



# **VEGA STANDARD AND LT CONTROL PANEL**

**CONTROL/REPEATER PANEL  
USER GUIDE**

**TM0058**

# 1 GENERAL

The Vega is an Analogue Addressable Control Panel that provides up to one hundred and twenty zones of fire detection. It can support more than of two thousand devices across sixteen detection loops and provide a programmed text description for each device to aid the user in device location.

The standard control panel fascia has a control membrane, status/zonal membrane (24 zones) and can include an event printer.

The LT control panel fascia has a combined control and status/zonal membrane (16 zones).

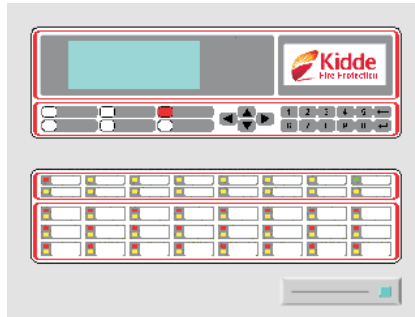


Figure 1 – Example 24 Zone Standard Control Panel

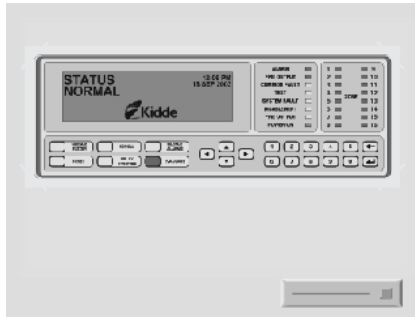


Figure 2 – Example 16 Zone LT Control Panel

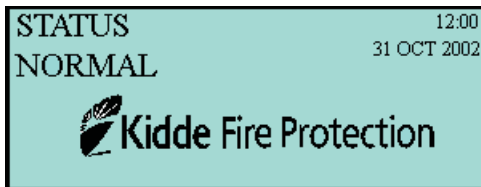


Figure 3 – Example Vega Graphical Display

LIQUID CRYSTAL DISPLAY  
8 LINE 40 CHARACTER



Figure 4 – Standard Control Panel Example Control Membrane



Figure 5 – Standard Control Panel Example Status/Zonal Membrane

LIQUID CRYSTAL DISPLAY 8 LINE 40 CHARACTER STATUS WINDOWS ZONE WINDOWS

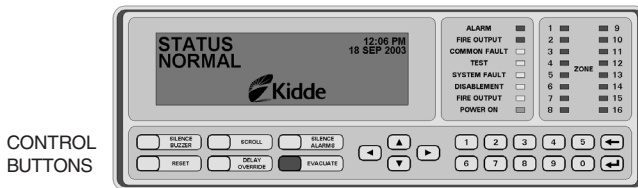


Figure 6 – LT Control Panel Example Control Status/Zonal Membrane

## 2 PANEL DISPLAY

The Standard and LT Control Panel Membranes provide the user interface to the control panel and include the following (refer Figure 3, 4 and 6):

- An eight line by 40 character graphic Liquid Crystal Display (LCD) with backlight.
- Six control buttons – Silence Buzzer, Scroll, Silence Alarms, Reset, Delay Override and Evacuate.
- Four Arrow buttons used for viewing and programming panel information.
- 12 button numeric keypad, which includes an Enter (↵) and Cancel (⏪) button.

The Status/Zonal area of the Control Panel provides user information in the form of lights and contains the following (refer Figure 5 and 6):

- 14 system **Status** lights (YELLOW) (Standard Panel Only).
- One **Fire Output** light (RED). One **Fire Output** light (YELLOW) (LT Panel Only).
- One **Common Fault** light (YELLOW)
- One **Alarm** light (RED).
- One **Power On** light (GREEN).
- One **Test** light (YELLOW) (LT Panel Only).
- One **System Fault** light (YELLOW) (LT Panel Only).
- 24 zonal **Alarm** lights (RED) and **Fault** lights (YELLOW) (Standard Panel Only).
- 16 zonal **Alarm** lights (RED) (LT Panel Only).

