



# **VEGA**

## **CONTROL PANEL**

### **USER GUIDE**

**TM0002**

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# TABLE OF CONTENTS

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Chapter	Page
1.0 ACCESS.....	3
1.1 Silence Buzzer.....	5
1.2 Scroll.....	5
1.3 Silence Alarms.....	5
1.4 Reset.....	6
1.5 Delay Override/Acknowledge.....	6
1.6 Evacuate.....	6
1.7 Enter Key (↵).....	7
1.8 Cancel Key (←).....	7
1.9 Numeric keys (0 to 9).....	8
1.10 Arrow Keys.....	8
2.0 ISOLATE MENU.....	9
2.1 ZONES.....	9
2.2 LOOP DEVICES.....	10
2.2.1 Single Device.....	11
2.2.2 Device Range.....	12
2.3 OUTPUT GROUP.....	13
2.4 PANEL FUNCTIONS.....	13
2.4.1 BLC Outputs.....	13
2.4.2 Motherboard Outputs.....	14
2.5 PLANT.....	15
3.0 LIST.....	16
3.1 ZONE.....	17
3.1.1 All Zones.....	17
3.1.2 Zone Information.....	17
3.2 LOOP DEVICES.....	18
3.2.1 Single Loop.....	19
3.2.2 Device Range.....	19
3.3 OUTPUT GROUPS.....	20
3.3.1 All Groups.....	20
3.3.2 Group Information.....	21
3.4 PANEL FUNCTIONS.....	22
3.4.1 BLC Outputs.....	22
3.4.2 Motherboard.....	23
3.4.3 Motherboard Channels.....	23
3.4.4 Motherboard Info.....	24
3.5 PLANT.....	25
3.6 ISOLATIONS.....	25
3.7 ALL EVENTS.....	26
4.0 SET MENU.....	27
4.1 TIME AND DATE.....	27
4.2 PRINTER STATUS.....	28
4.3 ACTIVATE DAY MODE.....	30
5.0 PANEL TEST MENU.....	31

# CHAPTER 1

## ACCESS

### 1.0 ACCESS

The Vega control panel has two user access levels, with access level 1 being available to the user without entry of a special password. Each access level has its own operating criteria as shown in Table 1.0, which restricts operation of the panel by the user.

Feature	Selection Option	Access Level 1	Access Level 2
Panel Controls	Silence Buzzer	✓	✓
	Scroll	✓	✓
	Silence Alarms	-	✓
	Reset	-	✓
	Delay Override/Acknowledge	✓	✓
	Evacuate	-	✓
	Enter Key (□)	✓	✓
	Cancel Key (←)	✓	✓
	Numeric Keys(0 to 9)	✓	✓
	Arrow Keys	✓	✓
Isolate Menu	Zones	-	<input type="checkbox"/>
	Loop Devices	-	<input type="checkbox"/>
	Output Groups	-	<input type="checkbox"/>
	Panel Functions	-	<input type="checkbox"/>
	Plant	-	<input type="checkbox"/>
List Menu	Zones	-	<input type="checkbox"/>
	Loop Devices	-	<input type="checkbox"/>
	Output Groups	-	<input type="checkbox"/>
	Panel Functions	-	<input type="checkbox"/>
	Plant	-	<input type="checkbox"/>
	Isolations	-	<input type="checkbox"/>
	All Events	-	<input type="checkbox"/>
Set Menu	Time and Date	-	<input type="checkbox"/>
	Printer Status	-	<input type="checkbox"/>
	Activate Day Mode	-	<input type="checkbox"/>
Panel Test	Buzzer/LED Test	-	<input type="checkbox"/>

Table 1.0

When the Vega control panel is operating in quiescent condition the LCD will display a "Status Normal" message, as shown in "Figure 1.0", and the "Power On" green status led will be illuminated.



Figure 1.0

To gain entry into access level 2, the user will have to operate any "Numeric" key once to display the password prompt as shown in "Figure 1.1". The user must then input the required access level 2 password and operate the "Enter" key. Once selected the panel will verify the validation of the entry, which will be accepted or rejected. Each operation of a membrane key will be confirmed by a short operation of the internal panel buzzer and entry of each digit will be shown on the display as a "#" symbol, for security reasons.

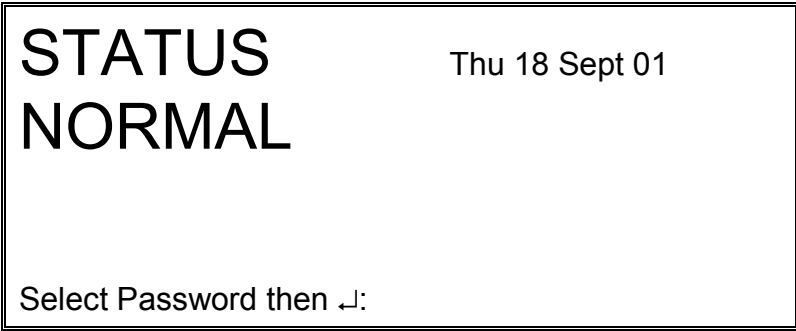


Figure 1.1

Upon acceptance of the entered password the user will be requested to operate a "Numeric" key, to gain access to the menu options (refer to Table 1.0). "Figure 1.2" shows the options selectable from this "Menu".

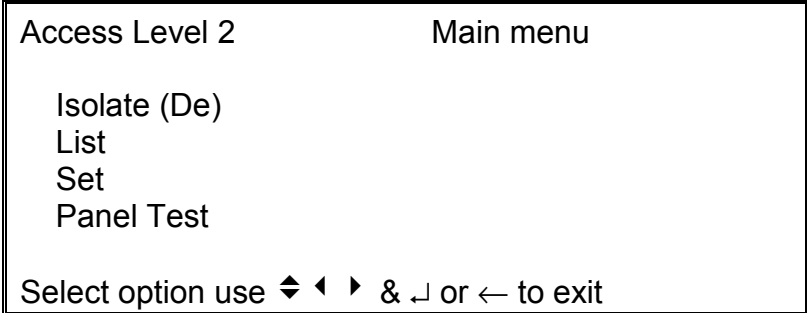


Figure 1.2

## 1.1 Silence Buzzer

Upon activation of the internal panel buzzer(s), operation of the “Silence Buzzer” membrane key will deactivate the buzzer(s). When the key is operated a text message will be displayed, for a short period of time, confirming the operation as shown in “Figure 1.3”.

