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NOTIFIER®
FIRE SYSTEMS

ID3000

operating manual

997-275, Issue 2 June 2001

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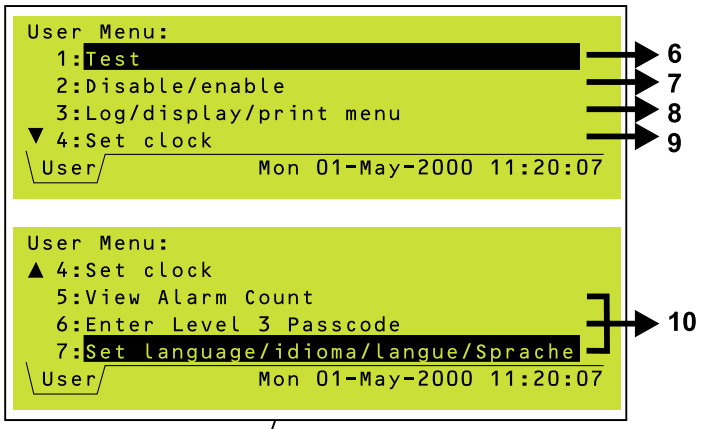

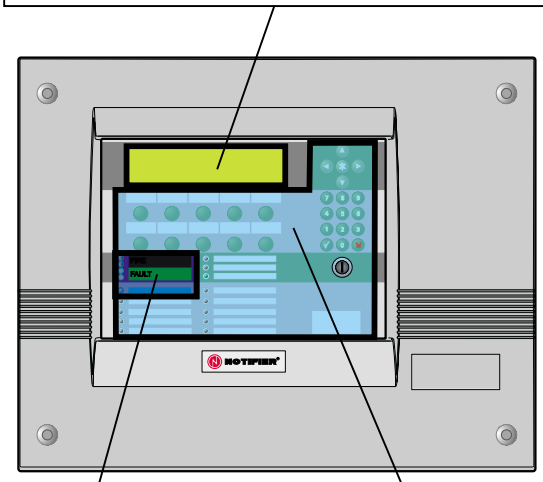

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1 Introduction

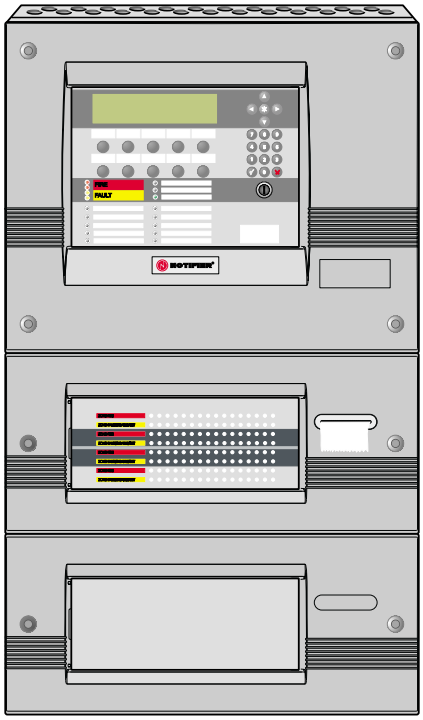


Illustration shows a panel with two extension chassis, one with 64 zone LEDs and a printer, and the other blank.

This manual contains operating instructions for the ID3000 Series of Intelligent Fire Detection Panels. Users of this manual are assumed to be working with a panel that has already been installed and configured appropriately for the area under its supervision.

The ID3000 Series panel always has a main chassis, which includes all of the panel controls and indicators except for zone LEDs. The panel may also have up to two optional extension chassis, each of which may house zone LEDs for either 64 or 128 zones (a panel can have a maximum of 255 zones. All the control and operation functions described in this manual can be carried out using the pushbuttons on the front of the main chassis.

In some installations, panels may be connected together in a network of up to eight panels plus repeaters making a total of up to 32 stations.

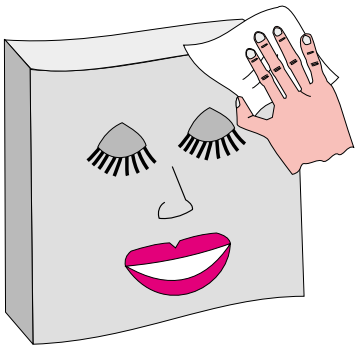
ID3000 Series panels may be connected to up to eight loops of addressable analogue sensors and modules. Each loop has the capacity for up to 99 analogue sensors plus up to 99 modules.

1.1 Associated Documents

This manual does not cover details on the installation or configuration of ID3000 Series panels. For information on these topics, refer to the ID3000 Series Installation and Commissioning Manual (997-274-XXX) and the ID3000 Series Panel Configuration Manual (997-276-XXX) respectively.

Panel software upgrade procedures and panel software compatibility issues are described in the ID3000 Series Panel Configuration Manual (997-276-XXX).

Note: 'XXX' is the country code for the manual. For the UK this code is blank.

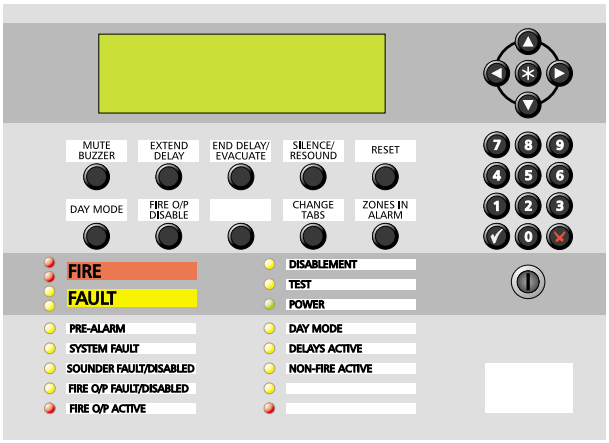


1.2 Cleaning

The panel case may be cleaned periodically by wiping with a soft, damp lint-free cloth. **Do not** use any solvents.

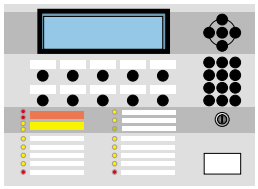
2 Panel Controls and Indicators

2.1 Main Panel



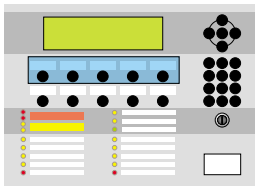
This section provides an overview of the user interface controls and indicators, and references the section(s) of this manual that provide more detailed information.

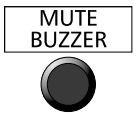
PRIMARY INDICATOR



LCD graphics display - refer to **Section 5**.

PUSHBUTTONS



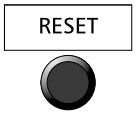


Silences the panel internal buzzer, and accepts an alarm. Refer to **Section 4.2**.

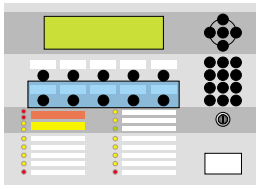
If DAY MODE is configured, introduces a second stage delay if an alarm occurs while DAY MODE is active. Refer to **Section 4.7**.

If any delays are active, first operation cancels the delays, second operation sounds all sounders so-configured. If no delays are active, sounds all sounder so-configured. Refer to **Section 4.1**.

Stops and restarts the sounders. Refer to **Section 4.3**.



Restores normal operating status when all alarm conditions have been removed. Refer to **Section 4.4**.



DAY MODE

Toggles between day and night modes, if they are configured. Refer to **Section 4.7**.

FIRE O/P DISABLE

The Fire relay output (and the Fire Output, if sounder circuit 1 is configured as such) is disabled. Refer to **Section 4.8**.

Spare - Not used.

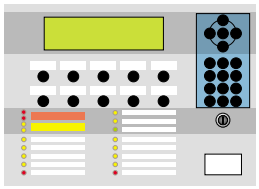
CHANGE TABS

Scrolls through the tabbed displays. Also used to display the User Menu when the panel status is Normal. Refer to **Sections 5.2 and 5.3**.

ZONES IN ALARM

Displays fire alarm information. If there is more than one zone in fire event, scrolls through these zones. Refer to **Section 5.2 and 5.3**.

KEYPAD



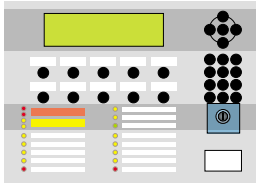
Used to move around the LCD menus. When the panel status is normal, down arrow advances the printer paper.

Used to select quick methods of dis/enablement (**Section 4.5**) and walk test cancellation (**Section 4.6**), to navigate through the menus (**Section 5.4.2**) and to control the event log display (**Section 8.4**). Also used during configuration (refer to the Panel Configuration Manual 997-276-XXX).

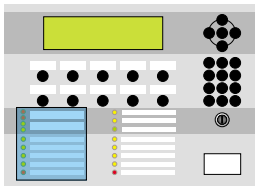
Used to select items and enter data on LCD.

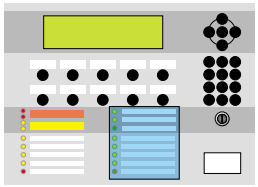
Used to accept an item or state on the LCD.

Used to cancel an item or state on the LCD.



Setting the keyswitch to the right has the same effect as entering an access 2 passcode. Set it to the centre to de-select access level 2.





