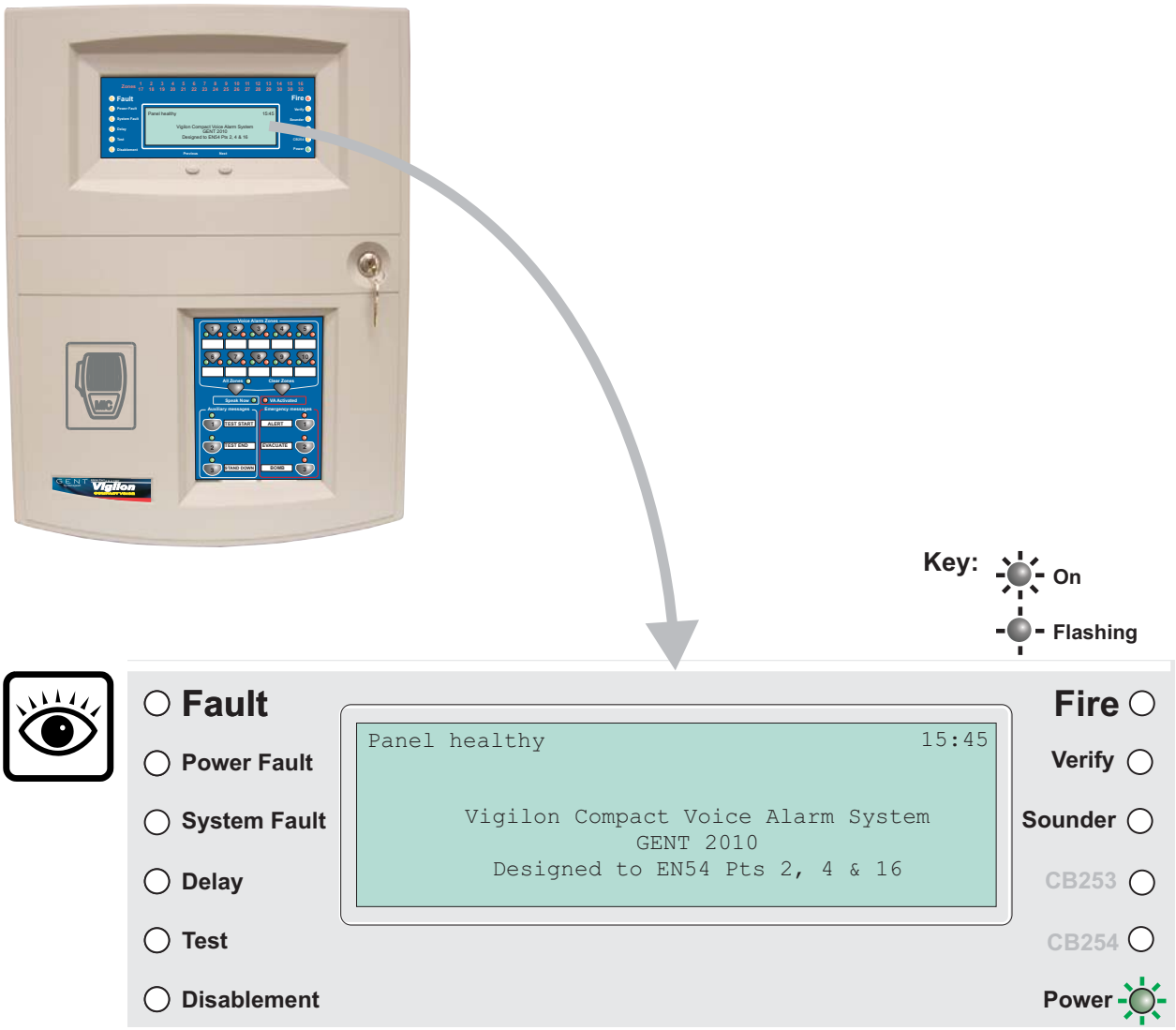
Pressing 'Clear Zones' button will clear selected *Voice Alarm Zones* of the local system and stop announcements.

| | |
|---|---|
| **Speak Now**  (green)<br><br>**Speak Now**  (green) | When 'Speak Now' LED is illuminated it indicates the local system is ready to allow live speech announcement to selected local *Voice Alarm Zones* via the Emergency microphone.<br>The indicator is lit following selection of *Voice Alarm Zones* and on pressing the Press to Talk (PTT) button on the Emergency microphone.<br>If the Press to Talk button is released, the 'Speak Now' indicator will flash and switch off after 20 seconds duration or immediately switch off on pressing the Clear Zone button. |
| **VA Activated**  (red) | When the 'VA Activated' LED is illuminated it indicates the voice announcements are being made or emergency microphone is in use for speech announcement to *Voice Alarms Zones*. |
| **Auxiliary messages**<br>  <br>(green) | When 'Auxiliary messages' LED is illuminated the system is announcing *auxiliary message n* to the selected *Voice Alarm Zones* of the local system.<br>The indicator is lit following selection of *Voice Alarm Zone*s of the local system and on pressing the required Auxiliary message button. |
| **Emergency messages**<br>  <br>(red) | When 'Emergency messages' LED is illuminated the system is announcing *emergency message n* to the selected *Voice Alarm Zones* of the local system.<br>The indicator is steady or flashing determined by type of emergency message being announced to *Voice Alarm Zone*s. |

## Normal condition

A system operating normally is indicated at the panel by the:

- ☐ display showing a Panel healthy message
- ☐ only the *Power* indicator lit.




## How to operate a U button

The U1 and U2 buttons may have been configured during commissioning to action user-defined functions, such as disablement of devices in areas where smoke may be generated or where plant shutdown is required. The function of these buttons should be written on the label that is fitted on the back of the outer door.

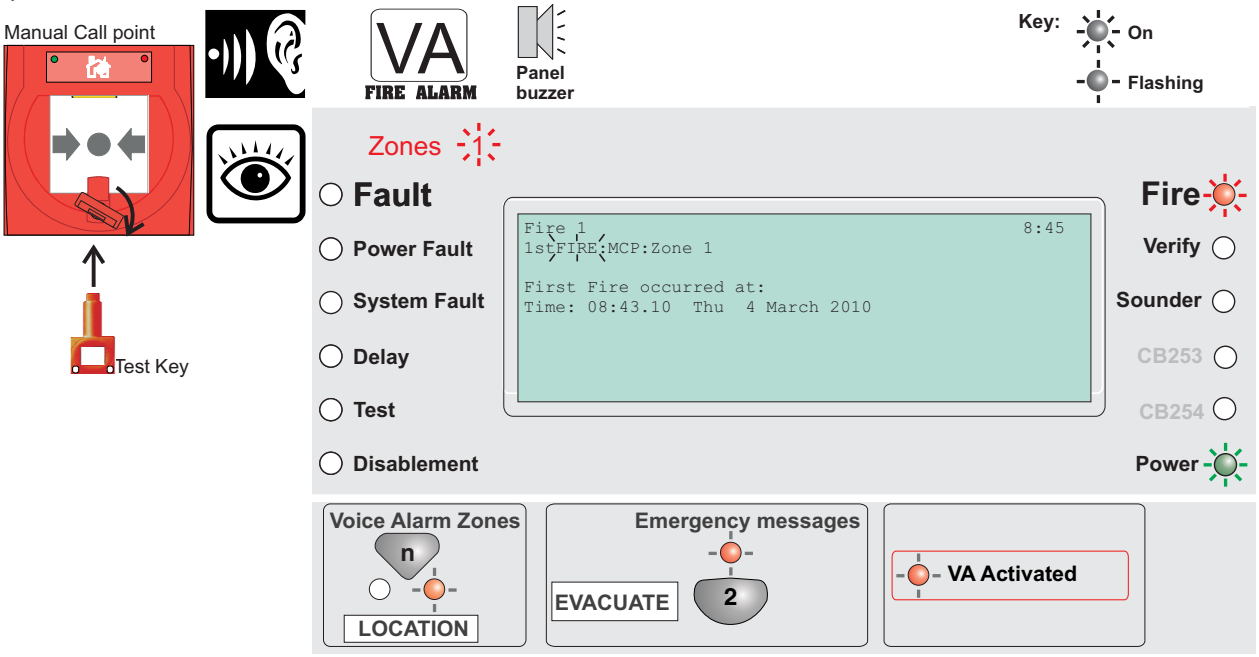
| To activate a 'U' button. | You can activate the predefined function of a 'U' key. | Press: Un<br>n - can be 1 or 2.<br>Display reads what action is being carried out. |
|---|---|---|

## Weekly test

Every week during normal working hours the fire detection and voice alarm system should be tested. It is important to inform the alarm receiving centre of the fire test.

**It is important to inform occupants in the building before carrying out a test. A 'Start test' and an 'End test' announcements can be made from the panel by activating Auxiliary message 1 (Test Start) and Auxiliary message 2 (End Test), see page 19.**

- ☐ Insert the test key into the key hole located on the bottom-centre front face of the manual call point and turn the key one quarter of a turn clockwise.
- ☐ Where an older manual call point is to be tested, insert a test key into the hole located on the underside of the call point and push the key into the call point to operate the cam mechanism. This will activate the call point.

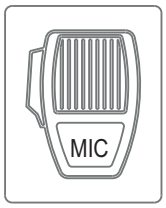



At this point keep the test key in the call point.

- ☐ Check the voice alarms are sounding in the building and an indication of fire is given at the panel.
- ☐ Remove the test key from the call point. Open the door on the panel to access controls.