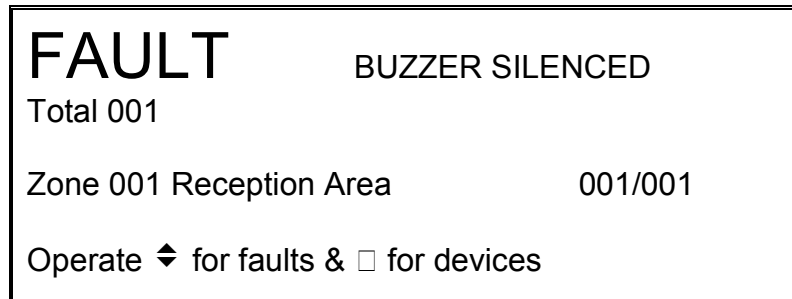


Figure 1.3

When alarm activations occur and timers T1 or T2 have been programmed, operation of the “Silence Buzzer” key will terminate the programmed T1 time period and begin the T2 time period, thus causing a delay to the operation of the panel outputs. Whilst timer T2 is counting down each operation of the “Silence Buzzer” key will extend the timer up to a maximum of 600 seconds in 10 second increments. Extending T2 in this manner will display a message on the LCD display confirming the extension. The message will read “Timers Extended”.

**Note:** On LPCB approved control panels the “Delay Override” key is replaced with an “Acknowledge” key. This key is used to accept all timers and will not allow continuous extension of timers.

## 1.2 Scroll

The “Scroll” key is used when multiple events (Alarm or Fault) exist on the system at one time. The events will be displayed on the LCD and by operation of the “Arrow” keys the appropriate event can be selected and accessed by operation of the “Enter” key. The “Scroll” key will then allow the user to view the devices that have caused the event for the selected area only. Further operation of the “Scroll” key will step through the activations in sequence until the “Cancel” key is operated. Once the “Cancel” key is operated the user may select the next event he wishes to view.

## 1.3 Silence Alarms

The operation of the “Silence Alarms” membrane key will deactivate all outputs, which have been programmed to deactivate and cancel the operation of timers T1 and T2. It will not be possible to operate the control panels “Reset” membrane key until this key has been operated.

Operation will also cause a confirmation message to be shown either locally or globally on the system LCD(s). During an alarm condition operation of this key will cause the pulsing Alarm LED and the first zone to alarms, zonal LED, to operate in a constant mode.

#### 1.4 Reset

Operation of the “Reset” membrane key is only permissible at access levels 2. When operated any activation, which exists on the control panel, will be cleared and the systems status message will be displayed.

#### 1.5 Delay Override/Acknowledge

The operation of the “Delay Override” key is permissible at access levels 1 and 2 and will, when operated, override the operation of any time delays, which have been programmed (T1, 2 and 3). When operated a confirmation message will be displayed and the relevant countdown timer will be cancelled.

**Note:** - On LPCB approved control panels the “Delay Override” key is replaced with an “Acknowledge” key and the deactivation of timers will be by the “Silence Alarms” key. This key is used to accept all timers and will not allow continuous extension of the timers.

#### 1.6 Evacuate

Operation of the “Evacuate” membrane key is only permissible at access levels 2. When the “Evacuate” key is operated all programmed outputs will activate, and the display will show a confirmation message as shown in “Figure 1.4”.

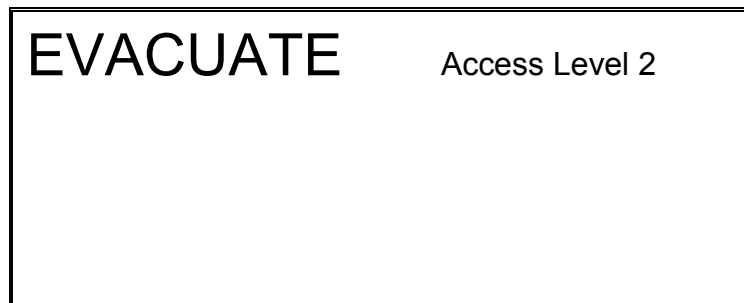


Figure 1.4

When the “Evacuate” mode is entered, all programmed outputs will operate and remain active until the “Silence Alarms” key is operated. Operation of the “Evacuate” key, during a “Priority Alarm” event, will display a confirmation message as shown in “Figure 1.5”.

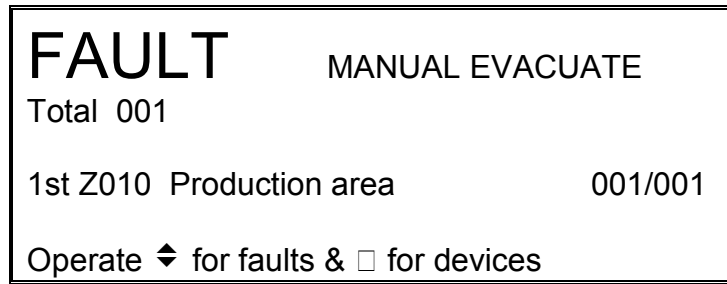


Figure 1.5

### 1.7 Enter Key (↵)

In the “Status Normal” condition operation the “Enter” membrane key will be used for the acceptance of numeric data, confirmation of menu selections and accepting the selections of system information. During priority alarm activations the “Enter” membrane key will be used for viewing the individual device data as shown in “Figure 1.6”. This key works in conjunction with the “Scroll” key as described in section 1.2.

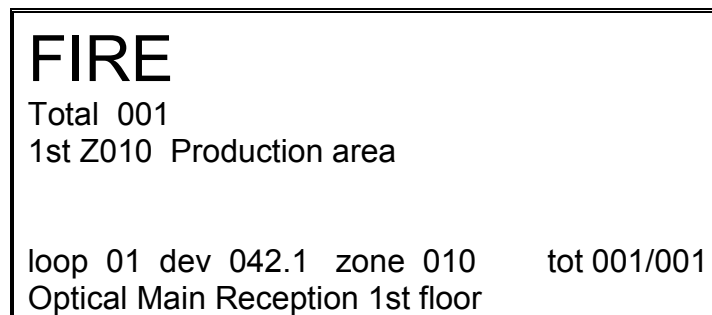


Figure 1.6

### 1.8 Cancel Key (←)

Operation of the “Cancel” membrane key has two functions, which are determined by access levels

- a). Will cancel/deselect the current access menu selection and continued operation will eventually return the display to access level 1.
- b). Whilst the control panel’s internal printer is printing the operation this key will cause a prompt message to be displayed.

The message will request “Cancel Print?” operation of the “Enter” membrane key will cease printing where as operation of the “Cancel” membrane key will allow printing to continue.

## **1.9 Numeric keys (0 to 9)**

The “Numeric” keys are mainly used to select the access level password as described in section 1.0 “Access”. The “Numeric” keys can also be used to select menu level options and the input of system data. To select the required menu option press the number required and the highlight will move to the corresponding option i.e. LIST = 1 and SET = 3, operation of the “Enter” Key will then allow access to the selected menu.

### **1.10 Arrow Keys**

The “Arrow” keys UP, DOWN, LEFT and RIGHT can be used for the selection of the access level menus, viewing alarms and pending priority events. The control panels LCD will indicate via on screen prompts as to which keys may be operated to view this data.



# CHAPTER 2

## ISOLATE MENU

---

### 2.0 ISOLATE MENU

The entry into access level 2 is explained in section 1.0, upon the selection of the "ISOLATE" menu it will be possible to select the options shown in "Figure 2.0". The sub menus can be selected by operation of either the "Arrow" keys or by operation of the corresponding "Numeric" key and confirming the selection by operation of the "Enter" key (□).