LEDs

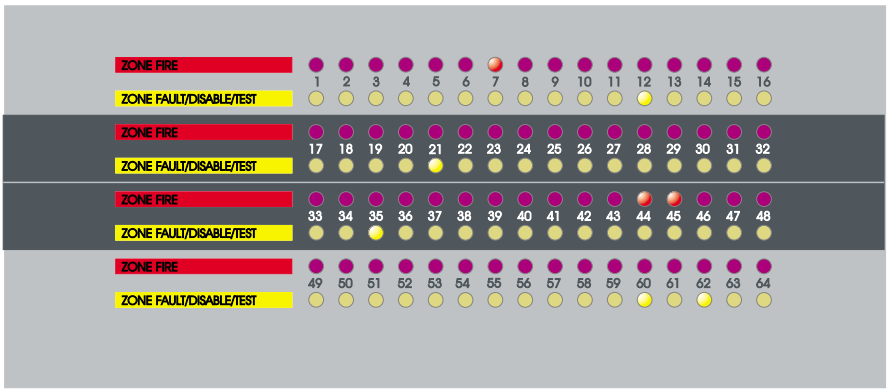
FIRE	A fire condition exists.
FAULT	A fault condition exists.
PRE-ALARM	A pre-alarm condition exists.
SYSTEM FAULT	The system has failed.
SOUNDER FAULT/DISABLED	Sounders have failed or been disabled.
FIRE O/P FAULT/DISABLED	The Fire relay is disabled, or the Fire output (if configured) is disabled or has a fault.
FIRE O/P ACTIVE	The Fire relay (and the Fire output if configured) is active.
DISABLEMENT	One or more devices are disabled.
TEST	A test condition has been entered.
POWER	System power (mains or battery) is available.
DAY MODE	The DAY MODE has been entered.
DELAYS ACTIVE	Programmed delays are in effect.
NON-FIRE ACTIVE	A non-fire device has been activated.
	Spare (2 off) - Not used.

2.2 Zone LED Panels

Two configurations of optional zone LED chassis may be fitted, each with up to two chassis, as follows:

a. 64 zone LEDs per chassis, i.e. 128 zone LEDs in total. This configuration allows a printer to be fitted.

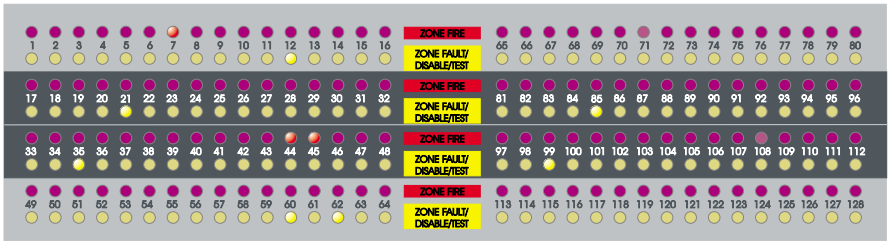
b. 128 zone LEDs per chassis, i.e. 256 zone LEDs in total (maximum 255 zones).



64 zone configuration:

ZONE LEDs 1-64 (chassis 1).

ZONE LEDs 65-128 (chassis 2).



128 zone configuration:

ZONE LEDs 1-128 (chassis 1).

ZONE LEDs 129-256 (chassis 2). Maximum of 255 zones per panel.

ZONE FIRE LEDs indicate which zones are in a fire condition.

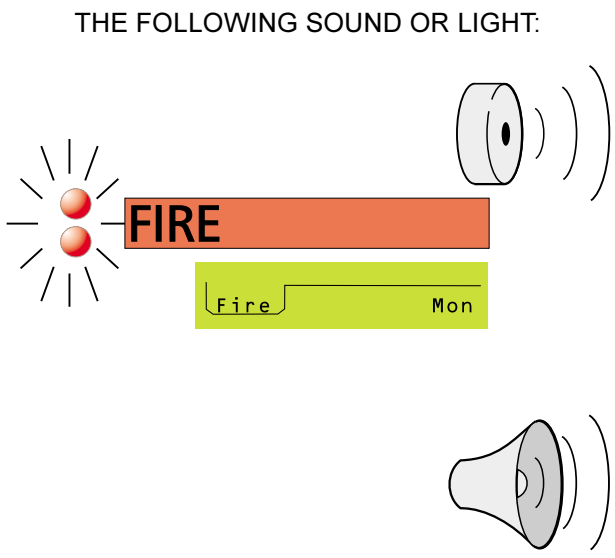
ZONE FAULT/DISABLE/TEST LEDs indicate which zones are in fault, disablement or test conditions.

3 Automatic Alarms - what to do

The following assumes that either:

a. The access passcode 2 is active (see **Section 5.4.1**), or

b. That the panel keyswitch is operated (turned to the right) to allow the pushbuttons to be used without the access 2 passcode.



3.1 Fire Alarms

Automatic panel actions - If the system detects a fire alarm, the panel always does the following automatically:

a. Operates the internal (high-pitched) buzzer.

b. Flashes the red FIRE LED and numbered red FIRE ZONE LED (if fitted).

c. Displays and prints (if printer is installed and enabled) information about the event. Displays a FIRE tab on the LCD.

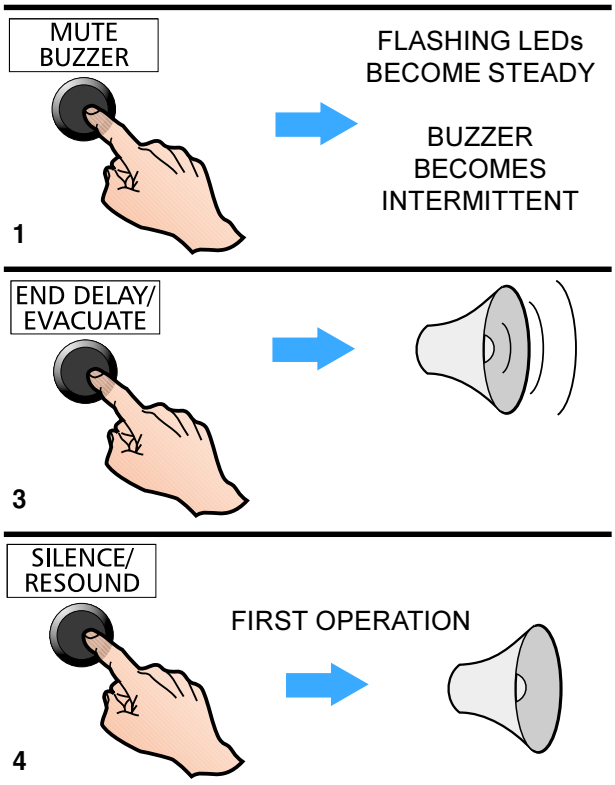
d. Operates the fire transfer output(s), for fire brigade alert.

e. Operates the sounder circuits and remote Control Modules according to the panel's configuration, as set during commissioning.

f. If any delayed sounders are incorporated in the panel's configuration, the DISABLEMENT LED remains lit steadily and the DELAYS ACTIVE LED changes state from steady to flashing mode.

Note: When the timer has run out and the sounders activated, the DELAYS ACTIVE LED extinguishes if there are no other sounder disablements on the system. When the panel is reset the DELAYS ACTIVE and DISABLEMENT LEDs light steadily again.

g. Any pre-alarm indications are suppressed when the panel enters the FIRE alarm state. In the FIRE alarm state the panel will give no further indication of pre-alarm occurrences. Point information on pre-alarms may be accessed at the LCD but is suppressed by the fire event information.



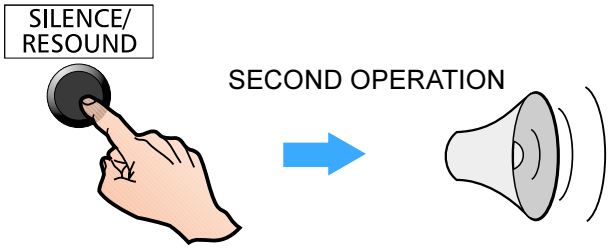
Recommended operator actions:

1 Press the MUTE BUZZER pushbutton. Flashing LEDs change to steady operation. The internal buzzer changes to intermittent operation (once every 12 seconds).

2 Follow prescribed instructions for evacuation of premises, notification of Fire Brigade and investigation of source of Fire.

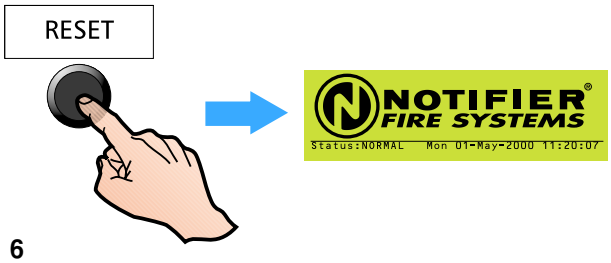
3 If additional sounder operations are required to achieve a complete and immediate evacuation of the premises, press the END DELAY/EVACUATE pushbutton twice (first operation cancels any active delays).

4 When evacuation of premises is achieved, or at the direction of an authorised person, the Alarm sounders may be silenced by pressing the SILENCE/RESOUND pushbutton. Any delayed operations for which the timer has not yet expired are also cancelled by pressing SILENCE/RESOUND, if configured.