On the Standard Control Panel if more than 24 zones of detection are required, additional zonal membranes are used to display the zonal information. These are supplied in increments of 32 up to a maximum of 120.

### 3 ACCESS TO CONTROLS AND MENU

There are two access levels that enable the user to control the panel.

Access Level 1 is the normal operating level, where the green **POWER ON** light is on. All other lights are normally off unless devices or outputs are isolated or panel faults exist. The **SILENCE BUZZER**, **DELAY OVERRIDE**, **SCROLL** ( ) and ( ) buttons are operative. All other controls are inoperative.

Access Level 2 allows user access to all control buttons and available menu options. A pass code is required to enter Access Level 2 (refer Figure 6).

To enter Access Level 2 operate any numeric key to obtain the password prompt.

- Enter the pass code     and press **←**.
- The LCD shows the level of access in the top right hand corner.

To access the menu listing:

- Press the **0** button to show the top-level menu options, **Isolate**, **List**, **Set** and **Test**.

Press **←** at any time to cancel an entry or to exit the menus and revert to Access Level 1.

If there is no operation of the panel control buttons for more than three minutes, the menu access control automatically reverts to Level 1.

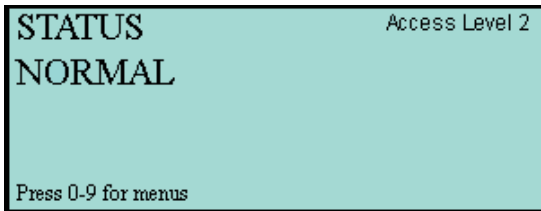


Figure 6 – Example Access Level 2

### 4 WHEN AN ALARM CONDITION OCCURS

If a **FIRE** condition is detected in one or more zones (refer to Figures 7, 8 & 9):

- The red **ALARM** light flashes.
- The appropriate red **ZONAL** alarm light flashes.
- The LCD shows the flashing message “**FIRE**”.
- The alarm **SOUNDER** circuits are activated (unless isolated).
- The audible **BUZZER** on the panel sounds in a constant mode.

The event can be viewed by operation of the **←** button.

Further events can be viewed by operation of the **ARROW** buttons.

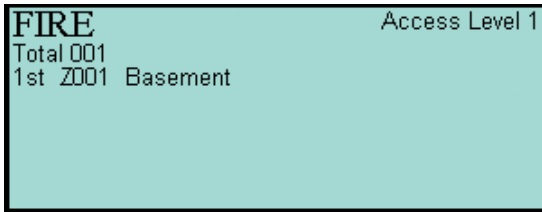


Figure 7 – Example ALARM Condition

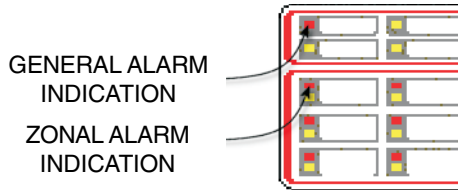


Figure 8 – Standard Control Panel Example ALARM Condition

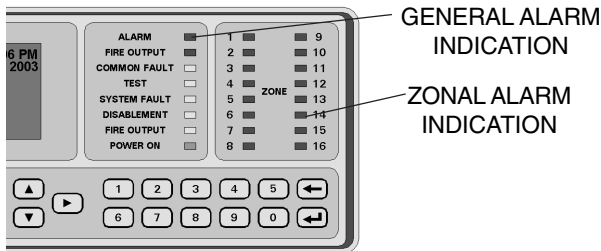


Figure 9 – LT Control Panel Example ALARM Condition

After the agreed fire strategy has been followed under guidance from the responsible person(s) or fire brigade, the alarms can be silenced as follows:

- Press the **SILENCE BUZZER** button (the audible buzzer stops, the **ZONAL** light and the **ALARM** light continue flashing). The audible alarm circuits will continue to sound unless previously isolated.
- Enter Access Level 2 (refer to Access to Controls).
- Press the **SILENCE ALARMS** button (the audible alarms stop) The red **ZONAL** light and **ALARM** light will go constant.
- When all zone fire conditions have been rectified, press the **RESET** button.
- Press **←** to revert to Access Level 1.