Access Level 2	Isolate\De-Isolate
<b>Zones</b>	Plant
Loop devices	
Output groups	
Panel functions	
Select option use ◀ ▶ & ↵ or ← to exit	

Figure 2.0

### 2.1 ZONES

To isolate a specific zone, the entry of a zone number will be required, once selected a list will be generated and displayed on the LCD starting from the selected zone number as shown in "Figure 2.1".

Access level 2	Isolate\De-Isolate	
<b>Zone 011</b>	<b>Store Room Area Bld. 6</b>	<b>Norm</b>
Zone 012	Goods Receive Area Bld 6	Norm
Zone 013	General Despatch Area	Norm
Zone 014	Product Inspection Area	Norm
Zone 015	General Administration	Norm
Zone 016	Main Reception Area	Norm
Select option use ◀ ▶ & ↵ or ← to exit		

Figure 2.1

When the zone is highlighted and in the "Normal" status, operation of the "Enter" key will isolate the zone and display the "ISOLATED" message for a short period of time, followed by the abbreviated text "ISOL" as shown in "Figure 2.2". The relevant Status, Zonal and Common Isolate LED's will also be illuminated to give a visual indication of the isolation.

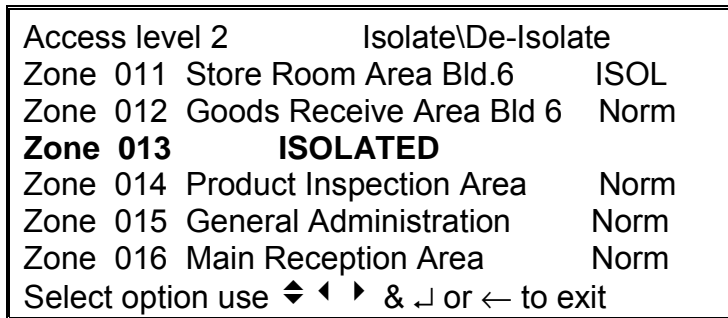


Figure 2.2

To return the “ISOLATED” zone to its normal operating status, “Norm”, select the appropriate zone and operate the “Enter” membrane key. Once selection has taken place and the “Enter” key operated, the message “DE-ISOLATED” will be displayed for a short period of time, followed by the message “Norm”. The relevant Status, Zonal and Common Isolate LED’s will then be extinguished and repeated operation of the “Cancel” key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in “Figure 2.3” instead of the “Status Normal” message shown in “Figure 1.0”.



Figure 2.3

## 2.2 LOOP DEVICES

To isolate specific “Loop Devices” the selection of this option will be necessary. Once selected the display will provide the user with two available options, as shown in “Figure 2.4”. The required option can be selected by operation of the “Arrow” or “Numeric” keys followed by the “Enter” key.

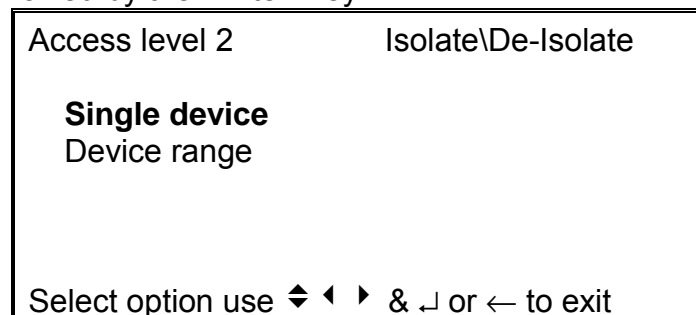


Figure 2.4

## 2.2.1 Single Device

To isolate a single device, the entry of a loop number and device address number will be required followed by the “Enter” key as shown in “Figure 2.5”.

```
Access level 2      Isolate\De-Isolate
Loop _1 address _21
Select loop and address & ↵ or ← to exit
```

Figure 2.5

Once entry of the loop number and device address number has taken place, the operation of the “Enter” key will list the selected device and subsequent devices on the display as shown in “Figure 2.6”.

```
Access level 2      Isolate\De-Isolate
Dev 021.1 Loop 01      Norm
I/O Unit Emergency Door Closer
Dev 022.1 Loop 01      Norm
I/O Unit Emergency Door Closer
Dev 023.1 Loop 01      Norm
I/O Unit Emergency Door Closer
⬇ to select, ↵ to (de)isolate, ← to exit
```

Figure 2.6

Operation of “Enter” key on the highlighted device will display the “ISOLATED” message for a short period of time, followed by the abbreviated text “ISOL”. Upon Isolation of a device(s) the Common and Device Isolate LED’s will be illuminated to give a visual indication of the isolation.

To return the "ISOLATED" device(s) to their normal operating status, "Norm", select the device(s) as shown above. Once selection has taken place, the operation of the "Enter" key will display the "DE-ISOLATED" message for a short period of time, followed by the message "Norm".

The Common and Device Isolate LED's will then be extinguished and repeated operation of the "Cancel" key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in "Figure 2.3" instead of the "Status Normal" message shown in "Figure 1.0".

### 2.2.2 Device Range

To isolate a range of devices the display will request the input of a loop number, start and end device number, and the operation of the "Enter" key to confirm the selection as shown in "Figure 2.7".

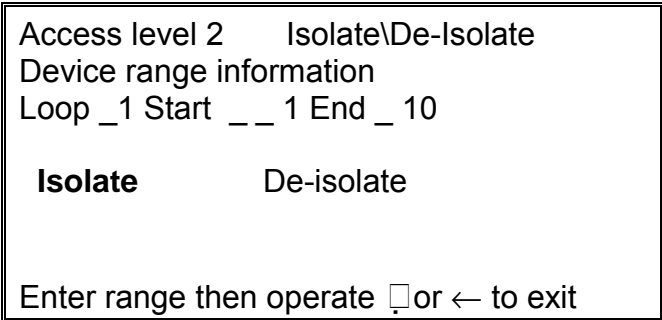


Figure 2.7

Once the appropriate data is entered a choice of "ISOLATE" or "DE-ISOLATE" is requested, and by operation of the "Arrow" keys can be selected. The selection of either option will not depend upon the current status of the device(s), i.e. if device(s) are already isolated and the "Isolate" option is selected, the devices will remain isolated. Isolation of a device(s) will illuminate both the Common and Device Isolate LED's.

If the isolation of a range of devices covers a full zone, the relevant Zonal Fault and Common Isolate LED's will be illuminated, however, if the selection does not cover a full zone the Common and Device Isolate LED's will be illuminated only. Operation of the "Cancel" key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in "Figure 2.3" instead of the "Status Normal" message shown in "Figure 1.0".

## 2.3 OUTPUT GROUP

Isolation and De-isolation of “Output Groups” is similar in format to that of “Zones” as per section 2.1. The significant difference is that the “Zone” reference is replaced with “Group” and that the output group isolation will inhibit the operation of all associated outputs. When an “Output Group” is isolated the Common and Output Isolate LED’s will be illuminated. Repeated operation of the “Cancel” key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in “Figure 2.3” instead of the “Status Normal” message shown in “Figure 1.0”.