5

5 To re-start sounders after having pressed SILENCE/RESOUND, press the SILENCE/ RESOUND pushbutton again.



6

6 When the cause of alarm has been removed and call points and input devices have been locally reset, the system may be returned to NORMAL by pressing the RESET pushbutton.

3.2 Pre-alarms

This is the condition when one or more input devices has signalled a PRE-ALARM to the panel - i.e. a reading which is higher than normal but not yet at the FIRE level.

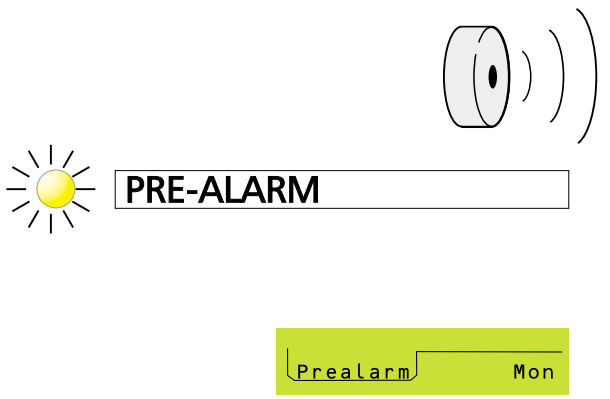
Automatic panel actions:

a. Operation of the internal (high-pitched) buzzer, intermittently (once every 12 seconds).

b. Flashing of amber PRE-ALARM LED.

c. Operation of those programmed control outputs which are associated with pre-alarm events (if there are any specified in the programmed panel configuration).

d. Display and printing (if printer is installed and enabled) of the event. Displays a PRE-ALARM tab on the LCD.

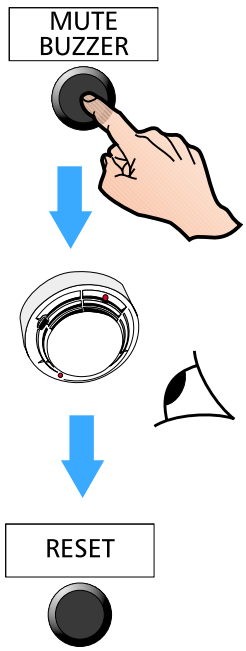


Recommended operator actions:

1 Press the MUTE BUZZER pushbutton. The internal buzzer changes to intermittent operation (once every 12 seconds). Flashing PRE-ALARM lamp changes to steady operation.

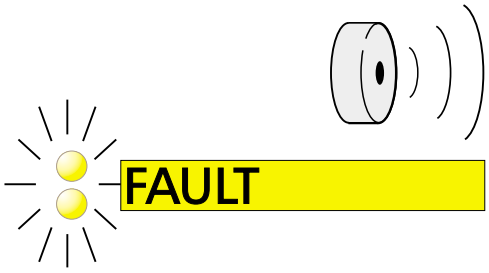
2 Check condition of detector indicated and check area for possible fire. If the cause cannot be determined notify authorised Servicing company.

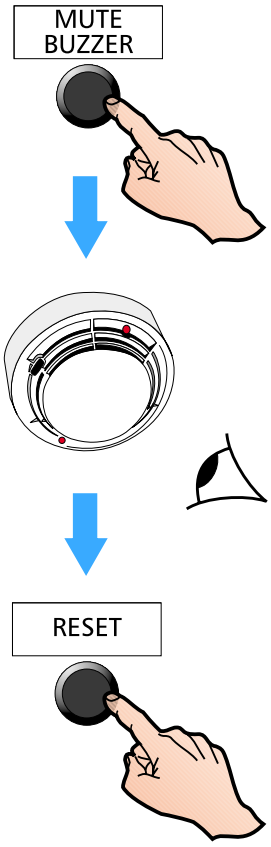
3 When cause of pre-alarm has been cleared, press RESET pushbutton.



3.3 Fault Alarms

THE FOLLOWING SOUND OR LIGHT:





Automatic panel actions - If the system identifies a fault, the panel always does the following automatically:

a. Operates the internal FAULT buzzer (intermittently in the case of a power supply fault).

b. Flashes one or more amber FAULT LEDs, including numbered amber ZONE Fault LED(s) if appropriate.

c. Operates any control outputs which are associated in the pre-programmed panel configuration with fault events.

d. Displays and prints (if printer is installed and enabled) information about the event. Displays a FAULT tab on the LCD.

Note: For a sensor fault, only the point of origin or a brief reference appears on the text display.

e. Operates the fault transfer relay (for automatic alert to a service centre).

Recommended operator actions:

1 Press the MUTE BUZZER pushbutton. The internal fault buzzer changes to intermittent operation (once every 2 minutes).

2 If the fault relates to a specific sensor or module, investigate device to see if cause of fault is immediately apparent and can be corrected.

3 In all other cases, note full description of fault and notify the authorised Servicing company.

4 When cause of fault has been cleared, press the RESET pushbutton.

Note: If the 'System Fault 40 - Main CPU Watchdog Operated' message is displayed, it is also necessary to press the SILENCE/RESOUND pushbutton to mute the fault buzzer.

4 How to

All pushbuttons described in this section except END DELAY/EVACUATE require entry of an access 2 passcode, or the keyswitch set appropriately. If the passcode is not currently active, the LCD screen displays a request for it (see **Section 5.4.1**). Enter the passcode and then press the ✓ pushbutton.

Note: MUTE BUZZER and EXTEND DELAYS may be configured in the panel to operate at access level 1.

4.1 Evacuate (and End Delays)

If the DELAYS ACTIVE LED is flashing (panel in alarm) press the END DELAY/EVACUATE pushbutton once to end the delays.

This pushbutton also ends DAY MODE delays (see **Section 4.7**).

With no delays active (DELAYS ACTIVE LED either lit steady if delays are configured but not active, or not lit if delays have timed out or have ended after first operation of the END DELAY/EVACUATE pushbutton):

1 Press the END DELAY/EVACUATE pushbutton.

2 If at level 1, enter the access 2 passcode followed by ✓. If at level 2, just press ✓ to cause sounders and other devices to operate, if they are configured to do so.

IF
DELAYS ACTIVE
IS FLASHING AMBER, THEN FIRST

END DELAY/ EVACUATE

OTHERWISE (LIT STEADY OR OFF), JUST

END DELAY/ EVACUATE

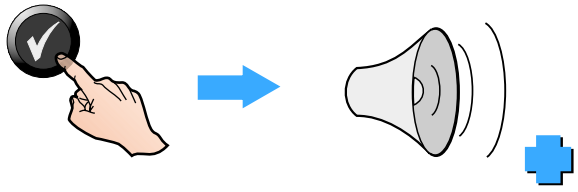
```
EVACUATE
Turn keyswitch or type Passcode for
Level 2 followed by ✓:

Status:NORMAL    Mon 01-May-2000 11:20:07
```

IF AT LEVEL 1, ENTER THE LEVEL 2 PASSCODE.

IF ALREADY AT LEVEL 2, THE DISPLAY IS DIFFERENT:

```
EVACUATE (✓/X)?
```

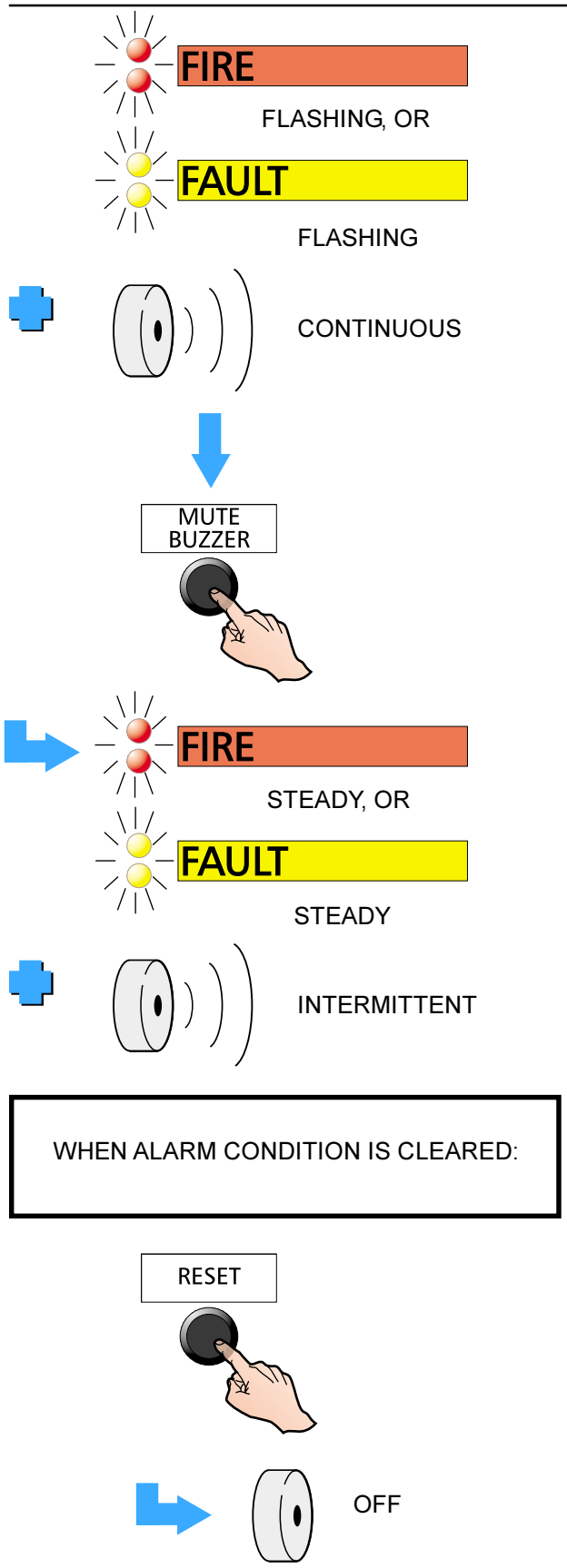
IN EITHER CASE:



```
EVACUATE initiated        01-May 11:17:32
Location: Panel description

 Evacuate  User   Mon 01-May-2000 11:20:07
```

If END DELAY/EVACUATE is pressed while the SILENCE/RESOUND mode is set to SILENCE, first the sounders are re-activated, then any additional actions occur as required by the evacuation strategy configured in the panel.