If another alarm condition occurs after the panel has been silenced, the new event will re-sound the audible devices and operate the appropriate **ZONAL** and **ALARM** lights.

To silence the second event the authorized person(s) should repeat the above procedure once the affected area has been investigated.

Note: If a fire condition still exists it may be necessary to clear smoke from the affected area before the control panel is **RESET**. Failure to do this may cause further activations.

## 5 WHEN A FAULT CONDITION OCCURS

If a **FAULT** condition is detected in one or more zones (refer Figure 10, 11 & 12):

- The yellow **COMMON FAULT** light flashes
- The relevant yellow **ZONAL** fault light flashes
- The Liquid Crystal Display will show the flashing message “**FAULT**”.
- The yellow **DEVICE FAULT** light flashes
- The audible **BUZZER** on the panel sounds intermittently.

The event can be viewed by operation of the ← button.

Further events can be viewed by operation of the **ARROW** buttons.

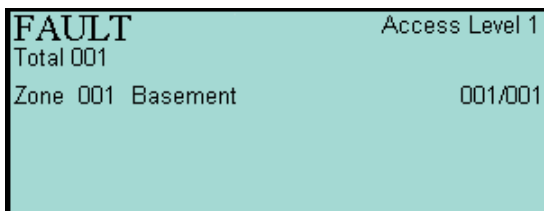


Figure 10 – Example FAULT Condition

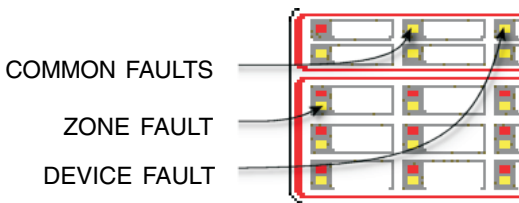


Figure 11 – Standard Control Panel Example FAULT Condition

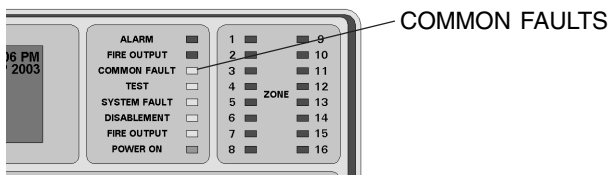


Figure 12 – LT Control Panel Example FAULT Condition

When the **FAULT** condition has been rectified, the panel can be reset as follows:

- Press the **SILENCE BUZZER** button (the audible buzzer stops, the **ZONAL** fault, **COMMON FAULT** and **DEVICE FAULT** lights continue flashing).
- Enter Access Level 2 code and press ← (refer to Access to Controls).
- When all zone fault conditions have been rectified, press the **RESET** button.
- Press ← to revert to Access Level 1.

Note: Most fault conditions are self-resetting and will clear without the need to **RESET** the control panel. However, a number of fault conditions exist that will require Engineering Assistance.

If there is any doubt as to the diagnosis of a particular fault, contact your service provider for assistance.

## 6 TO ACTIVATE ALL ALARMS FOR EVACUATION

To activate all alarm sounders for evacuation purposes, the procedure below should be followed (refer to Figures 13, 14 & 15):

- Enter Access Level 2 (refer to Access to Controls).
- Press the **EVACUATE** button on the Control Membrane to sound the alarms (the red **ALARM** light flashes and the audible sounders operate).
- The LCD shows the message **EVACUATE**.