## 2.4 PANEL FUNCTIONS

Upon selection of this option the display will list two sub-menus, which will enable the user to perform isolations on the control panel. The options available are “BLC Outputs” or “Motherboard Outputs” as shown in “Figure 2.8”.

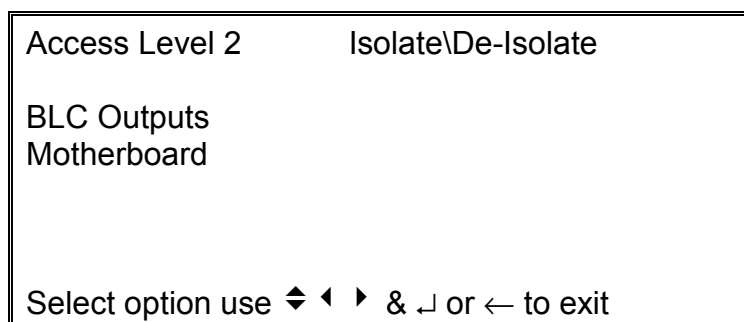


Figure 2.8

### 2.4.1 BLC Outputs

The “Master” and “Slave” Basic Loop Controllers (MBLC & SBLC) have four sounder circuits and four VFCO relay circuits positioned upon each controller. These outputs are classed as BLC outputs. The quantity of circuits each control panel has, is dependant upon how many controllers are installed in the panel. The “BLC Outputs” menu allows the user to individually isolate each of these circuits. Entry into this menu lists the relevant outputs the control panel has and by operation of the “Arrow” keys the individual outputs can be selected as per “Figure 2.9”.

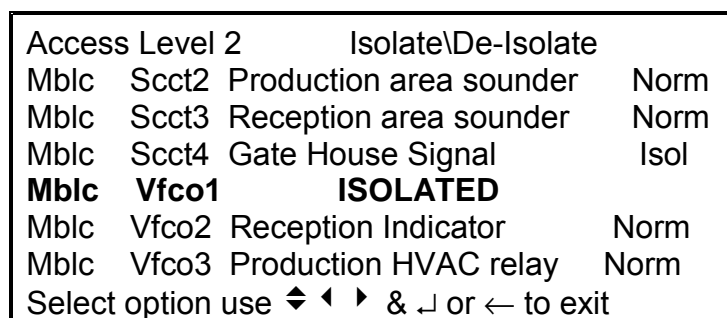


Figure 2.9

When a VFCO output is isolated the Common and Output Isolate LED’s are illuminated constantly to signify the output isolation. Whenever a sounder circuit is

isolated the Common Isolate, Output Isolate and Sounder Fault LED's are illuminated constantly to signify sounder circuit isolation.

Operation of the "Cancel" key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in "Figure 2.3" instead of the "Status Normal" message shown in "Figure 1.0".

## 2.4.2 Motherboard Outputs

The Vega control panel can have a maximum of four "Motherboard" extension cards connected to it, which will allow sixteen option card positions. The option cards available can be a mixture of cards listed below extending the range of inputs, outputs and relays available.

- 1) 44782-K092 – 8way Voltage free Changeover Relay Card.
- 2) 44782-K093 – 8way Monitored Output Card.
- 3) 44782-K094 – 16way Non-Monitored Input Card (**for internal use only**).
- 4) 44782-K095 – 16way Non-Monitored Output Card (**for internal use only**).
- 5) 44782-K096 – 8way Monitored Input Card

The "Motherboard" menu allows individual isolation of the input and output circuits that the above cards supply. Upon entry into this menu the user will be requested to input the appropriate card number and channel number of the input/output that requires isolation as shown in "Figure 2.10".

Access Level 2	Isolate\De-Isolate
MB Card Address __	Channel __
Enter address, channel & ↵ or ← to exit	

Figure 2.10

Once the appropriate data has been entered a list will be displayed allowing the user to isolate/de-isolate the relevant inputs/outputs by selecting them via the "Arrow" keys and confirming selection with the "Enter" key, as shown in "Figure 2.11". The operation is similar to the selection and isolation/de-isolation of zones as described in section 2.1.

Access Level 2	Isolate\De-Isolate	
Mb-01 Output		
Mb-01.01 Scct1	Prod. area sounder	Norm
Mb-01.02 Scct2	Prod. area sounder	ISOL
<b>Mb-01.03</b>	<b>ISOLATED</b>	
Mb-01.04 Scct4	Prod. area sounder	Norm
Mb-01.05 Scct5	Prod. area sounder	Norm
Select channel using $\blacktriangle$ & $\blacktriangledown$ or $\leftarrow$ to exit		

Figure 2.11

When a “Motherboard” input is isolated the Common and Device Isolate LED’s are illuminated constantly signifying the isolation of an input. Whenever a “Motherboard” output is isolated the Common and Output Isolate LED’s are illuminated constantly signifying the isolation of an output.

Operation of the “Cancel” key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in “Figure 2.3” instead of the “Status Normal” message shown in “Figure 1.0”.

## 2.5 PLANT

This menu allows the individual isolation of “Plant” zones. However, this function is only available if the “Plant” option is selected during the configuration of the control panel. If this option is not selected during configuration, the control panel will display a message stating, “Plants are not enabled”, if any attempt to access this menu is executed.

When “Plant” zones are enabled the isolate and de-isolate procedure for “Plant” is similar in format to that of “Zones” as per section 2.1, the only difference being that the “Zone” reference is replaced with “Plant”. Isolation of a “Plant” zone will illuminate the Common Isolate, Device Isolate and Plant Zonal LED’s to give a visual indication of the isolation.

Operation of the “Cancel” key will return the panel to access level 1, and display the status window. If devices are isolated on return to the status window the display will show a device isolation message as shown in “Figure 2.3” instead of the “Status Normal” message shown in “Figure 1.0”.

# CHAPTER 3

## LIST

### 3.0 LIST

The entry into access level 2 is detailed in section 1.0, upon the selection of the “List” menu

it will be possible to select the options shown in “Figure 3.0”. The sub menus can be selected by operation of either the “Arrow” keys or by operation of the corresponding “Numeric” key and confirming selection by operation of the “Enter” key (□).

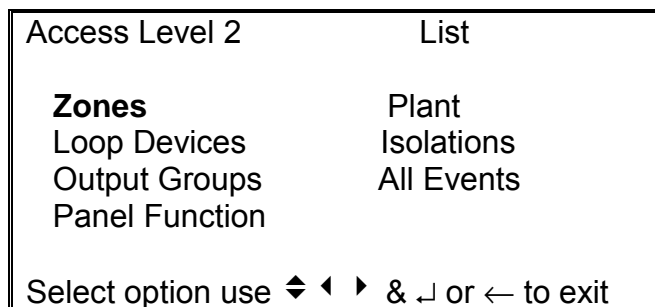


Figure 3.0

The format of listing will be dependent upon whether the internal panel printer has been selected within the panel set-up menu. If the printer option is selected during panel set-up it will be possible to make a selection as shown in “Figure 3.1”. If the panel printer is not set-up this selection will not be displayed and the information will only be available on the LCD display.