Note: The evacuation strategy could be completely different to the Fire alarm actions configured in the panel.



4.2 Mute Buzzer

After an alarm or fault has occurred, press the MUTE BUZZER pushbutton to:

a. Accept the alarm or fault. The flashing FIRE or FAULT LEDs light steady.

b. Switch either the FIRE or FAULT internal buzzer from continuous to intermittent operation:

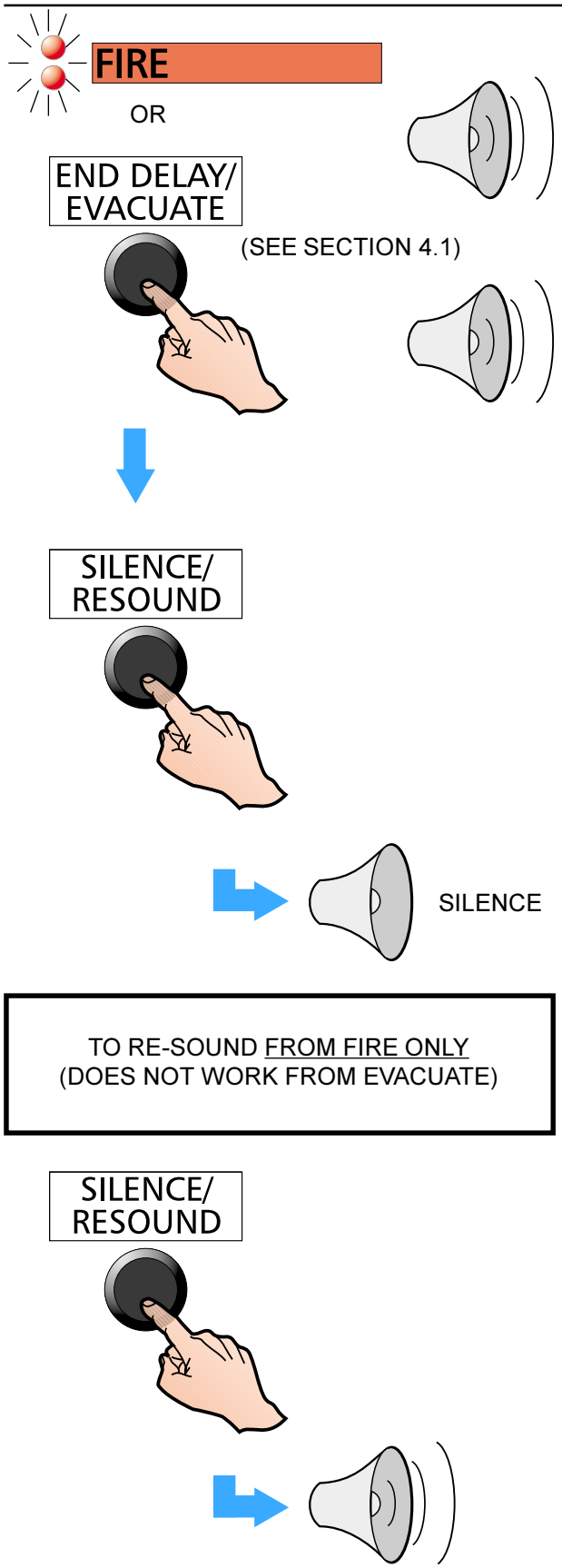
   FIRE buzzer at 12 seconds interval.

   FAULT buzzer at 2 minutes interval.

If both buzzers are sounding, the FIRE buzzer operates intermittently and the FAULT buzzer is silenced.

This mode of operation then continues until the system is RESET (FIRE and FAULT conditions latch).

Note: If the 'System Fault 40 - Main CPU Watchdog Operated' message is displayed, it is also necessary to press the SILENCE/RESOUND pushbutton to mute the fault buzzer.



4.3 Silence/Resound Sounders

The term 'silence', as used throughout this manual, describes a temporary state the panel enters whenever the SILENCE/RESOUND pushbutton is pressed to stop the sounders operating. While the panel is in this state, a new fire alarm, or operation of the END DELAY/EVACUATE pushbutton, will re-sound all previously-silenced sounders.

To cancel all sounder output delays and all sounder outputs which are operating as a result of a FIRE alarm or an EVACUATE operation:

1 Press the SILENCE/RESOUND pushbutton. The following are **not** switched off by this operation:

   a. The internal FIRE buzzer (except in the case detailed below).

   b. Any external Control Modules that have been programmed not to be silenced by SILENCE/RESOUND.

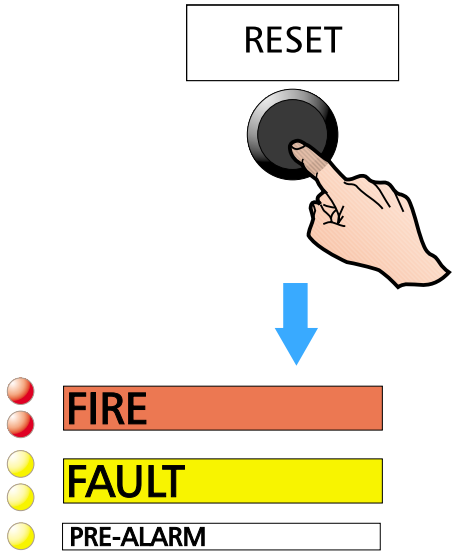
2 To start the sounders again in the same pattern as they were previously operating, press the SILENCE/RESOUND pushbutton.

Note: SILENCE/RESOUND works for a fire condition only, not for an operation of the END DELAY/EVACUATE pushbutton.

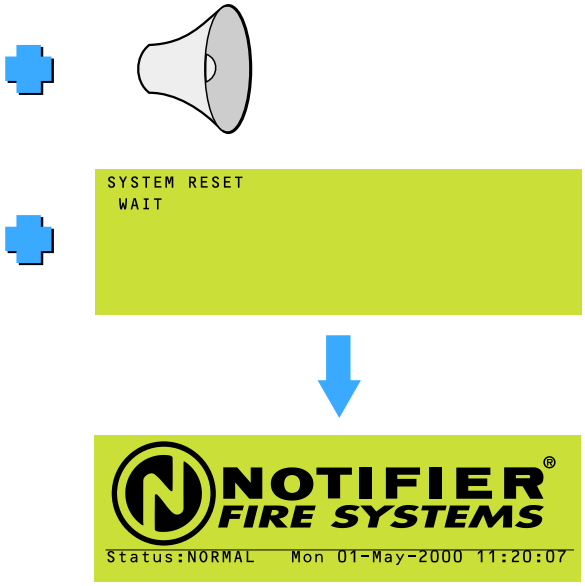
Note: When the sounders are restarted, the internal fire sounder will also change back to steady mode of operation and you may have to press MUTE BUZZER again.

In the exceptional case of a 'System Fault 40 - Main CPU Watchdog Operated' type fault, to mute the fault sounder the SILENCE/RESOUND pushbutton must be pressed, followed by the MUTE BUZZER pushbutton.

How to



ALL **OFF**



4.4 Reset the Panel

To reset the system completely (**except** after an EVACUATE operation), press the RESET pushbutton. The following occurs:

a. All FIRE, PRE-ALARM and FAULT LEDs are switched off.

b. All sounders cease to operate (either steadily or intermittently).

c. A SYSTEM RESET message is displayed briefly.

d. The status returns to NORMAL.

e. Some internal tests are carried out: they will be completed within a few seconds.

External Control Modules will be switched off, even if they are programmed to not be silenced by SILENCE/RESOUND.

If an Alarm, Pre-Alarm or Fault is still present when RESET is pressed, it will be reported as if it were a completely new event with appropriate annunciation.

Note: If the 'System Fault 40 - Main CPU Watchdog Operated' message is displayed, the event cannot be reset until the SILENCE/RESOUND pushbutton has been operated.

How to

4.5 Disable/Enable Devices and Zones (Quick Method)

This allows a device or zone to be:

a. Disabled quickly if the Fire tab is current, and then re-enabled.

b. Disabled quickly if the Pre-alarm tab is current, and re-enabled. Devices only.

