*Loop*Sense

Quick Reference Guide

EN54 –2 & 4 **Fire Alarm Control Panel**

Controls and Indicators

Fig 1 Front Panel Controls and Indicators

1. CONTROLS ENABLE KEY SWITCH, 0 = OFF, 1 = ON

If the key switch is in the OFF position (access level 1), then the OVERRIDE, PREVIOUS, NEXT, SILENCE BUZZER and LAMP TEST controls are active.

If the key switch is in the ON position (access level 2), then the SILENCE RESOUND, RESET, EVACUATE and MENU ENTER controls become active.

Access Level 2 can also be obtained by entering the 4 digit access code.

2. **Delay Active - Override (Access level 2)**

Delay Active – Indicator is illuminated steady when one or more zones are configured with Investigation delays and Delay Mode is active.

The indicator will flash if any Investigation delay timer is running.

If the override control or evacuate control is activated while the investigation delay timer is running, then the indicator will go steady and the investigation zone enters the fire condition.

The indicator will only be OFF if the Delay Mode is OFF or no investigation delays are configured.

Override – Momentary push button. - (EN54-2:1997, clause 7.11), When Delay Mode is ACTIVE and one or more zones configured with investigation delays, and have their delay

1

timer running, activating the OVERRIDE control overrides the investigation delay timer allowing the zone or zones to enter the fire condition immediately.

3. Alarm - Silence / Resound Alarms (Access level 2)

Alarm devices are activated in response to zones/detectors entering the alarm state, or by the EVACUATE control

Alarms – The indicator is illuminated when the sounders have been silenced in response to a fire or evacuate condition and indicates that the resound function is available.

Silence Resound – Momentary push button. Used to silence any alarm devices and resound them by way of a "Toggle" function if the ALARMS indicator is illuminated.

4. Pre-alarm - Previous

PRE- ALARM Illuminated when one or more devices are in the pre-alarm condition and not disabled

Momentary push button. Used to scroll the LCD display to view the previous entry.

5. Fire output – Next

FIRE OUTPUT Illuminated when the FIRE output is active

Momentary push button. Used to scroll the LCD display to view the next available entry.

6. Fire - Silence Buzzer

Fire The Fire Indicator is illuminated when one or more devices are reporting a FIRE condition or the evacuate control has been activated.

Silence Buzzer – Momentary push button. Silences the panel buzzer if it is activated

7. Fault - Reset (Access level 2)

Reset – Momentary push button. Pressing returns the FACP to its power up state clearing any fire alarm conditions, updating the relevant indicators and outputs and clears the system fault indicator if the fault condition has been cleared.

Fault – Indicator illuminated when there are one or more faults on the system.

8. Disabled – Evacuate (Access level 2)

Evacuate - Momentary push button. Turns on all alarm devices, illuminates the FIRE indicator, activates the output to the fire alarm routing equipment and announces the evacuate condition on the LCD. Also if there any alarm devices configured with delays, the evacuate key will override these and force the alarm devices into evacuate.

If there are any zones configured for Investigation or Dependency A, B or C, these will be bypassed when the EVACUATE key is pressed.

Disabled – The indicator is illuminated when one or more zone detectors, loop devices or panel outputs are disabled.

9. Lamp Test – Pressed for 2 to 3 seconds turns ON all indicators (including any ancillary cards), segments of the LCD and the local buzzer in a logical sequence.

10. Cancel – Used to cancel a navigation step or entry in the MENU function

11. MENU / ENTER, 0-9, *, #, CANCEL and ◄▼▲► - Provides a means for entering the menu system, and carrying out interrogation, control and programming activities

12. POWER Illuminated to show the presence of mains power and flashes when the mains have failed

13. SYSTEM FAULT Illuminated when the FACP is unable to provide mandatory functions. Indicator is latched, until cleared by the RESET control

14. EARTH FAULT Illuminated when there is an earth fault detected on the panel

15. **ALARMS STATUS**   Illuminated steady if any of the alarm devices (sounders and/or strobes) have been disabled and flashes if any of the alarm devices (sounders and/or strobes) are in fault. Disable has priority over fault

16. **FIRE OUTPUT STATUS**   Lit steady if the fire output has been disabled and flashes if the fire output is in fault (open or short circuit condition). Disable has priority over fault.

17. **FAULT OUTPUT STATUS**   Illuminated steady if the fault output has been disabled and flashes if the fault output is in fault (open or short circuit condition). Disable has priority over fault

18. **TEST**   Illuminated when the panel is in the test condition. The test condition only applies to active Walk Tests.

19. **ZONE 1**   Illuminated when the associated (in this case Zone 1) zone is in alarm.

Responding to a Fire

The LCD displays the fire status screen and indicates the most recent zone in Fire by way of the zone LED indicators

Display =

```
Zzzz                    FIRE
<zone descriptor>
<date> <time>                CONTROL*
ZONE FIRE XXX OF XXX         DEVICE▶
```

Access Level 1 Indicators and Controls

Access Level 2 Indicators and Controls (Access Password Required)

☞ The **EVACUATE** key is pressed to turn ON all alarm devices.

☞ The **SILENCE/RESOUND** key is pressed to silence any silence-able sounder type outputs that have been activated in response to the fire condition. The ALARMS LED will be illuminated to indicate that the sounders have been silenced and resound is available. The operation of the SILENCE key will be recorded in the "Event Log".

☞ The **RESET** key is pressed to reset the fire condition. All outputs activated in response to the fire will deactivate and the panel will revert to the normal condition providing there are no other abnormal conditions present.

Default LCD Screen

The POWER LED is illuminated meaning the mains voltage is present, and all other indicators are off. The 4 x 40 LCD will display the following;

```
DD/MM/YYYY HH:MM              ACCESS LEVEL 1

USER DESCRIPTOR LINE 1

USER DESCRIPTOR LINE 2

SYSTEM STATUS         DAY-NIGHT/MAN I/O
```

current date, time and access level on line 1

configured user descriptors of customer/site specific information on lines 2 and 3

system status - day-night and manual I/O active information on line 4