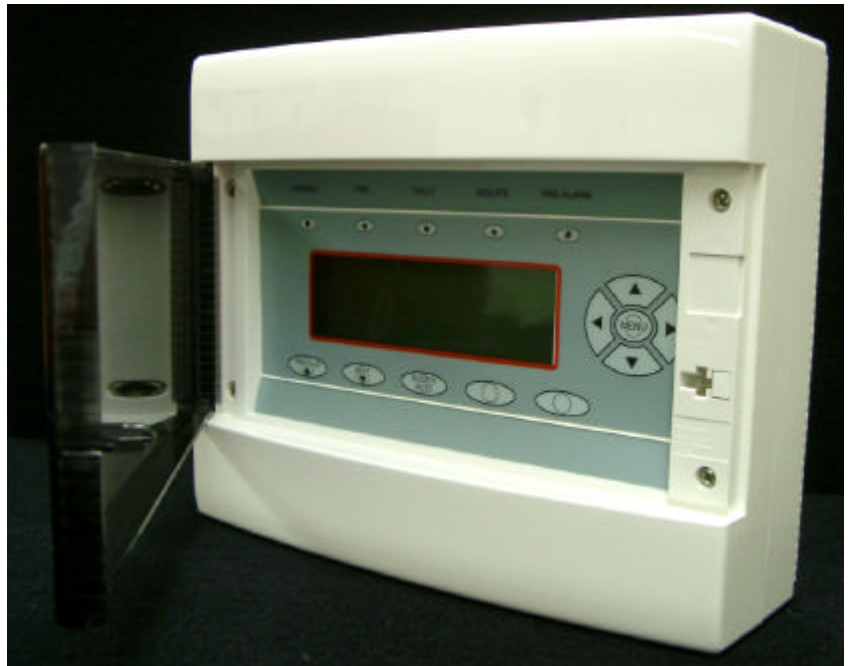




User's Manual

FireFinder ä



NZS 4512

**Liquid Crystal Display
Repeater**

“ Our aim is to provide ‘ *Consistently Excellent Service* ’ in the eyes of our customers ”

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1 Liquid Crystal Display Repeater

The remote Liquid Crystal Display Repeater (LCDR) connects to the external RS422 communication loop. Its purpose is to display information as shown at the main FACP and provide limited control of the system.

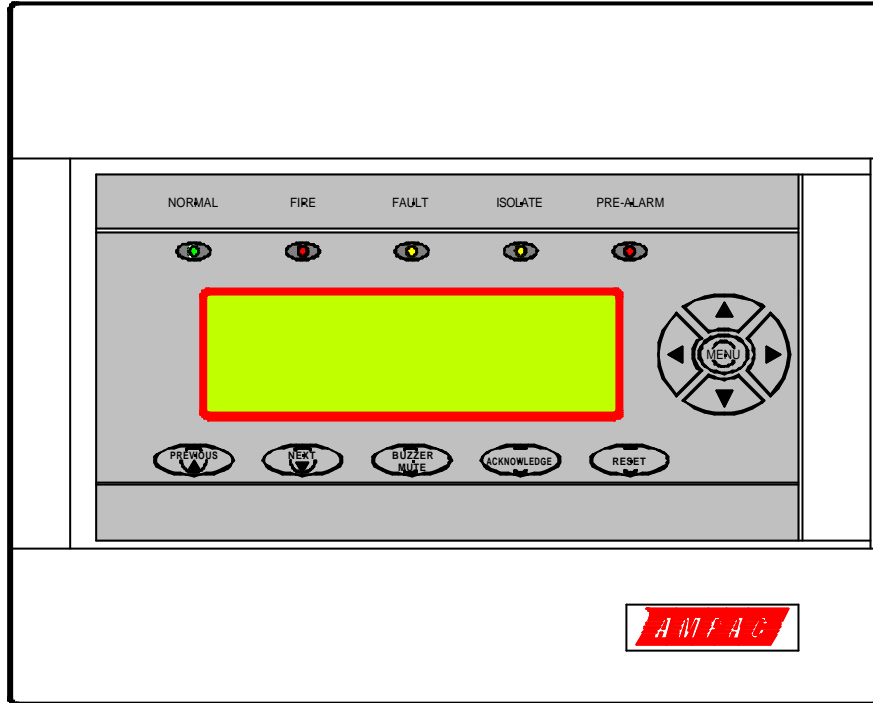


Figure 1: Liquid Crystal Display Repeater

1.1 Programmable Switches

In *Figure 1* the programmable switches (last bottom two on the right) have been designated by way of example “Acknowledge” and “Reset”. In the following explanation these keys have been designated “Your Text” as they can be programmed as Acknowledge, Reset, Sounder (or External Bell) Silence. The keys will have the following operational characteristics if programmed as;

Acknowledge: Pressing this key will acknowledge an alarm currently displayed on the LCD. It will also silence the panel buzzer, which sounds whenever there is an alarm (optional) or fault.