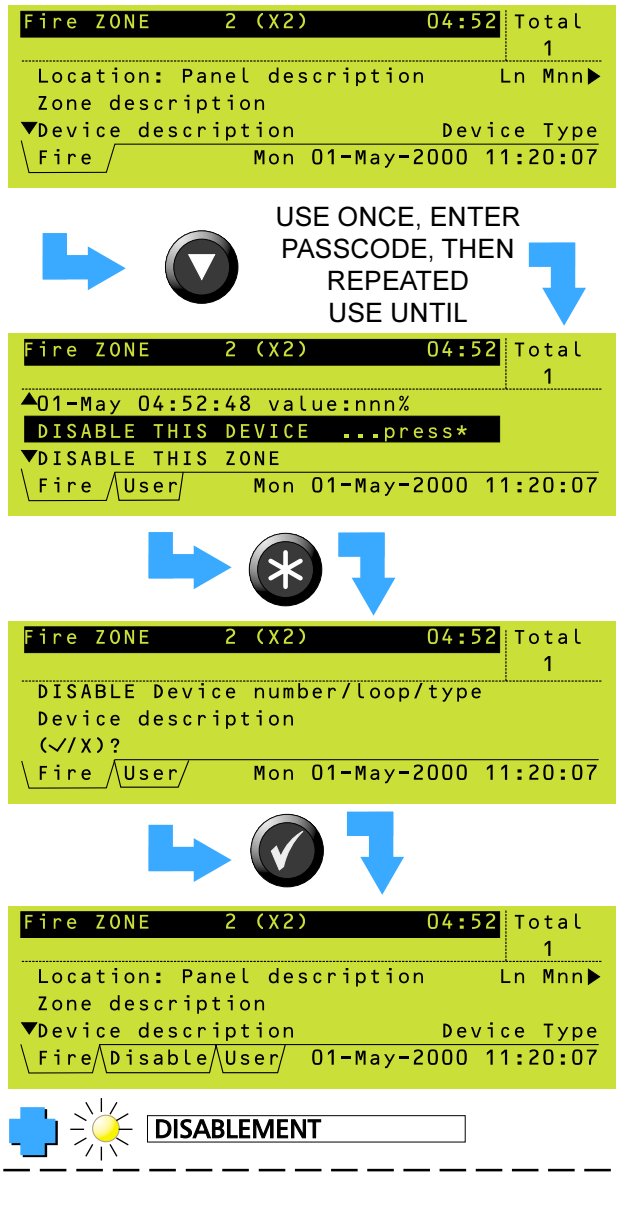
c. Enabled quickly if the Disable tab is current, or fully-disable a partially-disabled zone.

4.5.1 From Fire Tab

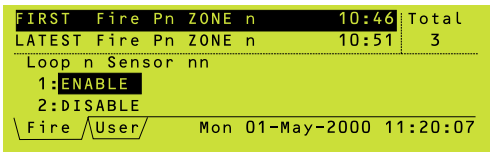
Device

The example shows how to disable an individual device when the Fire tab is displayed.

Further details about the Fire tab are given in **Section 5.3.1, Fire Alarm Event Display**.



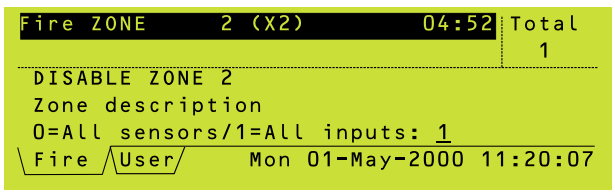
Networked systems only - the current enablement status of a device on a remote panel is unknown to the local panel, so the options shown below are given instead of the prompt shown at left.



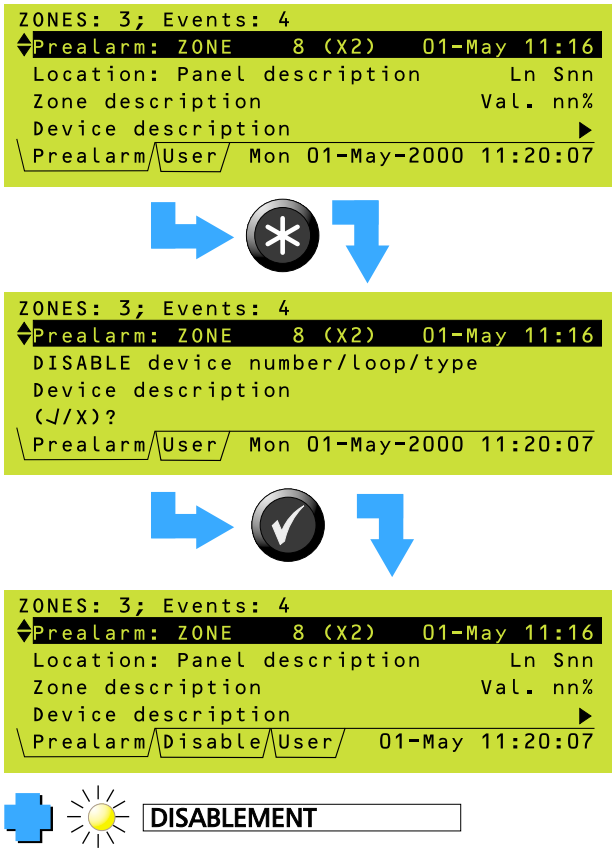
Repeating this procedure displays the option to enable the disabled device.

Zone

Alternatively, press ⊛ when DISABLE THIS ZONE is highlighted, then select either ALL SENSORS or ALL INPUTS (this choice is not provided for remote networked panels). A confirmation prompt is then displayed.



Repeating this procedure displays the option to enable the disabled zone.



4.5.2 *From Pre-alarm Tab*

The example shows how to disable an individual device when the Pre-alarm tab is displayed. The procedure is similar to that for Fire but:

a. There is no DISABLE THIS DEVICE to highlight; just press ✱ while the required device is displayed.

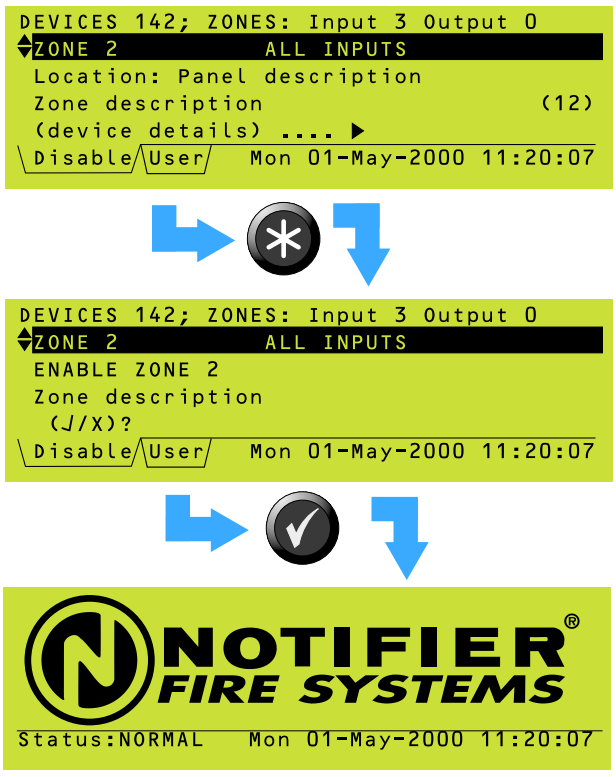
b. There is no ZONE option.

Access level 2 passcode is required.

Further details about the Pre-alarm tab are given in **Section 5.3.2 Pre-alarm Event Display**.

Repeating this procedure displays the option to enable the disabled device.

Networked systems - Differences described for Fire at networked panels also apply to Pre-alarm.



4.5.3 *From Disable Tab*

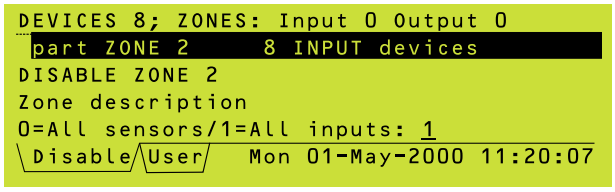
The example shows how to enable a disabled zone when the Disable tab is displayed. Individual devices can also be enabled (first display the appropriate device). The procedure is similar to that for Pre-alarm.

Access level 2 passcode is required.

Further details about the Disable tab are given in **Section 5.3.4 Disable Event Display**.

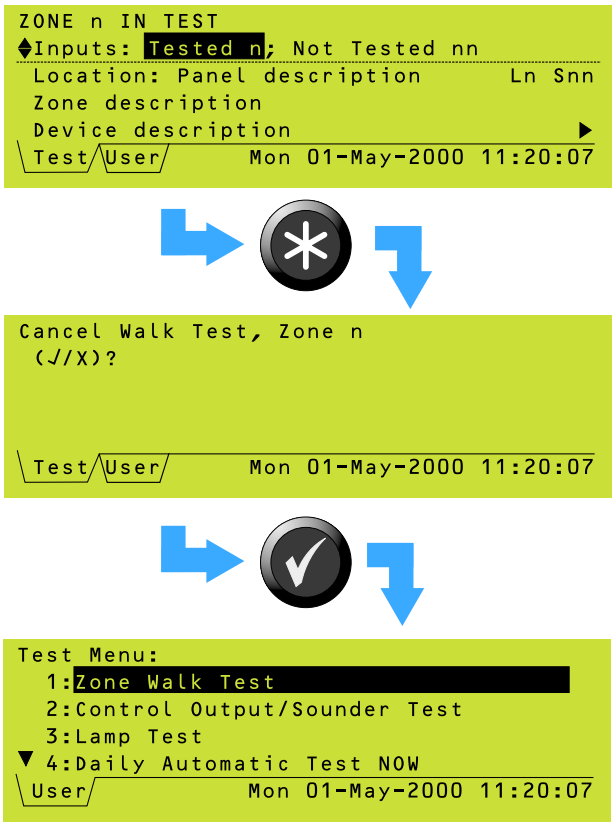
The use of the menu system to disable and enable devices and zones is described in **Section 7, Disable/Enable Menu**.