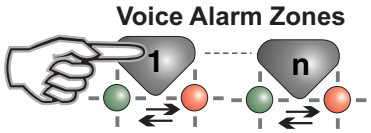
| | | |
|---|---|---|
| **To cancel buzzer** | You can stop the panel buzzer from sounding. | Cancel Buzzer<br>Press: Display reads: *'Buzzer cancelled'* |
| **To silence alarms** | When the test is complete, the alarm sounders can be silenced. | Silence Alarms<br>Press: Display reads: *'Alarms silenced'* |
| **To reset system** | To return the system to normal condition clear any residual smoke or heat from sensors and replace the glass in any manual call points where the glass was broken. | Reset<br>Press: Display reads *'System being Reset - please wait....'* |
| **Record the event** | Make an entry in the log book of the event for future reference. | |

# How to make an announcement using the Emergency Microphone

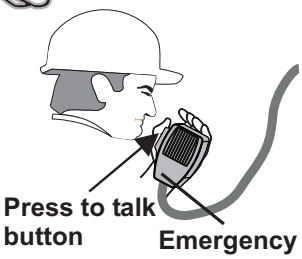


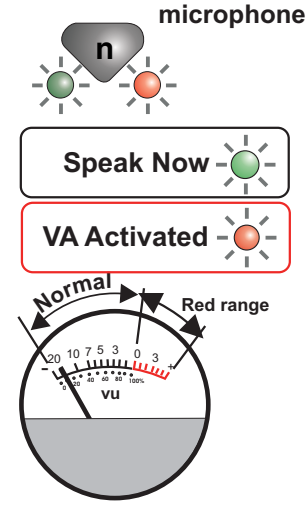

Live emergency announcements using the Emergency microphone can be made to guide occupants away from fire.

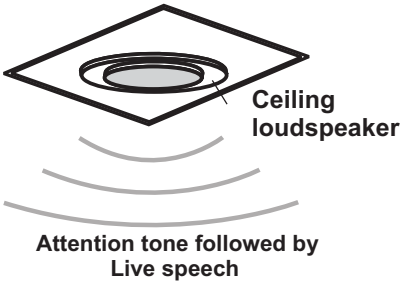
**Announcements made using the Emergency Microphone is broadcast to the local system ONLY and is not across the entire network.**

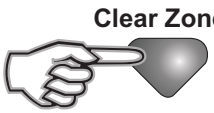








1. Open the panel door.

2. Select the *Voice Alarm Zones* in which live announcements are to be made, to do this press the required *Voice Alarm Zone* number button(s). Notice the two red and green LEDs on either side of the button flash alternately. If you need to deselect a selected zone then press the button again.
   To select all zones press the *All Zones* button and note the green 'All Zone' LED next to the button is lit.

3. Remove the Emergency microphone from the holder by sliding it up and out and hold it in the palm of your hand.

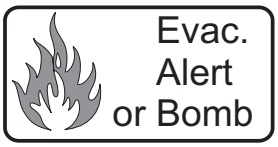
4. Press the *Press to Talk* button on the microphone, notice green and LEDs of the selected *Voice Alarm Zones* buttons change from flashing to steady On indication.
   An attention tone is signaled in the selected *Voice Alarm Zones* and when it has finishes the *Speak Now* plus *VA Activated* LEDs are lit to make the channel available for voice announcement.

5. While pressing the *Press to Talk* button and speak into the microphone to make the live announcement in local system.

   While speaking into the microphone ensure the **vu signal level meter** pointer remains within the 'Normal' range. If the pointer frequently deflect into the 'Red range' then move the microphone a little further away from the mouth while speaking until the pointer deflection is within the normal range.

6. When finished release the *Press to Talk* button note the Speak Now LED and VA activated LEDs will flash till timeout. Return the microphone to the holder in the panel, ensuring the coiled wire is tucked inside the recess and then press the *Clear Zones* button.

# How to announce emergency messages




If an emergency situation should occur, you can announce 'fire alert', 'fire evacuate' and 'bomb alert' messages to selected local voice alarm zones.

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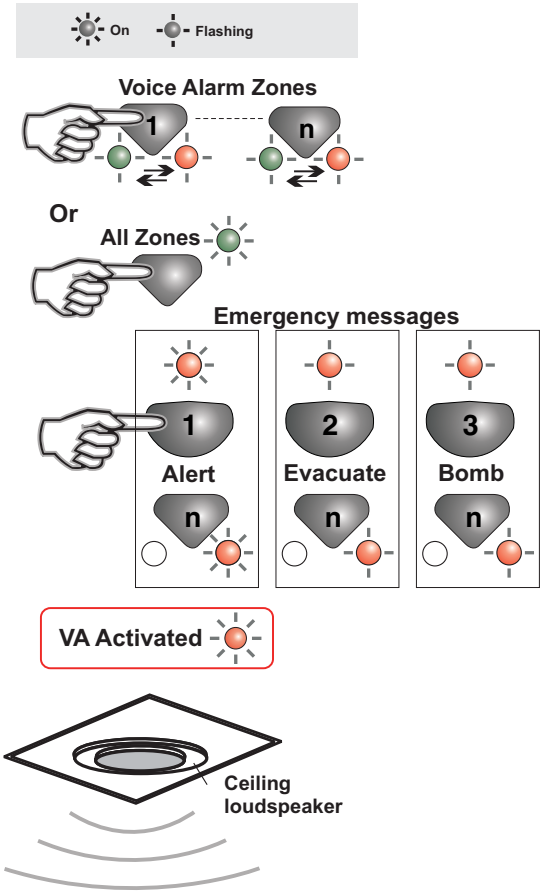






Attention tone followed by announcement of Pre-recorded messages

① Open the panel door.

② Select the *Voice Alarm Zones* in which the emergency message are to be announced, notice that the two green-red LEDs on either side of the button flash alternately.

**If you need to deselect a selected zone then press the button again. To select all zones press the All Zones button and note the All Zone green next to the button is lit.**

③ Press the required *Emergency message* button:
No.1 ALERT
(if selected its red LED will be On)
No.2 EVACUATE
(if selected its red LED will flash)
No.3 BOMB
(if selected its red LED will flash)

Notice also that the LEDs of the selected *Voice Alarm Zone* buttons are lit giving either steady or flashing indication depending on the
message number selected.

The VA Activated LED is lit and the system will sound an attention tone followed by the selected emergency message, this sequence will be repeated until the alarms are silenced.

*Factory default Standard messages*

**Evacuate message follows an attention tone:**
***"An incident has been reported in this building please await further instructions."***

**Alert message follows an attention tone:**
***"This is a fire alarm please leave the building immediately by the nearest available exit."***

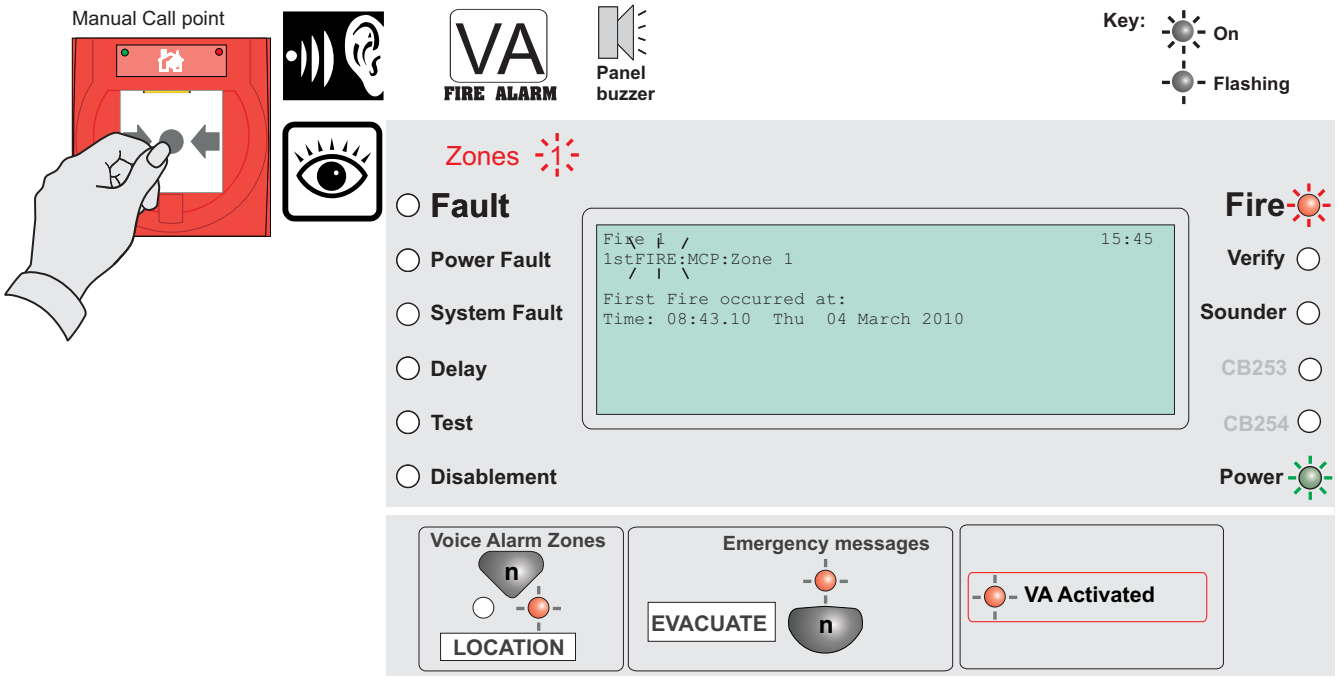
**Bomb alert message follows an attention tone:**
***"May I have your attention please, an incident has been reported in the area, as a precaution please move away from all windows, further information will follow shortly."***


④ When the emergency is over and to stop the announcement, press the *Silence Alarms* button.