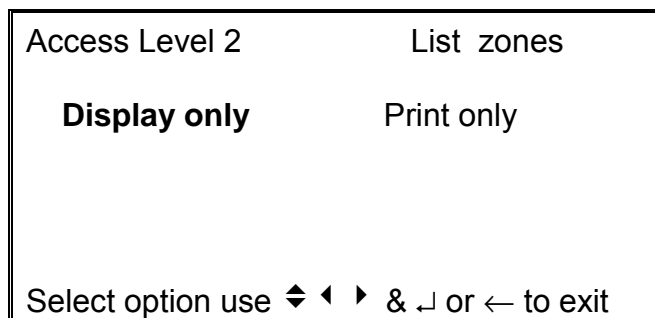


Figure 3.1

The “Print only” selection will automatically print the selected information, where as the “Display only” option will show the information on the panel display only. With the “Display only” option the “Arrow” keys will enable the scrolling of the information by highlighting each information line.



### 3.1 ZONE

Selection of this option will allow the user to choose one of two further options available, as shown in “Figure 3.2”. The required option can be highlighted by operation of either the “Arrow” keys or the corresponding “Numeric” key. Once the selection is made the operation of the “Enter key” will select the highlighted option.

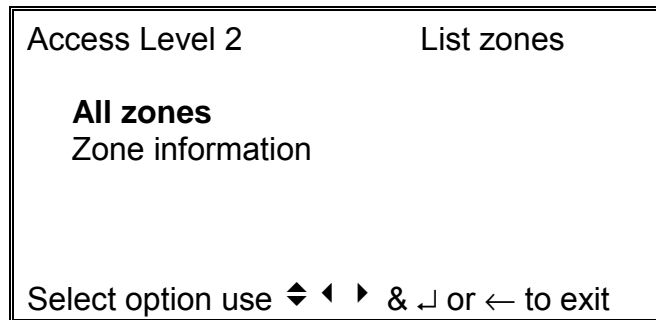


Figure 3.2

#### 3.1.1 All Zones

This option will list the zone information, the zone number, zone text and its status. A zonal isolation will be indicated on the display by the symbol “I” as shown in “Figure 3.3”.

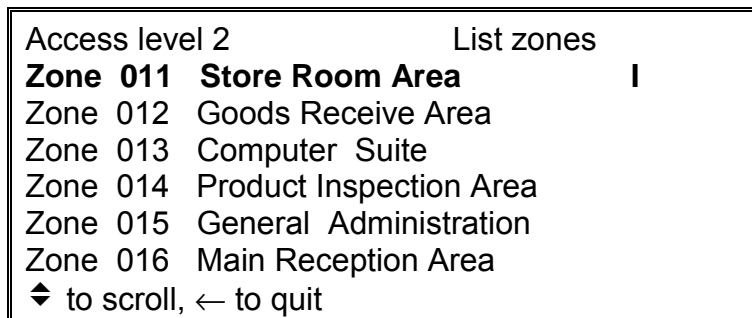


Figure 3.3

Operation of the “Arrow keys” will scroll the zone information whilst operation of the “Cancel key” will return the display to the menu selections and continued operation will return the panel to access level 1.

#### 3.1.2 Zone Information

Upon selection of this option a request for the input of a zone number will be made, once selected the zone information, zone number, zone text and the device information will be displayed as shown in “Figure 3.4”. The displayed device information is for the devices that have been assigned to the selected zone only.

```

Access level 2          List zones
Zone 011 Store Room Area
T1 00s T2 000s override: BGU YES DK NO
D008.1 Loop 01 Zone 011 Status ISOL
I/O Unit              Emergency Door Closer
D011.1 Loop 01 Zone 011
Optical               Stores Office Area
◆ to scroll, ← to quit

```

Figure 3.4

Operation of the “Scroll” key will allow the user to view the subsequent device parameters for the selected zone only.

The “Zone Information” will include the timer settings for T1 and T2 and the current status of the selected device.

Operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.2 LOOP DEVICES

Upon selection of this option, a sub menu will be displayed allowing the user to choose between two further options as shown in “Figure 3.5”.

```

Access level 2          List loop devices

Single loop
Device range

Select option use ◆ ◀ ▶ & ↵ or ← to exit

```

Figure 3.5

Each sub menu can be selected by operation of either the “Arrow” keys or by operation of the corresponding “Numeric” key and confirming the selection by operation of the “Enter” key.

### 3.2.1 Single Loop

Selection of this option requests a loop number to be entered. Once the appropriate loop number has been entered the total number of devices attached to the loop will be displayed as shown in “Figure 3.6”. Upon operation of the “Enter” key the device information, for the selected loop, will be displayed as shown in “Figure 3.7”.

```
Access level 2          List loop devices
Loop 01   004 devices
↓ to list, ← to quit
```

Figure 3.6

```
Access level 2          List loop devices
D008.1 Loop 01 Zone 011 Status ISOL
I/O Unit      Emer. Door Closer
D010.1 Loop 01 Zone 011
Ionisation    UNASSIGNED
D011.1 Loop 01 Zone 011
Optical       Stores Office Area
◆ to scroll, ← to quit
```

Figure 3.7

Operation of the “Scroll” or “Arrow” key(s) will allow the user to scroll the devices on the display.

Operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.2.2 Device Range

Selection of this option requests a loop number to be entered. Once entered the display will show the total number of devices attached to the loop as shown in “Figure 3.6”.

Upon operation of the “Enter” key the display will request the user to input a “Start and End” device number. Once this information is entered the display will show device information for the selected range only as shown in “Figure 3.8”.

Access level 2	List loop devices
<b>D008.1 Loop 01 Zone 011 Status ISOL</b>	
I/O Unit	Emer. Door Closer
D010.1 Loop 01 Zone 011	
Ionisation	UNASSIGNED
D011.1 Loop 01 Zone 011	
Optical	Stores Office Area
◆ to scroll, ← to quit	

Figure 3.8

Operation of the “Arrow” keys will allow the user to scroll the device information on the display.

Operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.3 OUTPUT GROUPS

Upon selection of this option, a sub menu will be displayed allowing the user to choose between two further options as shown in “Figure 3.9”.

Each sub menu can be selected by operation of either the “Arrow” keys or by operation of the corresponding “Numeric” key and confirming the selection by operation of the “Enter” key.

Access level 2	List output groups
<b>All groups</b>	
Group Information	
Select option use ◆ ◀ ▶ & ↵ or ← to exit	

Figure 3.9

#### 3.3.1 All Groups

This option will request the user to input a “Start” and “End” group number and confirm the data by operating the “Enter” key. Once the “Enter” key has been operated a list will be displayed showing the “Group” information programmed into the control panel as shown in “Figure 3.10”

The letter “I” also shown in “Figure 3.10” will indicate groups, which have been isolated.