Figure 13 – Example EVACUATION Condition

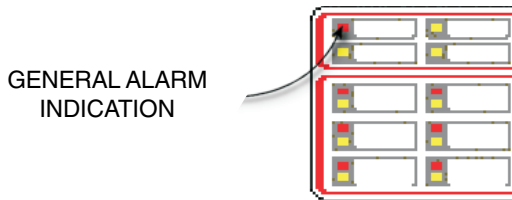


Figure 14 – Standard Control Panel Example EVACUATION Condition

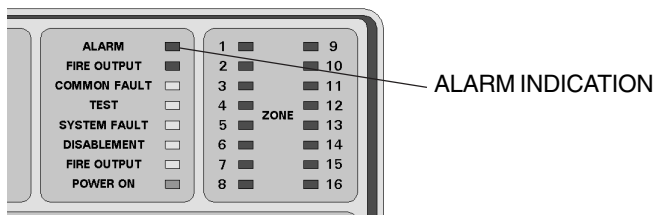


Figure 15 – LT Control Panel Example EVACUATION Condition

When the evacuation procedure is complete, and the building is safe to be entered, the alarm can be silenced by following the procedure detailed below.

- Press the **SILENCE BUZZER** button (the audible buzzer stops, the **ALARM** light continues to flash). The audible alarm circuits will continue to sound unless previously isolated.
- Enter Access Level 2 (refer Access to Controls).
- Press the **SILENCE ALARMS** button (the audible alarms stop). The red **ALARM** light comes on constant.
- Press the **RESET** button.
- Press **←** to revert to Access Level 1.

## 7 ISOLATION OF DETECTION ZONES/DEVICES

To **ISOLATE** detection ZONE(s) / DEVICE(s) the following procedure must be followed:

- Enter Access Level 2 (refer Access to Controls).
- Press the “0” button to obtain access to the menus.
- Select the **ISOLATE** option from the menu by using the **ARROW** buttons and press **↵**.

To **ISOLATE** detection ZONE(s):

- Select the **ZONES** option from the menu by using the **ARROW** buttons and press **↵**.
- Enter the number of the **ZONE** you wish to isolate and press **↵**.
- The selected ZONE will be highlighted and can be isolated by pressing **↵**.
- Further **ZONE** isolations can be achieved by using the **ARROW** buttons to move to the required **ZONE** and pressing **↵** to confirm isolation.
- Press **←** to revert to Access Level 1.

Indication that zones are isolated will be provided on the panel as detailed in (refer Figure 16, 17 & 18):

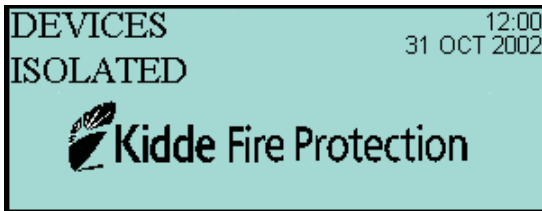


Figure 16 – Example ZONE / DEVICE Isolation

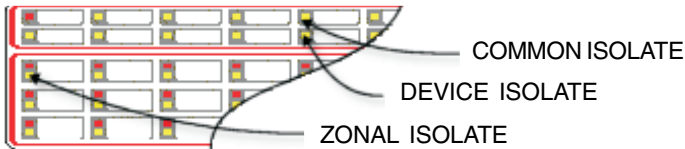


Figure 17 – Standard Control Panel Example ZONE / DEVICE Isolation

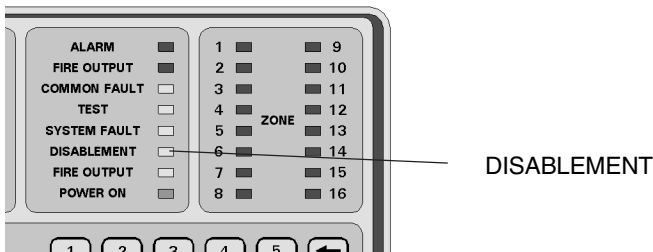


Figure 18 – LT Control Panel Example ZONE / DEVICE Isolation



To ISOLATE detection DEVICE(s):

- Select the **LOOP DEVICES** option from the menu by using the **ARROW** buttons and press **←**.
- Select the **SINGLE DEVICE** option from the menu by using the **ARROW** buttons and pressing **←**.
- Enter the **LOOP** and **DEVICE** number for the device you wish to isolate and press **←**.
- The selected **DEVICE** will be highlighted and can be isolated by pressing **←**.
- Further **DEVICES** can be selected for isolation by using the **ARROW** buttons to select the device and pressing **←** to confirm selection.
- Press **←** button to revert to Access Level 1 once isolations are complete.