## How to manually raise a fire alarm

If you see a fire in the protected premises and want to raise a fire alarm to warn occupants in the building, you can do this manually by:

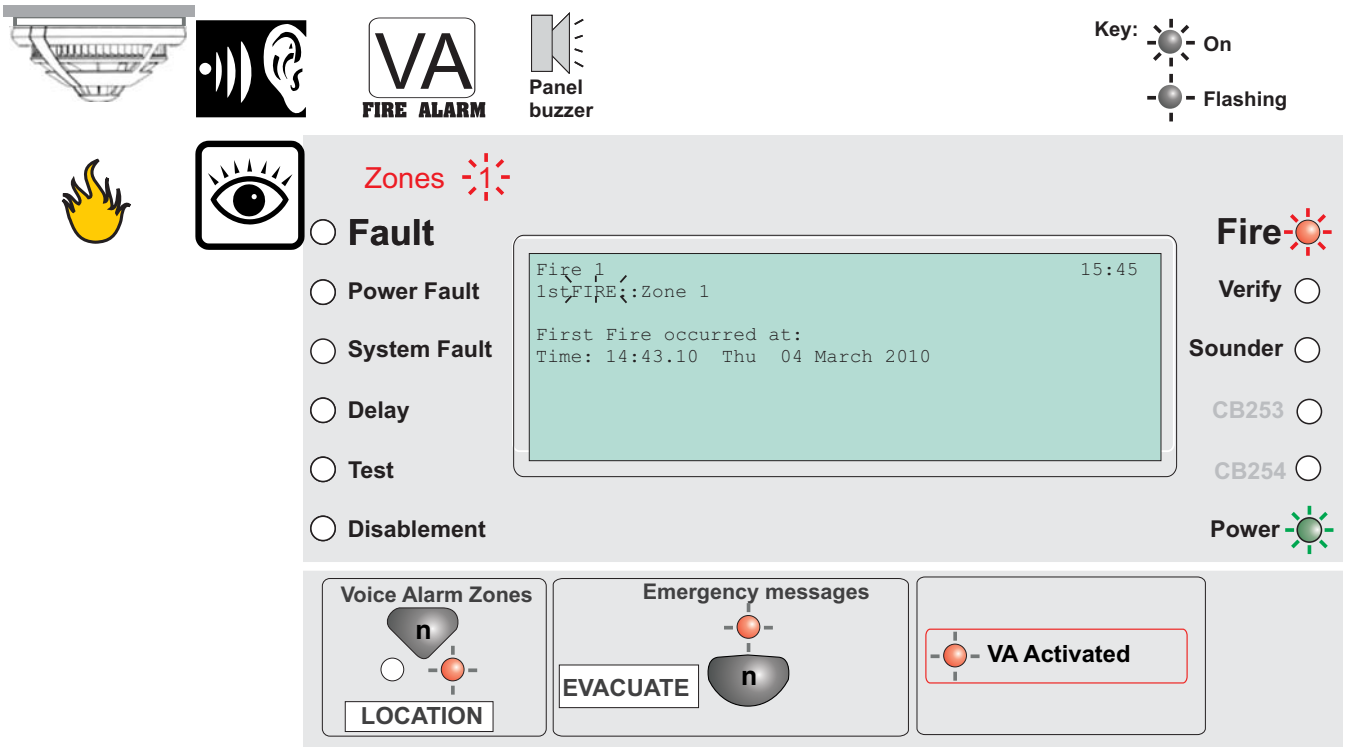
- ☐ Going to the nearest manual call point that is located away from the fire hazard.
- ☐ Press hard with a thumb onto the centre of the manual call point.




| | | |
|---|---|---|
| **To cancel panel buzzer** | You can stop the panel buzzer from sounding. | **Cancel Buzzer**<br>Press:<br>Display reads:<br>*'Buzzer cancelled'* |
| **To silence alarms** | When the emergency is over the voice alarm can be silenced. | **Silence Alarms**<br>Press:<br>Display reads:<br>*'Alarms silenced'* |
| **To reset system** | To return the system to normal condition replace the glass or reset the element in all the manual call point that was activated. | **Reset**<br>Press:<br>Display reads *'System being Reset - please wait....'* |
| **Record the event** | Make an entry in the log book of the event for future reference. | |

# Automatic detection of FIRE

A fire in your protected premises is automatically sensed at any one of the fire detection device installed in the building, such as a sensor or a fire input from an interface. The control panel actions the voice alarm in the system and at the same time give the details of the fire event across the network. The event indication is repeated at all repeat indicators, zonal and mimic panels in the system.




## To cancel panel buzzer

You can stop the panel buzzer from sounding.

**Cancel Buzzer**

Press:

Display reads:

*'Buzzer cancelled'*

## To silence alarms

When the emergency is over, the voice alarm and alarm sounders can be silenced.

**Silence Alarms**

Press:

Display reads:

*'Alarms silenced'*

## To reset system

To return the system to normal condition clear any residual smoke or heat from devices and reset any fire inputs.

**Ensure the fire system is checked by your servicing organisation, if there has been fire damage in the protected area.**

**Reset**

Press:

Display reads '*System being Reset - please wait....'*

## Record the event

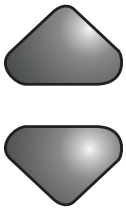
Make an entry in the log book of the event for future reference.

## Multiple fires

'1st Fire' message will always appear at the top of the display. All subsequent fires messages will appear beneath the 1st Fire message.

The zonal indicators show zones in fire condition. If the panel is configured, then the first zone to go into a fire condition is indicated by a flashing zone number, all other zones in fire condition are indicated with a steady indication.


Each fire is logged in the Historic Events log, which can be recalled using the menus, see How to view the Historic Events.



Use these keys to scroll through the fires, or if the outer door is closed, use the **[Previous]** or **[Next]** buttons.

## To verify an alarm

(The verify alarm feature is only applicable if configured for your site.)

Upon detection of fire event the voice alarms in the system can be delayed from making announcements by pressing the Verify button. This allows time to investigate the cause of the alarm.

Note fire announcements will occur after the verify delay period has timed-out.

**Verify**

Press

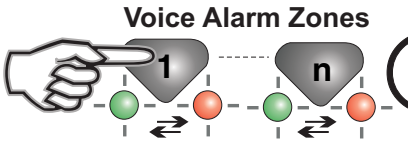
# How to announce an auxiliary message

**Auxiliary Message** 1, 2 or 3

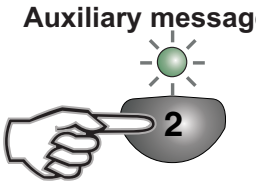
There are three auxiliary messages at the control panel and these are factory set to announce a 'start of fire alarm test', 'end of fire alarm test' and a 'stand down' to inform that the emergency is over. An auxiliary message can be selected at the control panel for announcement in selected voice alarm zone(s) of the system.

**All Auxiliary messages are single shot messages, that is the message will play once only. To make a repeat annoucement you will need to repeat the following process.**


① Open the panel door.



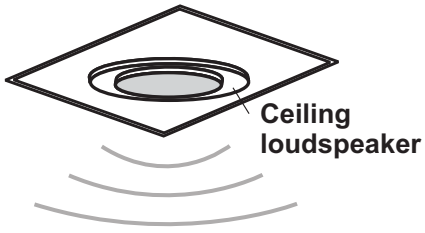

② Select the *Voice Alarm Zones* in which announcements are to be made, to do this press the required *Voice Alarm Zone* number(s), notice the two green - red LEDs on either side of the button flash alternately. If you need to deselect a selected zone then press the button again. To select all zones press the *All Zones* button and note the All Zone green LED is lit.


③ Press the required *Auxiliary message* button:
No.1 Test Start message
No.2 Test End message
No.3 Stand down message

(when selected the green LED above the selected button will be lit)

Notice also the left LED of the selected *Voice Alarm Zone* buttons are lit.



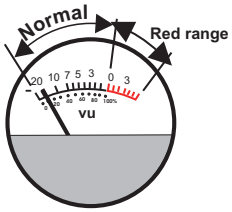

Attention tone followed by announcement are pre-recorded messages

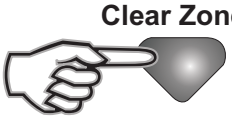
***Factory default standard messages***

**Auxiliary 1 message follows an attention tone:**
***"Attention please, attention please, this is the test of the fire and voice alarm system, there is no need to take any action."***

**Auxiliary 2 message follows an attention tone:**
***"The test of the fire and voice alarm system has now been completed."***

**Auxiliary 3 message follows an attention tone:**
***"May I have your attention please, the cause of the alarm has been investigated and the system reset. There is no cause for concern. Thank you."***



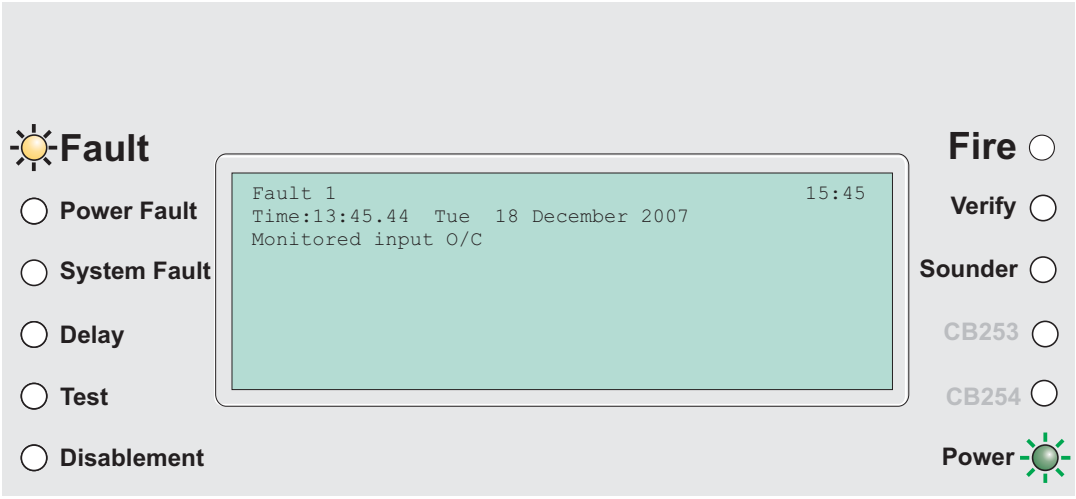

④ To stop the announcement at any time press the *Clear Zones* button. The announcement will either play out or stop immediately dependent on how your system is configured.