This procedure is not available for zones on remote networked panels.



This example shows a partially-disabled zone. This can be fully disabled for either ALL SENSORS or ALL INPUTS (there is no quick method to disable outputs, nor is there one to enable a partially-disabled zone).

4.6 Discontinue a Walk Test (Quick Method)



The example shows how to cancel a walk test when the Test tab is present.

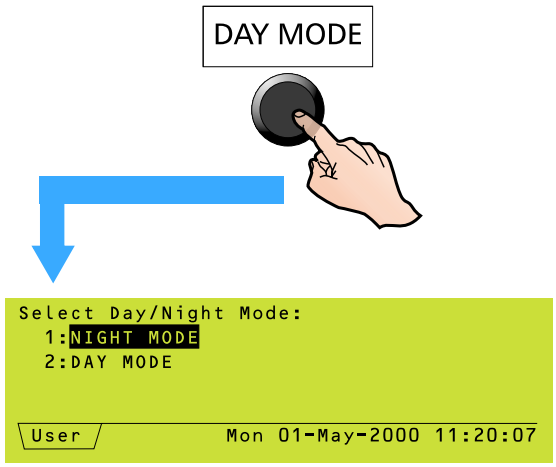
Access level 2 passcode is required.

This procedure is also available for walk tests on remote networked panels.

Further details about the Test tab are given in **Section 5.3.5 Test Event Display**.

The use of the menu system to start and stop the zone walk test is described in **Section 6.2 Zone Walk Test**.

How to



IF DAY MODE IS SELECTED:

IS LIT STEADILY. IF THERE IS AN ALARM IT FLASHES DURING THE DELAY. TO EXTEND THE DELAY, PRESS:

4.7 Select Day or Night Mode

This pushbutton toggles between Day Mode and Night Mode for the fire output(s), providing the function is configured. If it is not configured, the message 'Day/Night Mode not implemented on this system' is displayed.

Note: The panel may also be configured to enter Day Mode automatically at specified times of day.

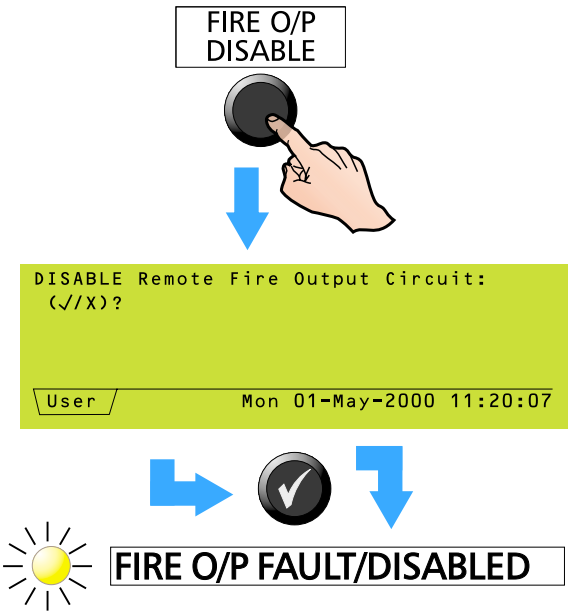
The modes have the following effects:

a. DAY - The DAY MODE LED is lit steadily and a two-stage investigation time delay is configured on the fire output(s). If an alarm occurs, the DAY MODE LED flashes, indicating that the first stage investigation delay is active. The second stage investigation delay is initiated by pressing the EXTEND DELAY pushbutton during the first-stage delay time (while the DAY MODE LED is flashing) - its duration takes into account the time already elapsed for the first stage. When the delay(s) expire, the fire output(s) are activated and the DAY MODE LED extinguishes (until the panel is reset).

Note: If EXTEND DELAY is operated when no delays are active the message 'There are no delays running which can be extended' is displayed.

b. NIGHT - There are no delays on the fire output(s). The DAY MODE LED is not lit in this mode.

Note: Although any outputs can be configured with delays, only the fire output(s) are affected by the Day Mode delays.



4.8 Disable a Fire Output

If any of the panel internal Sounder/Relay circuits or the Fire VFCO Relay have been configured as Remote Fire Outputs, operation of the FIRE O/P DISABLE pushbutton disables these outputs.

Press the FIRE O/P DISABLE pushbutton a second time to re-enable the Remote Fire Outputs.

Note: The configuration procedure is given in the ID3000 Series Panel Configuration Manual, 997-276-XXX Section 11.2.17.

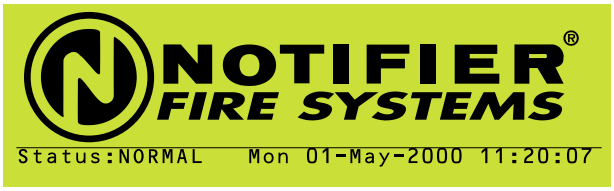
4.9 Using Other Panel Controls

Refer to **Section 5** for use of the CHANGE TABS and ZONES IN ALARM pushbuttons, and of the numeric keypad and cursor keys.

5 The Display - Tabs, Events and Menus

5.1 Introduction

5.1.1 Status: NORMAL



The Status: NORMAL display appears when:

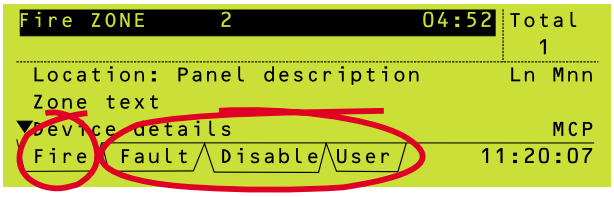
a. No alarm or test conditions exist, and

b. No menus are being accessed.

Other NORMAL indications:	
POWER LED (green)	ON
Other LEDs	OFF
Internal buzzers	OFF
Internal sounder circuits	OFF
FIRE, FAULT relays	OFF
Control modules	OFF (unless operated by an auxiliary action)

The built-in LED indicators on all sensors and modules should either give short pulses or be off altogether.

5.1.2 Tabs

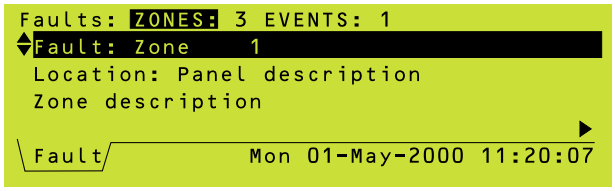


CURRENT DISPLAY

OTHER AVAILABLE DISPLAYS

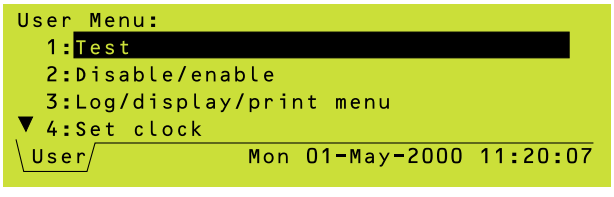
When conditions other than Status: NORMAL exist, the LCD displays event data. More than one type of data may be available for display at any one time (eg, Fire Alarms, Faults, Menus etc.). When this occurs, the types of data available are identified by tabs at the bottom of the display.

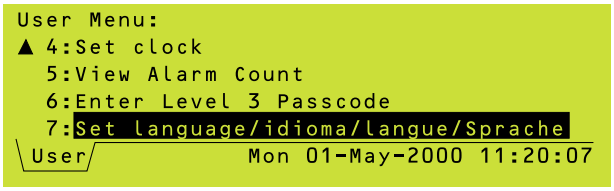
5.1.3 Events



Fire Alarms, Pre-alarms, Faults, Disablements, Tests, Evacuate mode, and Auxiliary input activations are shown on Event displays. A Fault event display is shown. On networked panels the 'Location' text is replaced by the panel type (e.g. Master, Slave 1 etc).

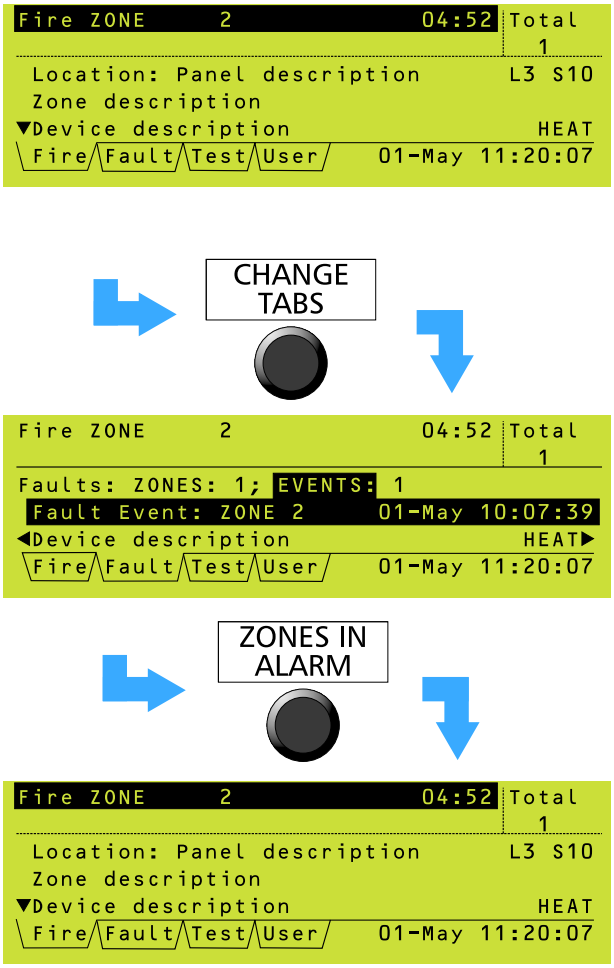
5.1.4 Menus





Menus are arranged in a heirarchy, the top of which is the User Menu from which other menus are accessed.