Reset: Pressing this key will reset the FACP, clearing any acknowledged alarms and taking the LCD display back to its default screen, unless there are any uncleared faults or isolated devices, these will continue to be displayed.

Sounder Silence (External Bell): Pressing this button will isolate any bells connected to the fire panel. Pressing again will de-isolate the bell.

2 Operation

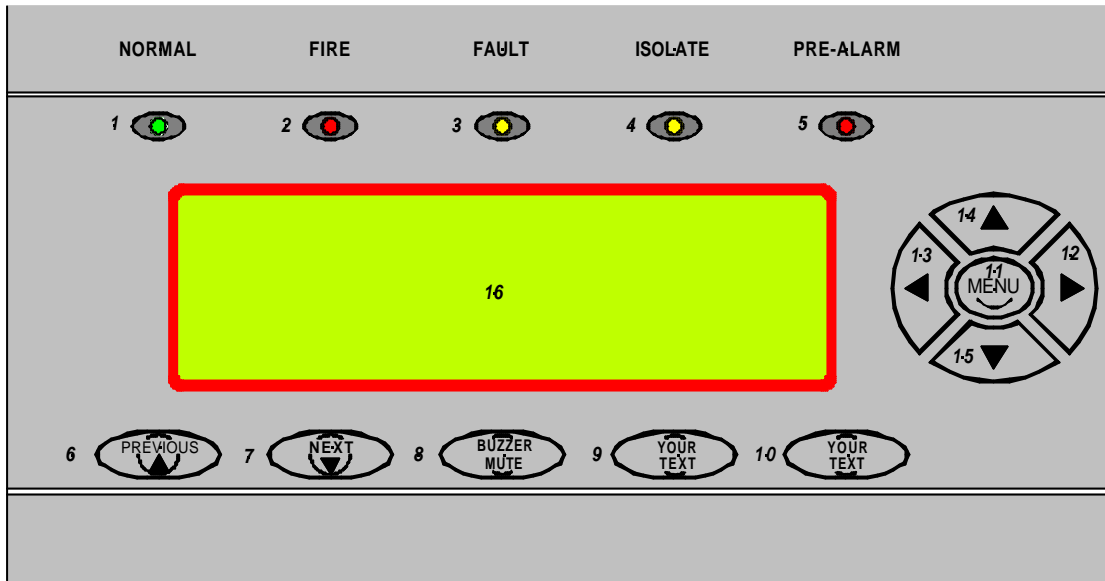


Figure 2: The LCDR Front Panel

The following describes the functionality of the *italicly* numbered indicators and control keys above.

NORMAL

1. **(Green)** This LED is illuminated when the system is Normal or an Isolate or Pre-alarm is present. The LED is extinguished if an Alarm or a Fault condition exists.

FIRE

2. **(Red)** This LED will flash if any unacknowledged alarms are present on the system. If all the alarms have been acknowledged it will light steady.

FAULT

3. **(Yellow)** This LED will light steady if there are any faults on the system, EG. loop faults, module faults, device faults etc.

ISOLATE

4. **(Yellow)** This LED will light steady if any detectors, devices or zones in the system have been isolated.

PRE-ALARM

5. **(Red)** This LED will flash if any unacknowledged Pre-alarms are present on the system. If all the Pre-alarms have been acknowledged it will light steady.



6. **Previous:** is used for scrolling backwards through the displayed system status alarms, faults, or isolates.









7. **Next:** is used for scrolling forwards through the displayed system status alarms, faults, or isolates on the LCD.




8. **Buzzer Mute:** Pressing silences the Internal Buzzer.



9. **Programmable:** Can be programmed as Acknowledge, Reset, Sounder Silence, or functions.

- 10.  **Programmable:** As 9, except that it must be a different function to 9.
- 11.  Pressing the **MENU** key will display the main menu on the LCD.
- 12.  Once the Menu key has been pushed moves the cursor forward through the display
- 13.  Once the Menu key has been pushed moves the cursor backwards through the display
- 14.  Once the Menu key has been pushed moves the cursor upwards through the display
- 15.  Once the Menu key has been pushed moves the cursor downwards through the display

16. **LCD DISPLAY** - The screen can be configured via the FACP with the servicing companies name and phone number. It also displays the current date, time and that the system is normal

If there are any faults or alarms the LCD will display the device in question, if multiple detectors or zones are not in their normal state, the  and  keys are used to scroll through them.