## Fault conditions

A fault in the local system such as a failure of the mains power to the panel or removal of any monitoring device will cause a Fault condition at the control panel. The control panel will provide details of the fault event, this event indication is repeated at all networked control panel, repeat indicators and mimic panels in the system.

Panel buzzer

Key: On Flashing




| | | |
|---|---|---|
| **To cancel fault buzzer** | You can stop the panel buzzer from sounding. | **Cancel Buzzer**<br>  <br>Press:<br>Display reads:<br>*'Buzzer cancelled'* |
| **What must be done?** | You need to ensure the panel is returned to normal condition. All fault repairs must be undertaken by engineers responsible for the system. Refer to the contact details in the log book. | |
| **Record the event** | Make an entry in the log book of the event for future reference. | |
| **Multiple faults** | The number '*n*' following the word *'Fault'* located on the top left of the display denotes the number of faults present in the system.<br>Each fault is logged in the Historic Events log, which can be recalled using the menus, see How to view the Historic Events. | |

**Only a trained engineer who is responsible for the fire alarm system must attempt any fault rectification work. For advice please call your servicing organisation, see contact details in the Log book.**

## Typical fault messages

The following table shows some of the more typical fault messages that may occur along with their meaning and possible rectification action.

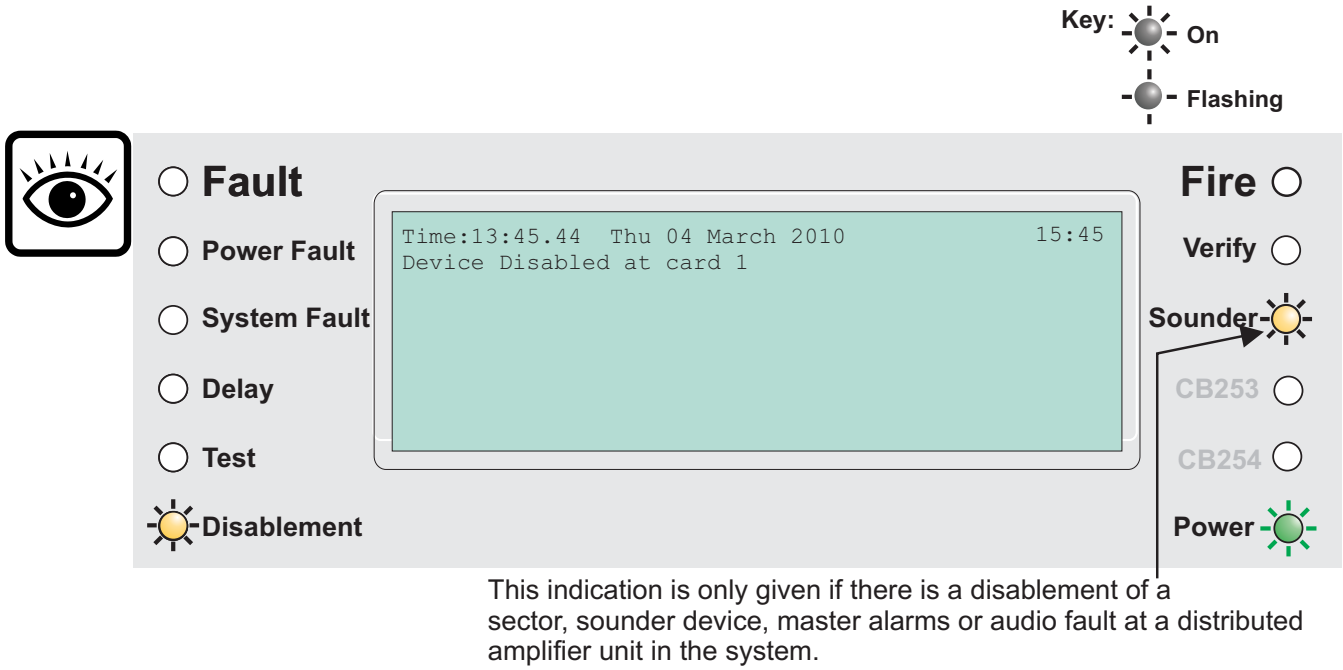
Flashing  On 

| Message | Indication | Meaning | Action |
|---|---|---|---|
| **Mains failed** | Fault<br>Power fault | The mains supply to the control panel has failed. | Restore the mains supply to the control panel. |
| **Battery discharged** | Fault<br>Power fault | The battery supply to the control panel has been fully discharged. | Check the battery and replace if necessary. |
| **Battery disconnected** | Fault<br>Power fault | The battery supply to the control panel has been disconnected. | Reconnect the battery. |
| **ACC loop 1 OC** | Fault | There is an open circuit wiring fault on the audio loop circuit. | Check the wiring and rectify the fault. |
| **ACC loop 1 SC** (1, 4) | Fault | There is an open or short circuit wiring fault on the audio loop circuit. The numbers (1,4) signify loop and micro DAU device at which the wiring fault has been detected. | Check the wiring and rectify the fault. |
| **Speaker circuit OC or SC** | Fault<br>Sounder | There is a open or short circuit wiring fault on a speaker wiring. | Check the indication given at the micro DAU to determine which speaker circuit has a fault. Rectify the wiring fault. |
| **Master Alarm(s) OC or SC n** | Fault<br>Sounder | There is an open or short circuit fault on the master alarm wiring. | Check the wiring and remove the fault. Ensure the end-of-line device is connected in the circuit. |
| **Lost Device** | Fault<br>Sounder | The Device is not communicating with the Control Panel via the loop.<br>Additional 'Sounder' indication given if it is a micro Distributed Amplifier Unit or a sounder device | Check the connections to the device. |
| **Sensor out of specification** | Fault | The device indicated is not functioning correctly. | Device requires maintenance. |

| | | | |
|---|---|---|---|
| **Wiring changed short circuit at card n** | Fault | There is a short circuit on loop *n* (Card n) wiring. | Identify the device where a cable fault has occurred and rectify the fault. |
| **Interface input OC or SC** | Fault | There is an open or short circuit on the input line of an interface. | Locate and rectify the wiring fault. Ensure the end-of-line device is connected in the circuit. |
| **Device Mains failed** | Fault | There is a mains supply failure at an interface unit or a mimic panel. | Check the mains fuse and mains supply to the equipment. |
| **Device Battery fault** | Fault | The battery supply at an interface unit or mimic panel has failed the load test. | Check the battery and replace it if necessary. |

## Disablement condition

A disablement condition is the manual or automatic disablement of a part of the local fire detection and voice alarm system. An automatic disablement may be pre-configured for your premises to disable smoke sensors during the normal working hours if there is a likelihood of smoke being present. A manual disablement may be necessary where building work is being undertaken that could result in a false alarm.




| | |
|---|---|
| **What must be done?** | Investigate the reason for the disablement and re-instate the device(s) if appropriate. |
| **Record the event** | Where necessary make an entry in the log book of the event for future reference. |
| **Multiple Disablements** | The number '*n*' following the word *'Disable'* located on the top left of the display denotes the number of disablements present in the system.<br>Each disablement is logged in the Historic Events log which can be recalled, using the menus, see How to view the Historic Events. |

## Typical disablement messages

The following table shows some typical disablement messages that may appear at the panel.

| Message | Indication | Meaning | Action |
|---|---|---|---|
| | Disablement | The central background music has been disabled. | The music may have been disabled manually, if required re-enable the background music. |
| | Disablement | The PA microphone has been disabled. | If manually disabled then investigate and if necessary re-enable the microphone. |
| `Zone Disabled at Card n` | Disablement | The zone specified has been manually or automatically disabled. | If manually disabled then investigate and if necessary re-enable the zone. |
| `Device disabled at Card n` | Disablement | The device connected to the loop circuit has been manually or automatically disabled. | If manually disabled then investigate and if appropriate re-enable the device. |
| | Sounder | Additional indication given if it is a sounder device or a Distributed Amplifier Unit. | |
| `Sector disabled at card n` | Disablement<br>Sounder | The fire alarm sector on loop *n* has been manually or automatically disabled. | If manually disabled then investigate and if appropriate re-enable the sector. |
| `Aux Relay n Disabled` | Disablement | The auxiliary relay *n* in the control panel has been manually or automatically disabled. | If manually disabled then investigate and if appropriate re-enable the aux relay. |
| `Master alarms disabled` | Disablement<br>Sounder | The master alarms have been manually or automatically disabled. | If manually disabled then investigate and if appropriate re-enable the master alarms. |