5.2 Tabs



When tabs are displayed, use the CHANGE TABS pushbutton to scroll through them and display the corresponding data.

The tabs are (in descending order of priority):

FIRE
PRE-ALARM
FAULT
DISABLE
TEST
EVACUATE
AUX
USER *(at access level 2)*

The tabs are displayed in this order from left to right. All the tabs display events except for the USER tab, which displays menus. The current tab is that without a line above it.

To the right of the tabs is a display of the current day, date and time. If there is insufficient room to display all the tabs, the day/date/time display is shortened, the minimum being a display of hours and minutes.

Note: If there is still insufficient room to display all the tabs, the ones at the right (those with lowest priority) are omitted.

Use ZONES IN ALARM to go directly to the FIRE tab without scrolling through the other tabs. If there is more than one zone in alarm, subsequent operations of the ZONES IN ALARM pushbutton step through these zones.

Note: If the FIRE tab is present but not selected, and for 20 seconds none of the panel pushbuttons are pressed, the FIRE tab is then selected automatically.

Note: If the USER tab is selected, and for 2 minutes none of the panel pushbuttons are pressed, the tab is deselected automatically and all passcodes are cancelled (except when the keyswitch is set to the horizontal position).

5.3 Event Displays

5.3.1 Fire Alarm Event Display

If a Fire is detected, the Fire tab is selected automatically to show the Fire Alarm Event Display:

a. 'Fire ZONE' field shows zone(s) in alarm (in this case zone 2), the number of devices in alarm in that zone (X2 = 2 devices) and the time at which the first alarm occurred in the zone. **Network systems only:** the panel number is also shown (e.g. P0 for master, P1 for slave 1 etc).

b. 'Total' field gives the number of zones in alarm on the panel, or (if networked) on the system.

c. 'Description' field displays the event data.

Section 5.2 describes the tab and day/date/time fields.

The ▶ and ◀ arrows step through the devices, when more than one device is in alarm in the zone. Each device is identified by its loop number (Lnn) and device number (Snn for sensors, Mnn for modules).

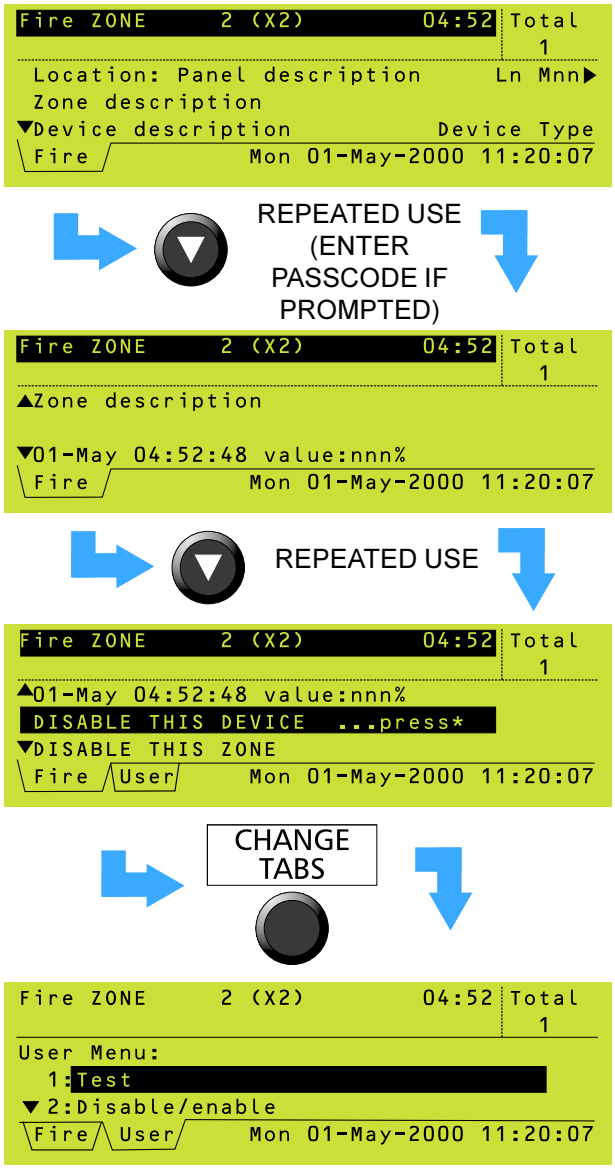
The ▼ and ▲ arrows step through additional data and options about the device in alarm. **You must be at least at access level 2 to do this;** if you are not a passcode prompt will appear.

Refer to **Section 4.5** for details of the disablement options.

If the CHANGE TABS pushbutton is used to display other data (another type of event or a menu), the display area is reformatted so that the top two lines continue to display fire information. The Fire tab information is automatically re-displayed after 20 seconds.

(continued on next page)

SPECIAL CASE IF ELIBS ARE FITTED - If the panel loses communications with an ELIB which then detects a fire, and the panel software is still running, the Fire Alarm Event Display shows 'GENERAL FIRE SIGNAL ACTIVATED'.

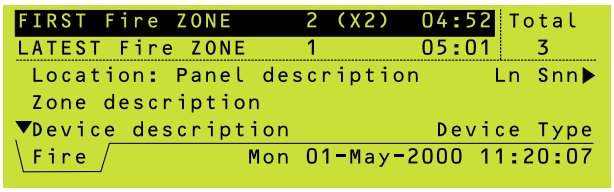


Other FIRE indications:

Note: The term 'accepted' means that the MUTE BUZZER pushbutton has been operated, or a user operation has been carried out.

POWER LED (green)	ON
FIRE LEDs (red)	if not accepted: FLASHING if accepted: STEADY
(if a new alarm occurs, flashes again until accepted)	
ZONE LEDs (if fitted, for zones in which fires have been detected - red)	
	if not accepted: FLASHING if accepted: STEADY
Internal buzzers	
If not accepted:	
Fire buzzer (high-pitched):	Fast pulse, 0.5 sec ON 0.5 sec OFF
If accepted or buzzer silenced:	
Fire buzzer (muted):	ON intermittently 3 x 0.5 sec pulses, 0.5 sec apart followed by 10.5 sec OFF
Internal sounder circuits (unless configured otherwise)	STEADY
FIRE relay	ON
FAULT relay	OFF
Control modules	As configured

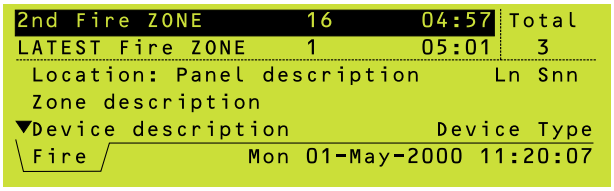
The built-in LED indicators on the sensors and modules which issued the alarm will be on STEADY if the alarm input conditions still exist, otherwise they will show 1 second on/1 second off pulses (possibly with intervening short pulses). The LEDs of active Control Modules (those for which the control output is ON) will be OFF. The LEDs of all other sensors and modules should either give short pulses or be off altogether, depending upon the configuration.



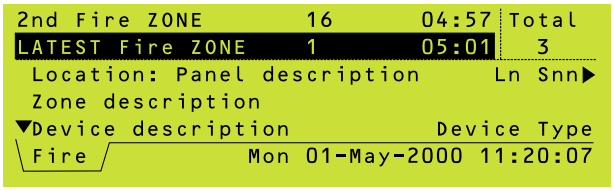
When more than one zone is in alarm, use ZONES IN ALARM to step through the zones.

In this example (for illustrative purposes only) three zones are in alarm:

a. The first fire is in zone 2 and there are two devices in alarm in that zone.



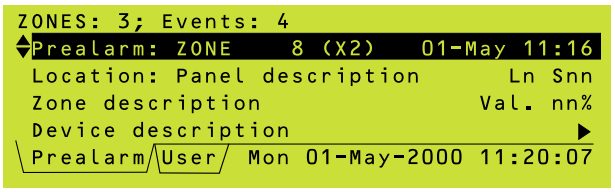
b. The second fire is in zone 16 and one device is in alarm in that zone.



c. The third (and latest) fire is in zone 1 and one device is in alarm in that zone. LATEST Fire ZONE is always displayed.

5.3.2 Pre-alarm Event Display

Provided the panel is not in alarm, if any device is in pre-alarm the Pre-alarm tab is displayed.



The display is similar to Fire (including differences when networked) but only one zone is shown at a time. A summary of the number of zones affected and the number of pre-alarm events is given at the top of the display. In this example, three zones are in pre-alarm and there are four events, two of which are in zone 8 which is currently displayed.