Operation of the “Arrow” keys will scroll the information on the display and when viewing is complete operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

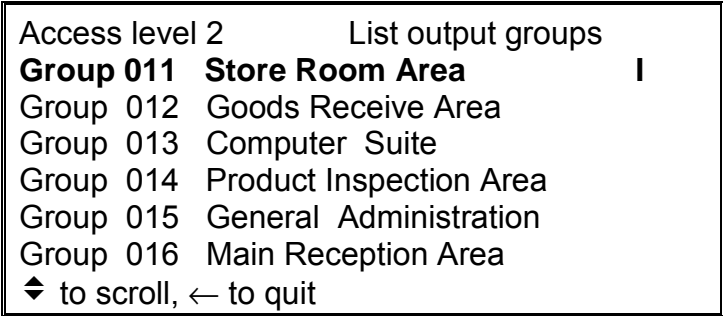


Figure 3.10

### 3.3.2 Group Information

This option will request the user to input a “Group Number”, which can be selected by use of “Numeric” keys and operating the “Enter” key to confirm the selection. The information associated to the selected “Group” will then be displayed as shown in “Figure 3.11”.

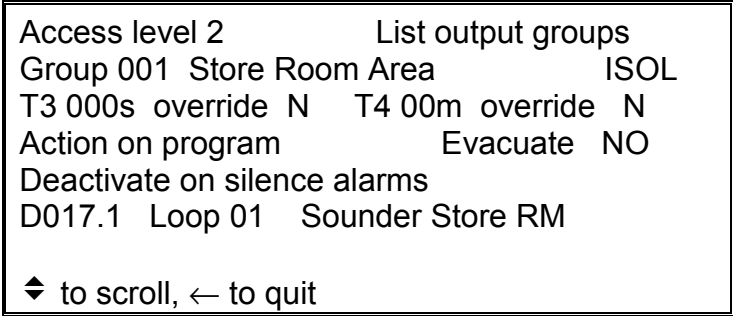


Figure 3.11

Operation of the “Arrow” keys will allow the user to scroll the subsequent device parameters for the selected group and when viewing is complete operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

The “Group Information” will include the timer settings for T3 and T4 and will include the group action parameters also shown in figure 3.11. The current status of the selected device will be displayed in this menu.

### 3.4 PANEL FUNCTIONS

This option allows the user to list and view information for the Master and Basic Loop Controllers (MBLC & SBLC) and Motherboard option cards. Upon selection of this option the user will be requested to choose between two further options as shown in "Figure 3.12".

Selection is achieved by use of the "Numeric" or "Arrow" keys and operating the "Enter" key to confirm the selection.

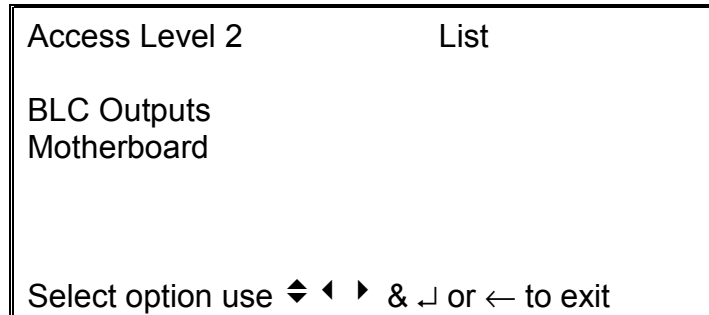


Figure 3.12

#### 3.4.1 BLC Outputs

This option will list the outputs (Sounder & VFCO) situated upon the "Master" and "Slave" Basic Loop Controllers (MBLC & SBLC) that the control panel operates. It also indicates the current status of each output by displaying the symbol "I" adjacent outputs, which are isolated, as shown in "Figure 3.13". The "Arrow" keys will allow the user to scroll the outputs in order to view their text location or their current status.

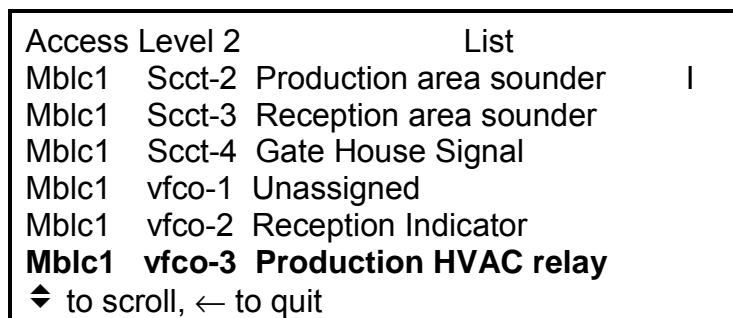


Figure 3.13

When viewing is complete the operation of the "Cancel" key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.4.2 Motherboard

The Vega control panel can have a maximum of four “Motherboard” extension cards connected to it, which will allow sixteen option card positions. The option cards available can be a mixture of cards listed below extending the range of inputs, outputs and relays available.

- 1) 44782-K092 – 8way Voltage free Changeover Relay Card.
- 2) 44782-K093 – 8way Monitored Output Card.
- 3) 44782-K094 – 16way Non-Monitored Input Card (**for internal use only**).
- 4) 44782-K095 – 16way Non-Monitored Output Card (**for internal use only**).
- 5) 44782-K096 – 8way Monitored Input Card

The “Motherboard” menu allows the user to list information for each input/output and their current status. Upon selection of this option the user will be prompted to choose between two further options as shown in “Figure 3.14”

Selection is achieved by use of the “Numeric” or “Arrow” keys and operating the “Enter” key to confirm the selection.

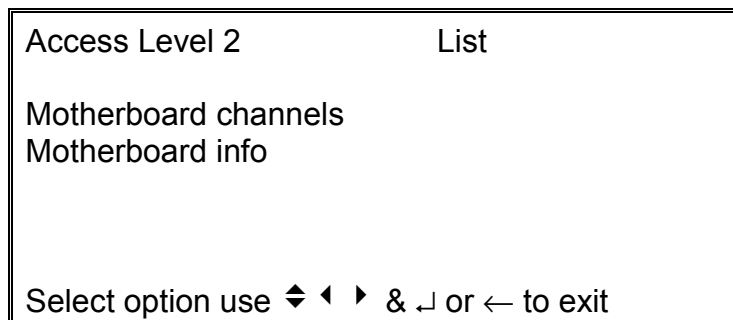


Figure 3.14

### 3.4.3 Motherboard Channels

Selection of this option will request the user to input a “Motherboard” option card address followed by the “Enter” key to confirm selection as shown in “Figure 3.15”.