**Any changes to the setting of an automatic disablement must only be attempted by a trained engineer who is responsible for the fire alarm system. See contact details in the Log book.**

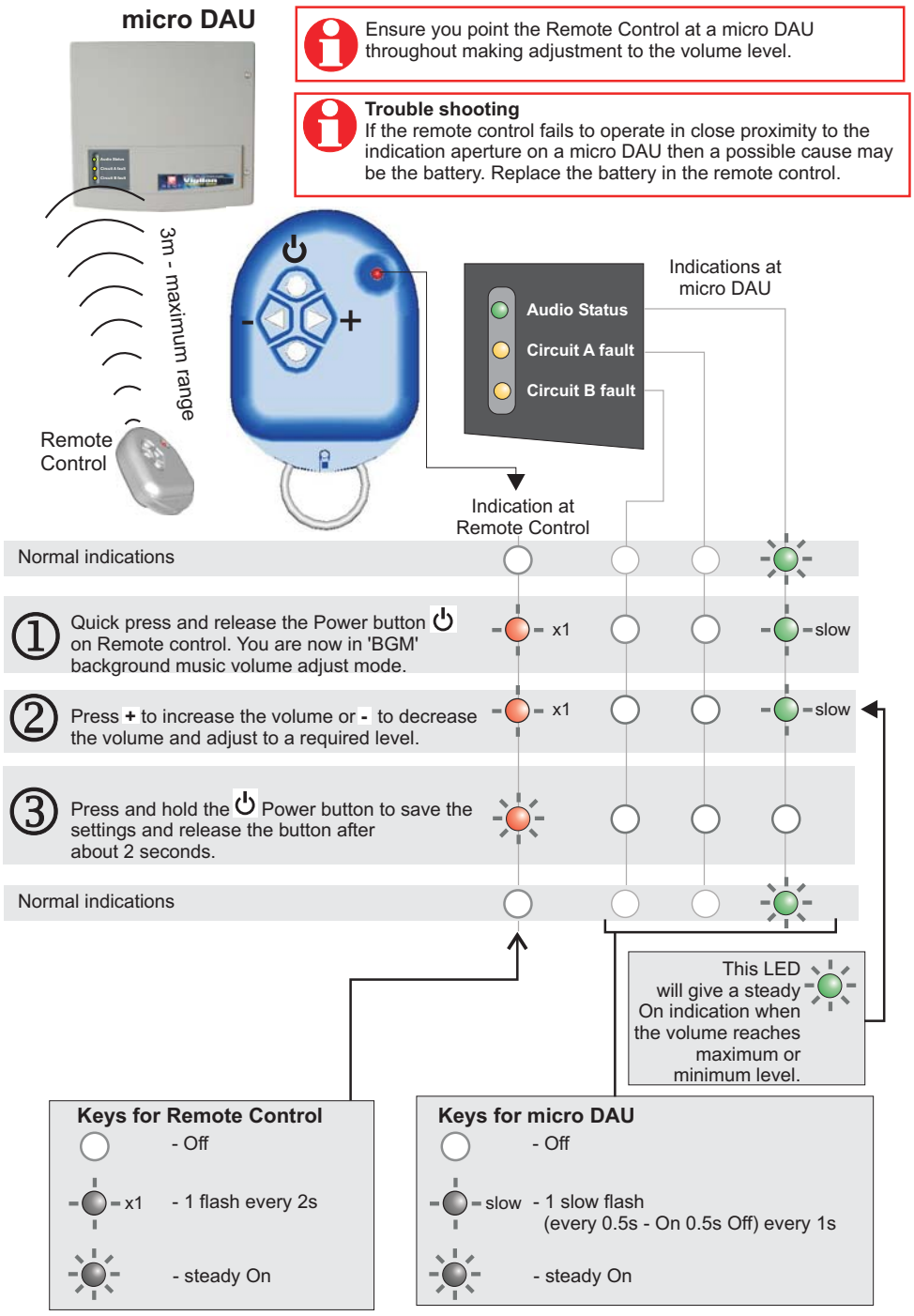
# How to adjust the background music volume

In certain types of applications, such as in a hospital, there may be a requirement to set the volume level of the background music at a Distributed Amplifier Units (DAU) using a remote control. This volume adjustment will apply to the speaker circuits associated with the respective DAU.

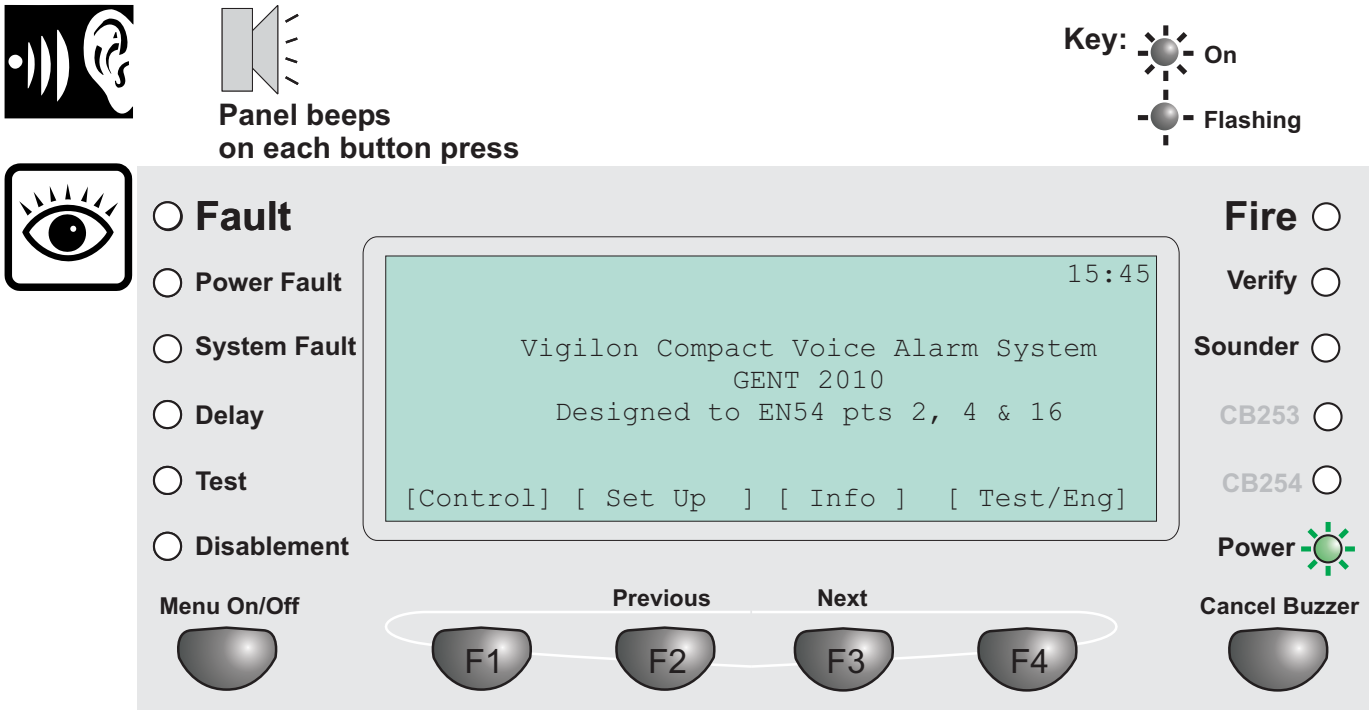
## Mains powered Distributed Amplifier Unit volume control


Using the controls at a Mains Powered Distributed Amplifier Unit you can set the required audio volume of the background music to a specific level.

## micro Distributed Amplifier Unit volume control



# Menu controls




The **MENU ON/OFF** button facilitates the operation of the function keys F1 to F4. The menu prompts appear above the function keys on the display, to prompt the user to make a selection.

At any level in a menu, a single press of the **MENU ON/OFF** key will abort the operation. However as an alternative the **[Quit]** prompt can be selected to exit the function mode.

If the time taken between key presses exceeds *five minutes*, the control panel will automatically remove the prompt display and give the system status indications.

The **[Params]** prompt is a Help function to provide information to the user regarding the type of input data required.

Most of the functions in the **[Control], [Setup]** and **[TestEng]** menus, are protected with password entry. The PIN code is programmed during commissioning of the system and is passed on to the site person responsible for the fire alarm system.

**An open access to controls under Usercode is undesirable. It is recommended that a customer password (PIN code) is setup at the panel.**

If a PIN code is not set up at the control panel then ignore the instructions relating to the selection of'select [User Code]' for operation of functions covered in the following pages.

## How to carry out a display test

You can test the message display and the indicators on the control panel.

a. Press the **MENU ON/OFF** key and then the F4 key to select **[Test/Eng].**

b. Press the F1 key to select **[Disp Test]**. Check that the following things happen: The display clears, all the indicators illuminate, the display blanks and each pixel of the display is tested, the zonal indicators are illuminated odd then even numbers are lit, the buzzer sounds two distinct tones and then the display shows the system status message. The display test lasts for 4 seconds.

## How to change your PIN code

**The terms *Password, PIN, Usercode and Access code* are used interchangeably and mean the same.**

A user PIN code is normally set up by the servicing organisation during commissioning of the fire alarm system. The customer PIN code (password) is set up is for the end user. The person responsible for the fire alarm system should be aware of this PIN code. For security the PIN should be changed on a regular basis. A previously created PIN can be changed by:

a. Press the **MENU ON/OFF** button.

b. Press the F4 button to select **[Test/Eng]**.

c. Press the F4 button to select **[UserCode]**. Use the keypad to input your existing access code and then press the Enter button.

d. Press the F4 key to select **<etc>,** repeat until **[NewPass]** is displayed.

e. Press the F1 button to select **[New Pass]**. Notice a message on the display 'Enter new access code' with a flashing cursor above it. Use the keypad to input a PIN code and then press the Enter button. Notice 'New access code set up' appears on the display.