2.1 The Default LCD Display

In its normal state the *LCD* will display a screen similar to that shown below.

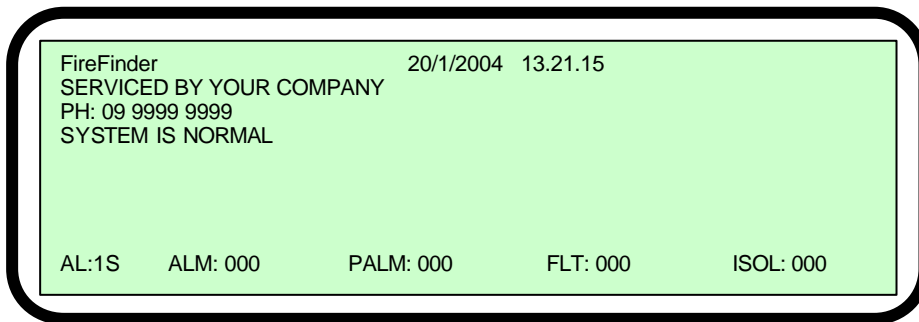


Figure 3: The Default LCD Display

2.2 Accessing Menus

NOTE: A field will be displayed for approximately 1 to 3 seconds before returning to the Main menu.

From the **DEFAULT DISPLAY**, press  **MENU**

2.3 The Main Menu

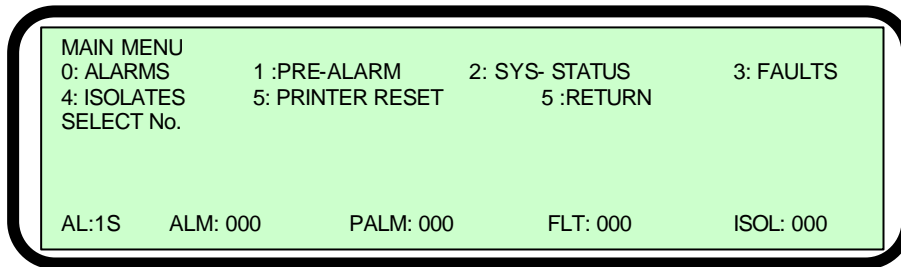


Figure 4: The Main Menu

Press the forward, back, up or down keys to navigate the cursor or highlighted selection to the required menu. In the MENU the user can view;

- 0 FIRE ALARMS:**
- 1 PRE-ALARMS:**
- 2 SYSTEM STATUS:**
Press Menu to enter the STATUS MENU.

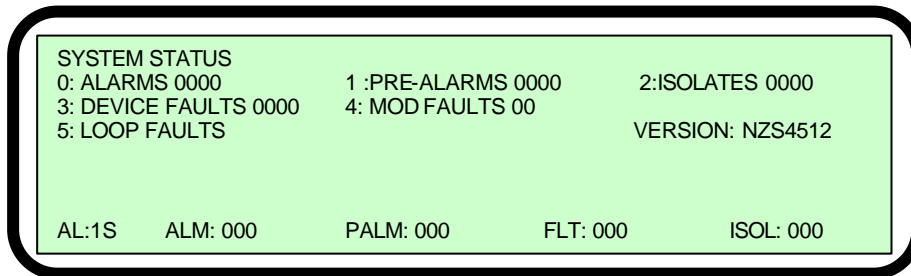


Figure 5: The Status Menu

From the STATUS MENU the status of all of the system components and settings listed below can be displayed.

- 3 FAULTS:** Pressing Menu brings up a sub-menu from which a more detailed description of the Defect can be displayed. With a Defect present use the navigation keys to select the required field then press menu to select the field (0 to 4).

0 Zones Devices	1 Loops	2 Modules	3 Power Supply	4 Brigade
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- 0 Zones Devices:** Display identified zone and device faults
- 1 Loops:** Display identified loop faults
- 2 Modules:** Display loop and I/O module faults.
- 3 Supply:** This menu item will display the charger voltage, whether or not the power supply is in fault, if the battery is correctly fitted and if Mains power is present.
- 4 Brigade:** This displays the fault status of all of the monitored outputs on the Brigade Board. Eg. Bell, Aux, DSW, Warn, Fault, Alarm, Isol, Bfail, Vmon & Brigade Status.
- 4 ISOLATES:** Selecting (pressing Menu) on the system.
- 5 PRINTER RESET:** Selecting (pressing Menu) resets the printer (empties the buffer).
- 6 RETURN:** Selecting (pressing Menu) returns the user to the Default screen.



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