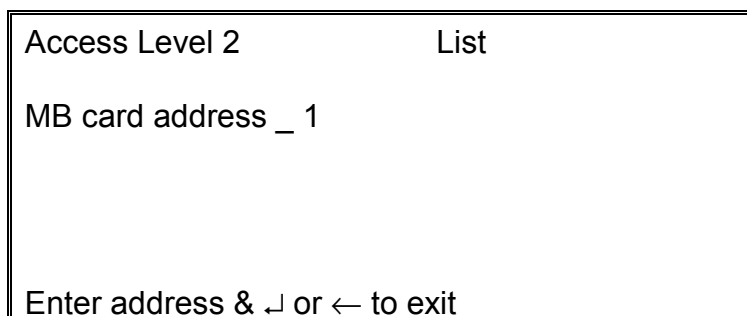


Figure 3.15

Once the relevant option card address has been selected, a list will be displayed showing the type of option card and the zonal area the inputs/outputs control as shown in “Figure 3.16”. The “Arrow” keys will allow the user to scroll the inputs/outputs in order to view their text location. The information displayed will be for the selected option card only.

Access Level 2	List
Mb-01	8 way monitored zone IP
Mb-01.01	Ground Floor
Mb-01.02	First Floor
Mb-01.03	Second Floor
Mb-01.04	Third Floor
Mb-01.05	Fourth Floor
◆ to scroll, ← to quit	

Figure 3.16

When viewing is complete the operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

#### 3.4.4 Motherboard Info

Selection of this option will request the user to input a “Motherboard” option card address followed by the “Enter” key to confirm selection as shown in “Figure 3.15”.

Access Level 2	List
Mb-01.01	Zone 001 Status ISOLATE
	Monitored IP Ground Floor
Mb-01.02	Zone 002
	Monitored IP First Floor
Mb-01.03	Zone 003
	Monitored IP Second Floor
◆ to scroll, ← to quit	

Figure 3.17

Once the relevant option card address has been selected, a list will be displayed showing the individual channels of the selected option card and the current status of each input/output as shown in “Figure 3.17”. The “Arrow” keys will allow the user to scroll the inputs/outputs in order to view their assigned zonal number and text location. The information displayed will be for the selected option card only.

When viewing is complete the operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.



### 3.5 PLANT

This menu allows the user to view all programmed parameters for “Plant” zones. However, this function is only available if the “Plant” option is selected during the configuration of the control panel. If this option is not selected during configuration, the control panel will display a message stating, “Plants are not enabled”, if any attempt to access this menu is executed.

When “Plant” zones are enabled the access to this menu is similar in format to that of “Zones” as per section 3.1, the only difference being that the “Zone” reference is replaced with “Plant”.

When viewing is complete the operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.6 ISOLATIONS

Upon selection of this option a sub menu will be displayed allowing the user to choose from a number of further options as shown in “Figure 3.18”. The required option can be highlighted by operation of the either the “Arrow” keys or relevant “Numeric” key followed by the “Enter” key to confirm selection.



Figure 3.18

Selection of the relevant menu will simply list the “Isolations” that exist for the selected option.

When viewing is complete the operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

### 3.7 ALL EVENTS

Upon selection of this option the user will have access to the “Event Log” of the control panel and will be able to view the events that have occurred by operation of the “Arrow” keys. Each operation of an “Arrow” key will step through the events in forward or reverse order dependant upon the “Arrow” key selected. The “Event Log” will be displayed one event at a time as shown in “Figure 3.19”

Access Level 2	List
Event 001	
Entry to access level 2	
Repeater 01	
05:36 Thu 18 Sept 2001	
◆ to scroll, ← to quit	

Figure 3.19

When viewing is complete the operation of the “Cancel” key will return the display through the menu selections and continued operation will return the panel to access level 1.

# CHAPTER 4

## SET MENU

### 4.0 SET MENU

The entry into access level 2 is explained in section 1.0, upon the selection of the “Set” menu it will be possible to select the options shown in “Figure 4.0”. The sub menus can be selected by operation of either the “Arrow” keys or by operation of the corresponding “Numeric” key and confirming the selection by operation of the “Enter” key (□).

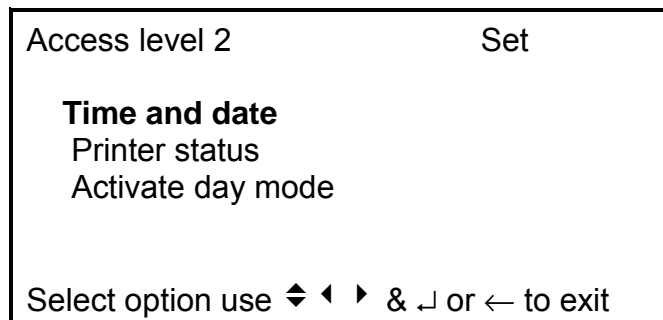


Figure 4.0

### 4.1 TIME AND DATE

This menu allows the user to set the time and date shown on the control panel’s status window. The time and date can be set by operation of the “Numeric” keys and confirming the selection by operation of the “Enter” key.

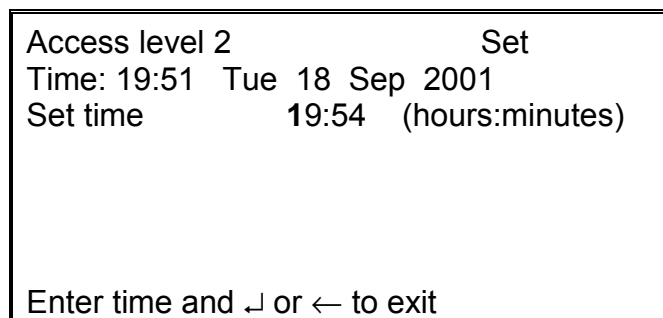


Figure 4.1

To set the “Time” the user will be required to input the “hours” and “minutes” followed by the “Enter” key. Each step will require the “Enter” key to be operated in order to progress to the next stage. “Figure 4.1” shows an example of setting the “Time”.

```

Access level 2                               Set
Time: 19:51 Tue 18 Sep 2001
Set time          19:54 (hours:minutes)
Time style        AM   PM   24 hr

Select using ◀ ▶ and ↵ or ← to exit

```

Figure 4.2

To set the “Time Style” the user will be required to highlight the appropriate style by operation of the “Arrow” keys followed by the “Enter” key. “Figure 4.2” shows an example of setting the “Time Style”.

```

Access level 2                               Set
Time: 19:51 Tue 18 Sep 2001
Set time          19:54 (hours:minutes)
Time style        AM   PM   24 hr
Set date          18/_9/01
(day/month/year)

Enter date and ↵ or ← to exit

```

Figure 4.3

To set the “Date” the user will be required to input the “day”, “month”, and “year” followed by the “Enter” key. “Figure 4.3” shows an example of setting the “Date”.

Once the last digit of the date is entered, the user will be required to press the “Enter” key to confirm the new time and date settings. However, if the “Cancel” key is operated during this process the new settings will be cancelled and the display will return to the menu options.