**Any changes made to the PIN code at the Control panel must be backed-up to the panel memory. If this is not done then the previous PIN is restored on resetting the panel, see section on How to save changes to memory.**

**It is not necessary to backup the password held at a repeat panel.**

## How to view the historic events

There can be up to 255 events stored in the Historic log of the panel. To view the Historic events log.

a. Press **MENU ON/OFF**.

b. Press the F3 button to select **[Info]**.

**Ignore step c if an external printer is switched off or is not fitted.**

c. To display the event(s): Press the F1 button to select **[Display]**. Notice 'Display' appears on the display.
To print the event(s): Press the F2 button to select **[Print].** Notice 'Print' appears on the display.

d. Press the F2 button to select **[Historic]**. Notice 'Historic' followed by a flashing cursor appears on the display.

e. Use the keypad to input an event number or range (1-255).

**Event '1' is always the most recent event.**

f. Press the F2 button to select **[Enter].** Notice all the active Fire, Fault and Disablement events will be displayed or printed depending on your selection.

## Cards inside the control panel

In the following text CARD n notation is a physical slot on the PCB inside the panel, while 'Card n' notation is a menu reference used to describe a function.

- ☐ **'Card 0'** is always the Master control board (MCB), which is the central controller of the fire alarm system.
- ☐ **'Card 1'** is always the 1st loop circuit or loop card 1, that is fitted in CARD 1 slot on the master control card. A loop card monitors and controls the devices on a loop circuit
- ☐ **'Card 2'** slot can accept either or both of the following:
  - A 2nd loop card that monitors and controls the devices connected to loop circuit 2. The menus refer to this card as **'Card 2'.**
  - Network card that connects to the other fire control panels in a network system. The menu refers to this card as '**Card 10'**.
- ☐ **'Card 14'** is always the memory which resides on the Master controller board.

## How to save changes to memory

If you make any changes to Labels or Password then you must save these to the NVM (Non Volatile Memory) or Memory of the panel. The 'save' option is only available when the controls are at Access level 2.

**Any changes made to labels and password can only be saved to the NVM (Memory). It is only possible to save changes when there are no active disablements present in the system.**

The following procedures assume a customer password (PIN) is setup by the servicing organisation.

a. Press the **MENU ON/OFF** button.
b. Press the F2 button to select **[Set Up]**.
c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code' followed by a flashing cursor. Use the keypad to input your PIN code and then press the Enter button.
d. Press the F3 button to select **[Save]**.
e. Press the F2 button to select **[Enter].** Observe confirmation message: 'data is backed up'.

## How to view active events

An active event is an event that is still present and has not cleared. You can view all active Fire, Fault or Disablement events.

a. Press **MENU ON/OFF**.
b. Press the F3 button to select **[Info]**.

**Ignore step c if an external printer is switched off or not fitted.**

c. To display the event(s): Press the F1 button to select **[Display]**. Notice 'Display' appears on the display.
To print the event(s): Press the F2 button to select **[Print].** Notice 'Print' appears on the display.
d. Press the F1 button to select **[Active].** Notice 'Active' appears on the display.
e. Press the F2 button to select **[Enter]**. Notice all of the active Fire, Fault and Disablement events will be displayed in turn. Use F2 **[Previous]** and F3 **[Next]** to scroll through the displayed events. You can view events on a card by card basis by following steps a. to d, and then press the F3 button to select **[Card]** and notice 'on card' appears on the display. Enter the card number and press F2 **[Enter].**
f. Press the F4 button to select **[Quit]** when viewing of events is complete.

## How to set the system clock

**An incorrect setting of the system clock will affect any time related sensor configuration and also result in incorrect event time information.**

a. Press the **MENU ON/OFF** key and then the F2 key to select **[Set Up]**.
b. Press the F4 key to select **[User Code]**. Check that *User Code* followed by a flashing cursor appear on the screen. Key in the PIN code and press the Enter button.
c. Press the F1 key to select **[Set Clock]**. The system clock is displayed on the screen. Check that the hour digits are flashing.
d. Press the F2 or F3 key to **[Retard]** or **[Advance]** to the desired setting.
e. Press the F1 key to select **[Next]**. Check that the Minute digits are now flashing.
f. Press the F2 or F3 key to **[Retard]** or **[Advance]** to the desired setting.
g. Press the F1 key to select **[Next]**. Check that the Date digits are now flashing.
h. Press the F2 or F3 key to **[Retard]** or **[Advance]** to the desired setting.
i. Press the F1 key to select **[Next].** Check that the Month is now flashing.
j. Press the F2 or F3 key to **[Retard]** or **[Advance]** to the desired setting.
k. Press the F1 key to select **[Next]**. Check that the Year is now flashing.
l. Press the F2 or F3 key to **[Retard]** or **[Advance]** to the desired setting.
m. Press the F4 key to select **[Enter]**. Check that the display now shows the new time and date.

**Any changes made to time and date here will be automatically updated at the repeat panels installed in the system. This system does not automatically update clock for daylight-saving changes. 'Save' these changes at the panel.**

## How to use the external printer

These functions are only applicable if your panel has a external printer connected.

### *To Switch On the Printer*

a. Press the **MENU ON/OFF** key.
b. Press the F1 key to select **[Control]**.
c. Press the F3 key to select **[Printer]**. Check that *'Printer'* appears on the screen.
d. Press the F3 key to select **[On]** and then press the F2 key to select **[Enter].** Check that the message *'Printer is on'* appears on the display and a printout is produced to show that the action has been successfully carried out.

### *To action a Paper Feed*

a. Press the **MENU ON/OFF** key.
b. Press the F1 key to select **[Control]**.
c. Press the F3 key to select **[Printer]**. Check that *'Printer'* appears on the screen.
d. Press the F2 key to select **[Paper Fd]**.
e. Check that the displayed messages and the menu prompts are cleared.
f. Check that the printer performs eight line feeds.

### *To conduct a Printer Test*

a. Press the **MENU ON/OFF** key.
b. Press the F1 key to select **[Control]**.
c. Press the F3 key to select **[Printer]**. Check that *'Printer'* appears on the screen.
d. Press the F1 key to select **[Test]**.
e. Check that the displayed messages and the menu prompts are cleared.
f. Check that the printer provides a listing of all the characters it is capable of printing.

### *To Switch Off the Printer*

a. Press the **MENU ON/OFF** key.
b. Press the F1 key to select **[Control]**.
c. Press the F3 key to select **[Printer]**. Check that *'Printer'* appears on the screen.
d. Press the F3 key to select **[Off]**
e. Press the F2 key to select [**Enter]**.
f. Check that the message *'Printer is off'* appears on the display to show that the action has been successfully carried out.

## How to enable/disable a zone

A zone is a subdivision of your premises protected by the fire alarm system. There can be up to 128 zones configured in a system. Any zone operation can be disabled or enabled. You will need to know the zone number that will need to be enabled/disabled, this you can find in the site specific documentation held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts *'Disable'* on the display. To enable: Press the F1 button to select **[Enable]**. This puts *'Enable'* on the display.
e. Press the F4 button to select **<etc>** and then press the F2 button to select **[Zone]**. Notice *'Zone'* appears on the display followed by a flashing cursor. Use the keypad to input a zone number or range (1-128).
f. Press the F2 button to select **[Enter].** Notice the action has been processed and a message appears on the display *'Zone n enabled' or 'Zone n disabled'.* The Disablement light will be illuminated upon disablement of any zone.

## How to enable/disable a device

**It is *only* possible to disable a Manual Call Point (MCP) individually, not as part of a range. Disabling a MCP is however not recommended.**

A device can be any system equipment that is connected to the loop circuit of the system. There can be up to 200 devices per loop. Any device operation can be disabled and re-enabled. You will need the device number and loop number, this you can find in the site specific documentation held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts *'Disable'* on the display. To enable: Press the F1 button to select **[Enable]**. This puts *'Enable'* on the display.
e. Press the F1 button to select **[Device].** Notice 'Device' followed by a flashing cursor appears on the display. Use the keypad to input a device number or range (1-200).
f. Press the F2 button to select **[Loop]**. Notice *'Loop'* followed by a flashing cursor on the display. Use the keypad to input a loop number or range (1-2).
g. Press the F2 button to select **[Enter]**. Notice the action has been processed and confirmed by a message either: **'***Device(s) enabled'* or *'Device(s) disabled'*. Notice that the Disablement light is lit upon disablement of any system device.

## How to enable/disable an IO line

An IO line is an input or output line of an interface. There can be up to four input/output lines on an interface unit, which can be disabled or enabled. You will need the IO line number, device number and loop number, this you can find in the site specific documentation is held by the person responsible for the fire alarm system.

**An output line of an interface unit (such as the mains powered interface unit) may be assigned to a sector. Such output line can only be disabled by disabling that sector, which has the effect of also disabling all other devices in the sector.**

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts 'Disable' on the display. To enable: Press the F1 button to select **[Enable]**. This puts 'Enable' on the display.
e. Press the F2 button to select **[IO Line].** Notice 'IO Line' followed by a flashing cursor appear on the display. Use the keypad to input the IO line number or range (1-4).
f. Press the F2 button to select **[Device].** Notice 'Device' followed by a flashing cursor appear on the display. Use the keypad to input a device number or range (1-200).
g. Press the F2 button to select **[Loop]**. Notice 'Loop' followed by a flashing cursor on the display. Use the keypad to input a loop number or range (1-2).
h. Press the F2 button to select **[Enter]**. Notice the action has been processed and a message appears on the display: 'IO line disabled/enabled at Card n'. The disablement light will illuminate upon disablement of an IO line.