**DEVICE** and **ZONE** isolations can be removed by following the above procedures and selecting the **DEVICE / ZONE** with the **←** button.

## 8 ISOLATION OF SOUNDERS OR RELAY SHUTDOWNS (Output Groups)

To **ISOLATE** output group(s) follow the procedure below:

- Enter Access Level 2 (refer to Access to Controls).
- Press the **0** button to obtain access to the menus.
- Select the **ISOLATE** option from the menu by using the **ARROW** buttons and press **←**.
- Select the **OUTPUT GROUPS** option from the menu by using the **ARROW** buttons and press **←**.
- Enter the number of the **OUTPUT GROUP** to be isolated and press **←**.
- The selected **OUTPUT GROUP** will be highlighted and is isolated by pressing **←**.
- Press **←** to revert to Access Level 1.

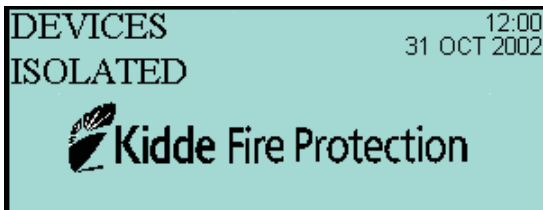


Figure 19 – Example Output Group Isolation



Figure 20 – Standard Control Panel Example Output Group Isolation

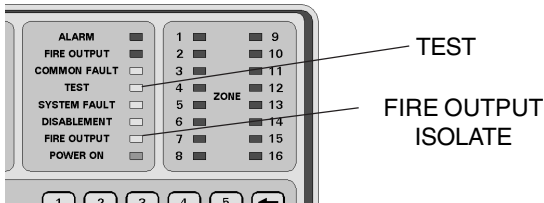


Figure 21 – LT Control Panel Example Output Group Isolation

**OUTPUT GROUP** isolations can be removed by following the above procedures and selecting the **OUTPUT GROUP** for **DE-ISOLATION** with the **←** button.

## 9 TO TEST THE PANEL LIGHTS AND BUZZER

To test the Control Panels LIGHTS and BUZZER:

- Enter Access Level 2 (refer to Access to Controls).
- Press the **0** button to obtain access to the menus.
- Select the **PANEL TEST** option from the menu by using the **ARROW** buttons and press **←** (the Control Panels **TEST** light flashes during the **TEST** process).

The Control Panel will operate the BUZZER, LIGHTS and Liquid Crystal Display LCD during this process.

- Press **←** to revert to Access Level 1 to escape from the menu options.

## 10 MAINTENANCE

This guide only covers maintenance of the Fire Control Panel. For maintenance of external equipment (detectors, signalling equipment, etc.), refer to the appropriate Manufacturer's literature.

- 10.1 Record all performance checks and maintenance operations in the Maintenance Record.
- 10.2 Remove dirt and dust from the panel exterior with a soft brush or a lint cloth. Stubborn stains can be removed with a lint cloth moistened with white spirit. Make sure all panel indications are legible.
- 10.3 Examine the exterior of the panel and enclosure for damage or loose cable glands and rectify any faults.
- 10.4 On a regular basis or as directed by your Service Company, carry out a Panel Lights and Buzzer Test. Notify any defects to your Service Company.
- 10.5 The stand-by batteries are maintenance free but should be replaced every four years (Refer to your Service Company for battery replacement).

**MAINTENANCE RECORD**

Date	Maintenance Operation	Carried out by:



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Thame Park Road, Thame, Oxfordshire, OX9 3RT  
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[www.kfp.co.uk](http://www.kfp.co.uk)

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