## 4.2 PRINTER STATUS

This menu allows the user to set the “Printer Status” providing a printer has been selected during the set-up of the control panel (see Engineer Guide for Printer Set-up). If a “Printer” has not been set-up, a warning message stating that the “Internal printer not installed” will be displayed as shown in “Figure 4.4”. When a printer has been set-up, the selection of this menu will display the type of printer installed and its current status, allowing the user to select the relevant options as shown in “Figure 4.5”.

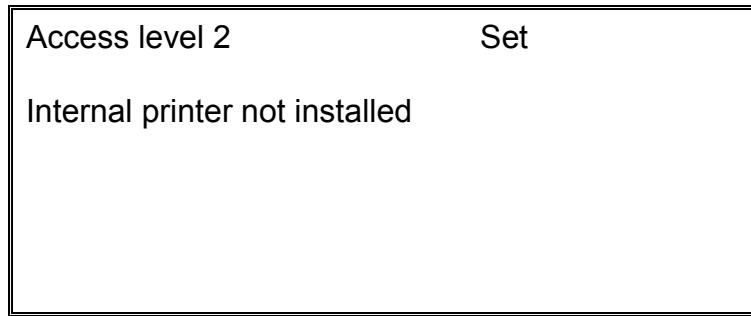


Figure 4.4

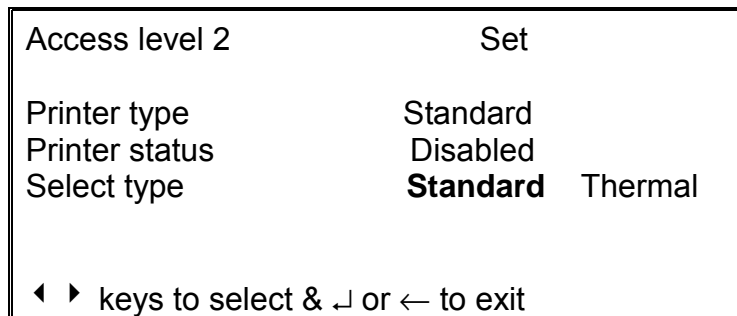


Figure 4.5

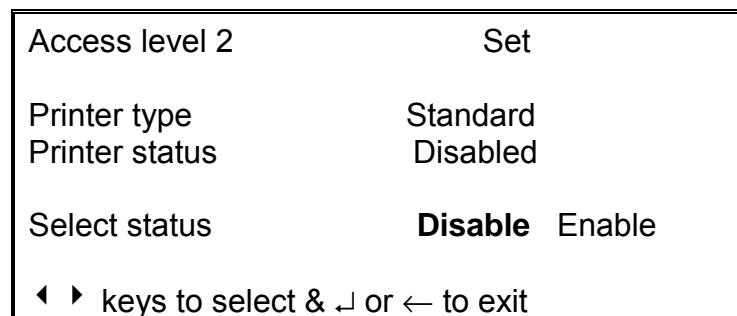


Figure 4.6

Once the printer type has been correctly selected the operation of the “Enter” key will request the user to select the status of the printer as shown in “Figure 4.6”. The options in this menu allow the user to “Enable” or “Disable” the printer accordingly. Moving the highlighted cursor to the appropriate option with the “Arrow” keys and confirming the selection with the “Enter” key will allow the user to make this selection.

When the correct selections have been made the operation of the “Cancel” key will return the panel to access level 1, and display the status window.

**Note: -** When the printer is in the “Disabled” status, all priority “0” (Evacuate) and “1” (Fire) events will still be printed providing it is enabled in the “Panel Set-up” menu.

### 4.3 ACTIVATE DAY MODE

This menu allows the user to activate “Day Mode” by highlighting the required option as shown in “Figure 4.7”. Operation of the “Arrow” keys will select the required option and the “Enter” key will confirm the selection.

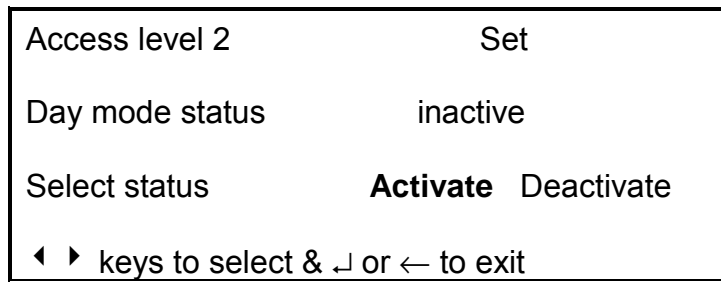


Figure 4.7

For “Day Mode” to operate correctly the “Day mode stop” time should be set as explained in the Engineers Guide (TM0003). Once “Day Mode” has been activated, the programmed device settings will be enabled until the “Day mode stop” time has expired. A confirmation will be shown on the panel display until the time out has occurred as shown in “Figure 4.8”.



Figure 4.8

It is also possible to manually cancel the operation of the “Day mode” by selecting this option and selecting the required status option. Selection of “Deactivate” will display a message, for a short period of time, confirming that “Day Mode” has been deactivated as shown in “Figure 4.9”.

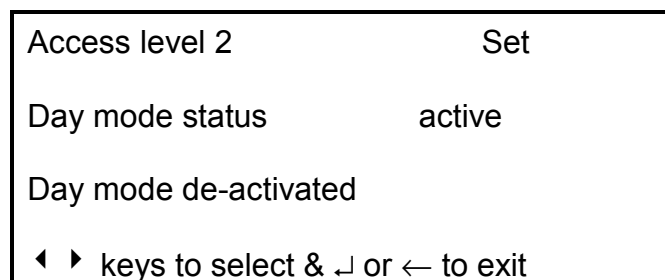


Figure 4.9

# CHAPTER 5

## PANEL TEST MENU

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### 5.0 PANEL TEST MENU

The entry into access level 2 is explained in section 1.0, Selection of the “Panel Test” option from the main control panel will initiate a self-test on this panel only. During this test the panel will report the sequence of tests on the display as they are carried out as shown in “Figure 5.0”. The software version that the “Vega/Repeat” control panel is currently operating with will also be reported at this time.

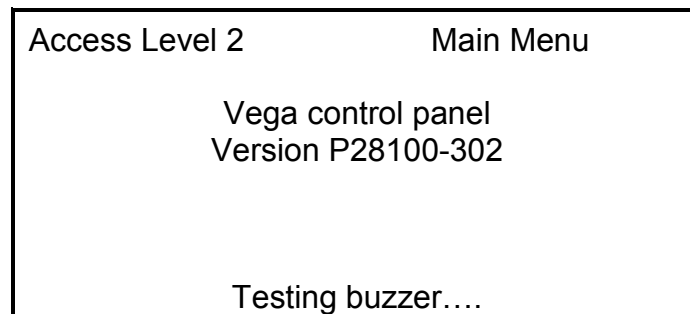


Figure 5.0

The test will take approximately 10 seconds and will return to the “Main Menu” once complete.

**Note:** “One Man Walk Test” can only be selected at “Access Level 3” (Engineers Level) from the Main Control Panel. A “Repeat” control panel cannot enter this menu (See Engineers Guide - TM0003).