## How to enable/disable public address

The public address (PA) microphone connected to the control panel when operated will allow live announcements to pre-configured *Voice Alarm Zones*. This facility can be disabled or enabled.

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts 'Disable' on the display. To enable: Press the F1 button to select **[Enable].** This puts 'Enable' on the display.
e. Press the F4 button three times to select **<etc>** and then press the F2 button to select **[Audio]**. Notice 'Audio' appears on the display.
f. Press the F1 button to select **[ PA ]** and then F2 button to select **[Enter]**. Notice the action has been processed and a message appears on the display: 'Audio PA disabled/enabled'. Also if disabled the Disablement LED is lit.

## How to enable/disable background music

The optional entertainment system connected to the control panel will output background music to pre-configured *Voice Alarm Zones*. This facility can be disabled or enabled.

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts 'Disable' on the display. To enable: Press the F1 button to select **[Enable].** This puts 'Enable' on the display.
e. Press the F4 button three times to select **<etc>** and then press the F2 button to select **[Audio]**. Notice 'Music' appears on the display.
f. Press the F2 button to select **[ Music ]** and then the F2 button to select **[Enter]**. Notice the action has been processed and a message appears on the display: 'Audio BGM disabled/enabled'. Also if disabled the Disablement LED is lit.

## How to enable/disable aux relay

The control panel has two auxiliary relays that provide voltage free contacts to control external equipment in the event of a fire or fault on the system. The operation of the relays can be disabled or enabled.

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select **[Control]**.
c. Press the F4 button to select **[UserCode]**. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keypad to input your PIN code and then press the Enter button.
d. To disable: Press the F2 button to select **[Disable]**. This puts 'Disable' on the display. To enable: Press the F1 button to select **[Enable].** This puts 'Enable' on the display.
e. Press the F4 button twice to select **<etc>** and then press the F2 button to select **[Aux Rly]**. Notice 'Aux Rly' followed by a flashing cursor appears on the display. Use the keypad to input an auxiliary relay number or range (1-2).
f. Press the F2 button to select **[Enter]**. Notice the action has been processed and a message appears on the display: 'Aux Rly n disabled/enabled'. The Disablement light will illuminate upon disablement of an auxiliary relay.

## Other enable/disable options

There are many other functions that are accessible for enablement and disablement. Functions like Command Build, Group, Master Sector and Communication which are normally not accessed, for further advice contact your servicing organisation, see the contact details in the Log book.

## Viewing labels

The identification label given to each system device can be checked, devices such as fire sensors, alarm sounders, manual call points, interface units - including input/output lines, other functions such as zones and groups can be given labels and also the local panel can be given a label. The label information can either be displayed or printed.

## How to view device labels

Each device is given a location label at the time the system is commissioned to identify its location. To view a device label you will need to know the device address and the loop on which it resides. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button.

b. Press the F3 button to select **[Info].**

**Ignore step c. if the external printer switched off or is not fitted.**

c. To display a Device label: Press the F1 button to select **[Display]**. Notice 'Display' appears on the display. To print a Device label: Press the F2 button to select **[Print].** Notice 'Print' on the display then continue

d. Press the F4 button to select **<etc>**.

e. Press the F2 button to select **[Label].** Notice 'Label' appears on the display.

f. Press the F3 button to select **[Device].** Notice 'Device' followed by a flashing cursor appears on the display. Use the keypad to input a Device number or range (1-200).

g. Press the F2 button to select **[Loop]**. Notice 'Loop' followed by a flashing cursor appears on the display. Use the keypad to input a loop number or range (1-2).

h. Press the F2 button to select **[Enter]**. Notice the selected label information is either displayed or printed.

## How to view I/O line labels

An interface unit can have up to four input/output (IO) lines. Each line can be given a label that appears on the display during an event. To view an IO line label you will need to know the device address and the IO line number and the loop number of the interface. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button

b. Press the F3 button to select **[Info]**.

**Ignore step c. if the external printer switched off or is not fitted.**

c. To display an I/O line label: Press the F1 button to select **[Display]**. Notice 'Display' appears on the display.
To print an I/O line label: Press the F2 button to select **[Print]**. Notice 'Print' on the display, then continue.

d. Press the F4 button to select **<etc>**

e. Press the F2 button to select **[Label]**. Notice 'Label' appears on the display.

f. Press the F2 button to select **[IO Line].** Notice 'IO Line' followed by a flashing cursor on the display. Use the keypad to enter an input/output number or range (1-4).

g. Press the F2 button to select **[Device]**. Notice 'Device' followed by a flashing cursor on the display. Use the keypad to input a Device number or range (1-200).

h. Press the F2 button to select **[Loop]**. Notice 'Loop' followed by a flashing cursor appears on the display. Use the keypad to input a loop number or range (1-2).

i. Press the F2 button to select **[Enter]**. Notice the selected label information is either displayed or printed.

## How to view zone labels

A zone is a subdivision of a building used for fire detection. To view a zone label you will need to know the zone number and the loop on which it resides. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button.
b. Press the F3 button to select **[Info]**.

**Ignore step c. if the external printer switched off or is not fitted.**

c. To display a Zone label: Press the F1 button to select **[Display].** Notice 'Display' appears on the display.
   To print a Zone label: Press the F2 button to select **[Print].** Notice 'Print' on the display.
d. Press the F4 button to select **<etc>**.
e. Press the F2 button to select **[Label].** Notice 'Label' appears on the display.
f. Press the F4 button once to select **<etc>.**
g. Press the F1 key to select **[Zone]**. Notice 'Zone' followed by a flashing cursor appears on the display. Use the keypad to input a Zone number or range (1-128).
h. Press the F2 key to select **[Enter]**. Notice the selected label information is either displayed or printed.

## How to view the local panel label

When there is a network of control panels connected together in a system then each panel is usually given an identification label, also referred to as the Local panel label.

a. Press the **MENU ON/OFF** button.
b. Press the F3 button to select **[Info].**

**Ignore step c. if the external printer switched off or is not fitted.**

c. To display the local panel label: Press the F1 button to select **[Display].** Notice 'Display' appears on the display.
   To print the local panel label: Press the F2 button to select **[Print]**. Notice 'Print' appears on the display.
d. Press the F4 button to select **<etc>**
e. Press the F2 button to select **[Label].** Notice 'Label' appears on the display.
f. Press the F4 button once to select **<etc>.**
g. Press the F2 key to select **[Local].** Notice 'Local' appears on the display.
h. Press the F2 key to select **[Enter]**. Notice the selected label information is either displayed or printed.

## To view or print a loop map

A loop map provides information on devices that are connected to a loop on the system.

a. Press the **MENU ON/OFF** button.

b. Press the F3 button to select **[Info]**.

**Ignore step c. if the external printer switched off or is not fitted.**

c. To display the loop map: Press the F1 button to select **[Display].** Notice 'Display' appears on the display.
To print the loop map: Press the F2 button to select **[Print]**. Notice 'Print' appears on the display.

d. Press the F4 button to select **<etc>**. Repeat operation until **[Loop Map]** is displayed.

e. Press the F3 button to select **[Loop Map]**. Notice 'Loop Map' followed by a flashing cursor on the display.

f. Use the keypad to enter the loop number and press F3 to **[Enter]**. Notice the loop map is either printed or displayed.

## Editing labels

**Changes to labels must be backed up to the Memory, see the section 'Saving changes to the memory'.**

## How to edit a device label

A device is also referred to as an outstation. There can be up to 200 devices connected to a loop. Devices like fire sensors, manual call points, interface units, repeat panels or alarm sounders. Each device can be given a label to identify its location in the system. Devices in your system may have already been given labels and these labels can be changed. To edit a device label you will need to know the device number and the loop on which it resides. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button

b. Press the F2 button to select **[Set Up].**

c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code', followed by a flashing cursor. Use the keypad to input your PIN and then press Enter button.

d. Press the F4 button once to select **<etc>**

e. Press the F1 button to select **[Modify].** Notice 'Modify' appears on the display.

f. Press the F1 button to select **[Label].** Notice 'Label' appears on the display.

g. Press the F3 button to select **[Device].**Notice 'Device' followed by a flashing cursor appears on the display.

h. Use the keypad to input a Device number.

i. Press the F2 button to select **[Loop]**. Notice 'Loop' followed by a flashing cursor on the display. Use the keypad to input a loop number [1-2].

j. Press the F2 button to select **[Enter].** Notice the previous label appears on the display with a flashing first character to prompt the modification, if there is no label the line is blank.

k. Using the keypad enter a label of up to 32 characters in length (28 for MCP) and press the **Enter** button.

## How to edit Input/output line label

Each input / output (IO) line of an interface unit can be given a label and a previously entered label can be modified. To edit an IO line label you will need to know the IO line number, interface device number and the loop number it is connected to. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button.
b. Press the F2 button to select **[Set Up].**
c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code', followed by a flashing cursor. Use the keypad to input your PIN and then press Enter button.
d. Press the F4 button once to select **<etc>**
e. Press the F1 button to select **[Modify]**. Notice 'Modify' appears on the display.
f. Press the F1 button to select **[Label]**. Notice 'Label' appears on the display.
g. Press the F2 button to select **[IO Line]**. Notice 'IO Line' followed by a flashing cursor on the display. Using the keypad enter an input/output number or range (1-4).
h. Press the F3 button to select **[Device].** Notice 'Device' followed by a flashing cursor appears on the display. Use the keypad to input a Device number from the range 1-200.
i. Press the F2 button to select **[Loop]**. Notice 'Loop' followed by a flashing cursor on the display. Use the keypad to input a loop number or range (1-2).
j. Press the F2 button to select **[Enter].** Notice the previous label appears on the display with a flashing first character to prompt the modification, if there is no label the line is blank.
k. Using the keypad enter a label of up to 32 characters in length and press the **Enter** button.

## How to edit a zone label

Each zone can be given a label and an entered label can be modified. To edit a zone label you will need to know the zone number. You can find this information in the site specific documentation, held by the person responsible for the fire alarm system.

a. Press the **MENU ON/OFF** button.
b. Press the F2 button to select **[Set Up].**
c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code', followed by a flashing cursor. Use the keypad to input your PIN and then press Enter button.
d. Press the F4 button once to select **<etc>**
e. Press the F1 button to select **[Modify]**. Notice 'Modify' appears on the display.
f. Press the F1 button to select **[Label]**. Notice 'Label' appears on the display.
g. Press the F4 button once to select **<etc>.**
h. Press the F1 button to select **[Zone]**. Notice 'Zone' followed by a flashing cursor appears on the display. Using the keypad enter a number or range (1-128).
i. Press the F2 button to select **[Enter]**. Notice the previous label appears on the display with a flashing first character to prompt the modification, if there is no label the line is blank.
j. Using the keypad enter a label of up to 32 characters in length and press the **Enter** button.

## How to edit a local panel label

The local panel label is normally given to the control panel to identify its location in a network of control panels. A previously entered label can be modified.

a. Press the **MENU ON/OFF** button.
b. Press the F2 button to select **[Set Up].**
c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code', followed by a flashing cursor. Use the keypad to input the PIN and then press Enter button.
d. Press the F4 button once to select **<etc>**.
e. Press the F1 button to select **[Modify]**. Notice 'Modify' appears on the display.
f. Press the F1 button to select **[Label]**. Notice 'Label' appears on the display.
g. Press the F4 button once to select **<etc>**.
h. Press the F2 button to select **[Local]**. Notice 'local' appears on the display.
i. Press the F2 button to select **[Enter].** Notice the previous label appears on the display with a flashing first character to prompt the modification, if there is no label the line is blank.
j. Using the keypad enter a label of up to 40 characters in length and press the **Enter** button.

## How to edit the custom label

A custom label or message is displayed beneath the *Designed to EN54 Pt s 2 , 4 & 16* line on the panel. The message or label can be up to 40 characters in length and it can be contact information of the person responsible for the fire alarm system or it can have contact phone number of the servicing organisation. Example: "For service call: *phone number*".

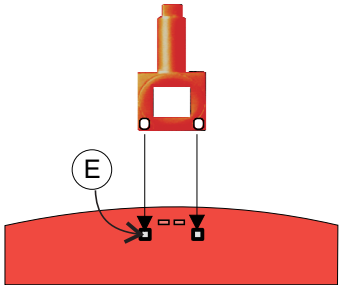
A previously entered message or label can be modified.

a. Press the **MENU ON/OFF** button.
b. Press the F2 button to select **[Set Up].**
c. Press the F4 button to select **[UserCode]**. Notice a message on the display 'Enter access code', followed by a flashing cursor. Use the keypad to input the PIN and then press Enter button.
d. Press the F4 button once to select **<etc>**.
e. Press the F1 button to select **[Modify]**. Notice 'Modify' appears on the display.
f. Press the F1 button to select **[Label]**. Notice 'Label' appears on the display.
g. Press the F4 button once to select **<etc>**.
h. Press the F2 button to select **[Custom]**. Notice 'Custom' appears on the display.
i. Press the F2 button to select **[Enter].** Notice the previous label appears on the display with a flashing first character to prompt the modification, if there is no label the line is blank.
j. Using the keypad enter a label of up to 40 characters in length and press the **Enter** button.

# Maintenance

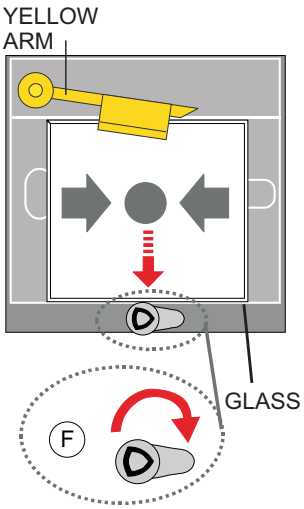
## Replacing the glass on a Manual Call Point

a. Disengage the front cover from the call point assembly using the end of the test key. Insert the key into the slots 'E' and from the bottom edge lift out the cover.




b. Carefully remove broken glass.

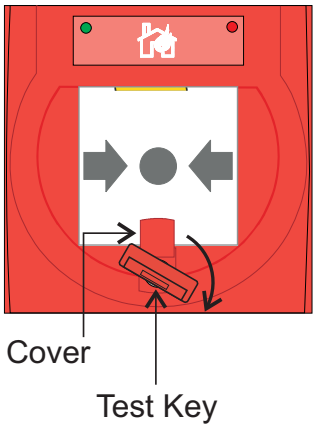
**Take appropriate precautions when clearing broken glass to prevent injury.**




c. Turn the test key such that the tab is at position 'F' and insert a new glass as shown.

d. Hook the front cover onto the top edge of the call point assembly and then push the bottom edge down until it click shuts. Check both hooks on the top of the front cover are locked onto the call point assembly.

e. Turn the test key anticlockwise one quarter of a turn such that the glass is held under the yellow arm.




S4-34891 Spare MCP glass (Pack of 10)

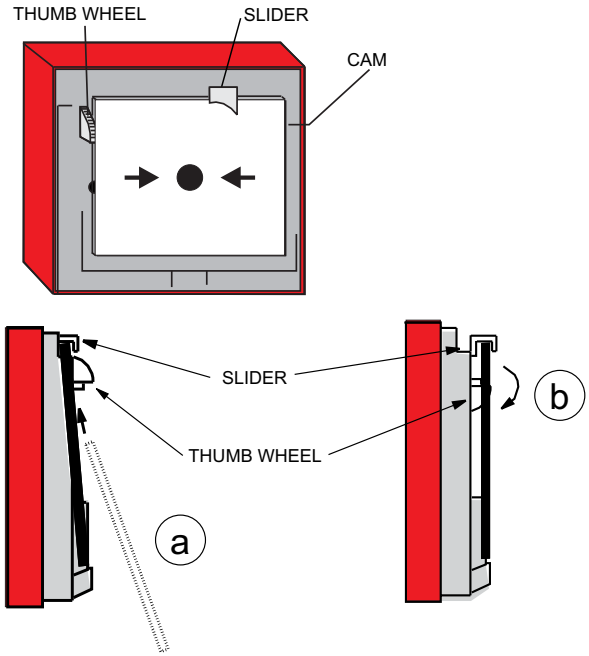
## Resetting the resettable element on a Manual Call Point

Slide the cover upwards to expose the key hole. Insert the test key in the keyhole and turn it clockwise by one quarter of a turn. Then turn the test key anticlockwise by one quarter of a turn to reset the call point element.

## Replacing broken glass on an old Manual call point

**Take appropriate precautions when clearing broken glass to prevent injury.**

**A weather resistant version of the manual call point will have two gaskets, a Cover/glass gasket and a Spacer/cover gasket, which must be installed in their respective positions.**




These procedures assume the cover on the manual call point has been removed and any broken glass has been cleared.

a. Feed the glass upward to push the cams down and fit it under the slider, locate bottom of glass into recess.

b. Hold the bottom of glass in position and rotate the thumbwheel quadrant to raise the top of the glass.

c. Fit the call point cover by hooking it into the top of the unit, making sure that the glass is properly seated (held down) tighten the cover fixing screw.

d. Test that the manual call point functions correctly.

## Battery replacement

It is recommended that batteries are replaced at 4 yearly intervals from the date the Vigilon compact system is first commissioned.

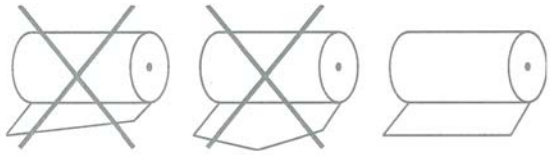
**Any servicing work on the system must be carried out by a suitably trained person, such as one from the servicing organisation.**

**Ensure the batteries are disconnected at the battery box during servicing.**

## Printer paper roll

If an optional thermal printer is connected to the panel and the paper should run out, then ensure recommended replacement paper roll is used and is fed into the printer correctly.

☐ PRINTER-H-PAPER for handheld printer.



## Repair function

Any wiring fault on the system must be rectified by an engineer from the servicing organisation, see log book for contact details. A wiring fault will require correction to the wiring followed by running a repair command at the main panel.

**The following procedure assumes access is by customer using level 2 password.**

a. Press the **MENU ON/OFF** key.
b. Press the F1 button to select [**Test/Engl**].
c. Press the F4 button to select [**UserCode**]. Notice a flashing cursor and a message on the display 'Enter access code'. Use the keyboard to input your password and then press the Enter button.
d. Press the F1 button to select [**Loop**]. Notice 'Loop' followed by a flashing cursor on the display. Use the keypad to input a loop number or range (1-8).
e. Press the F1 button to select **[Repair]** and then the F2 button to select **[Enter].**

Notes

Notes

Notes

**At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.**

**WEEE Directive:**
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste. Do not burn.



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