Use the ▼ and ▲ arrows to step through the zones when more than one zone is in pre-alarm. Use the ▶ and ◀ arrows to step through the devices, when more than one device is in alarm in the zone. Each device is identified by its loop number and address number, either sensor (S) or module (M).

Other PRE-ALARM indications:

Note: The term 'accepted' means that the MUTE BUZZER pushbutton has been operated.

POWER LED (green)	ON
PRE-ALARM LED (amber)	if not accepted: FLASHING if accepted: STEADY
Other LEDs	OFF
Internal buzzers	
If not accepted:	
Pre-alarm buzzer (high-pitched):	ON intermittently 3 x 0.5 sec pulses 0.5 sec apart followed by 10.5 sec OFF
If accepted or buzzer silenced:	
Pre-alarm buzzer (muted):	ON intermittently 3 x 0.5 sec pulses 0.5 sec apart followed by 10.5 sec OFF

Circuits controlled internally and control modules perform their configured functions.

5.3.3 Fault Event Display

When a fault is detected, the Fault tab is displayed.

Zone faults

If there is more than one zone, use the ▲ and ▼ arrows to scroll through the zones. The zones are displayed in order of zone number. **Remote networked panels:** zone descriptions are only given on the 'by event' display described below.

Faults can also be displayed by event, in chronological order. There may be more than one fault in a given zone. In this case the ▲ and ▼ arrows scroll through the events.

For the currently-selected event, use the ▶ and ◀ arrows to scroll through the device description, fault description, loop and device number, zone number, device type, and value. Value is not given for devices on remote networked panels.

Repeated use of the ◀ arrow re-displays the faults-by-zone display.

Non-zone faults

Some faults are not associated with a zone; i.e. there is an event number but no zone number. The only information given is the fault description (for system faults use the ▶ and ◀ arrows to scroll through the description).

Multi-zone faults

Some faults (e.g. LOSS OF ENTIRE LOOP) may be associated with more than one zone. The 'events' display shows the fault message and the 'zones' display allows you to step through all the affected zones.

Other FAULT indications:

Note: The term 'accepted' means that the MUTE BUZZER pushbutton has been operated.

POWER LED (green) if mains or battery power OK: ON

SYSTEM FAULT, SOUNDER FAULT/DISABLED or FIRE O/P FAULT/DISABLED LED - if appropriate (amber)

if not accepted: FLASHING
if accepted: STEADY

ZONE LEDs (if fitted, for zones in which faults have been detected - amber)

if not accepted: FLASHING
if accepted: FLASHING

Other LEDs OFF

Internal buzzers

If not accepted:

Fault buzzer (high-pitched): ON STEADY

If accepted or buzzer silenced:

Fault buzzer (muted): Intermittent - one 0.5 sec pulse ON followed by 11.5 sec OFF

Sounder circuits Configured function

FIRE relay OFF

FAULT relay ON

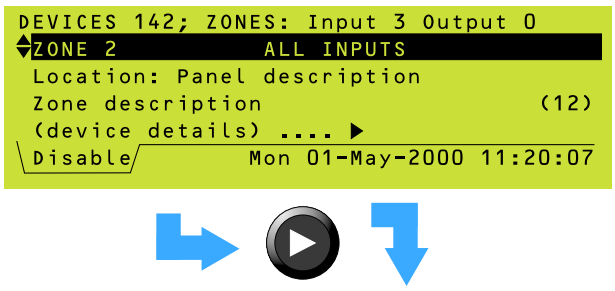
Control Modules Programmed function

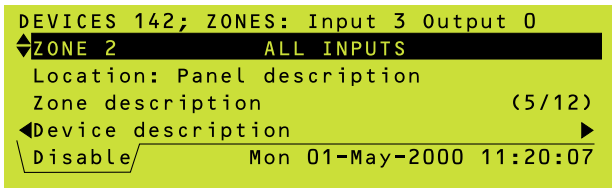
For 'Type Mismatch' and 'Duplicate Address' faults, the built-in LED indicators on the sensors and modules for which the fault occurred will show 1 second on/1 second off pulses (possibly with intervening momentary pulses). The LEDs of all other sensors and modules should either give momentary pulses or be off altogether, depending upon the configuration.

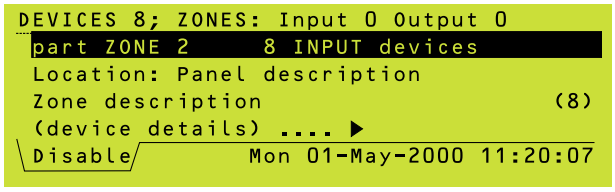
NETWORKED SYSTEMS ONLY, DISABLEMENTS ARE:

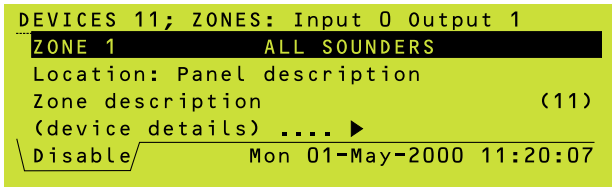
Devices at local panel | Network input zones | Local output zones | Remote panels

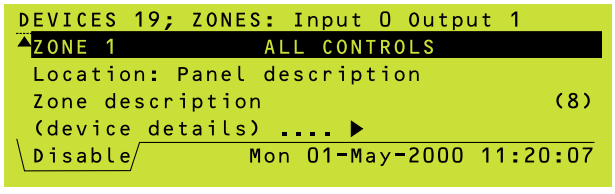
NO OTHER INFORMATION IS SHOWN ABOUT DISABLED DEVICES OR ZONES ON REMOTE PANELS.











5.3.4 Disable Event Display

When a disablement is active, the Disable tab is displayed. Refer to **Section 7** for details of the various types of disablement.

Entire input zone disablements

The number of devices which are disabled and the number of zones for which ALL INPUTS are disabled are shown at the top (the number of zones for which outputs are disabled is also shown; 0 in this case). The figure in brackets indicates how many inputs are disabled in the current zone (in this example, 12 inputs in zone 2). If more than one zone is affected, use ▼ and ▲ to scroll through the zones.

Use ▶ and ◀ to scroll through the inputs; in this case the fifth device out of 12 for this zone. Devices are listed in numeric address order, sensors first, then modules.

Partial zone disablements

The partially-disabled zone is not included in the number of zones that are disabled, as shown at the top. If a remote networked panel has partially-disabled zones, it is included in the 'Remote' number but not in the 'Zones' number.

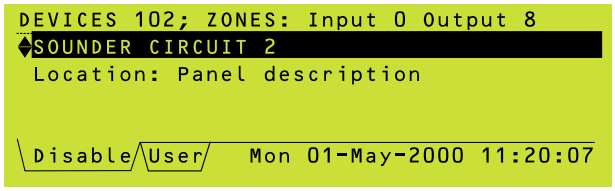
Output zone disablements

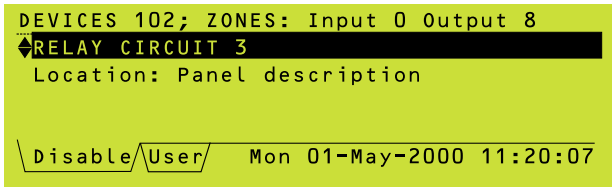
Output zone disablements are either Sounders or Control Outputs.

If a zone has both types of disablement (Sounders AND Control Outputs), the zone is only counted once at the top of the display. The ▲ or ▼ arrow is then displayed on the second line and is used to alternate between the types of disablement.

Input and output disablements on the same zone

The ▲ or ▼ arrows are used to step through the various disablements on the system.





Sounder/relay circuit disablements

Sounder and relay circuits, remote fire outputs, and the fire and fault relays are not allocated to a zone. They are listed at the end of the list of zone disablements (if any).

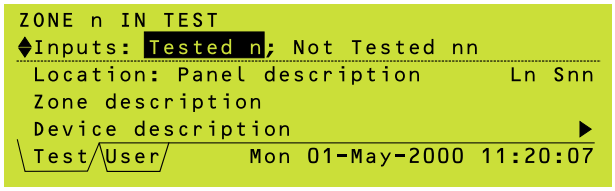
Other DISABLE indications:

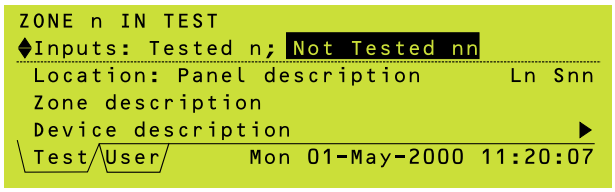
POWER LED (green)	ON
DISABLEMENT LED (amber)	ON
SOUNDER FAULT/DISABLED or FIRE O/P FAULT/DISABLED LED - if appropriate (amber)	ON
ZONE LEDs (if fitted, for zones in which ALL input devices have been disabled - amber)	ON
Other LEDs	OFF
Fault buzzer:	intermittent - one 0.5 sec pulse followed by 11.5 sec OFF

Circuits controlled internally and control modules perform their programmed function.

5.3.5 Test Event Display

The Test tab is displayed either when a zone walk test is in progress or when a Daily or Weekly automatic test is in progress. Automatic tests cannot occur while a walk test is in progress, and vice versa. Only one zone can be in walk test at any one time.



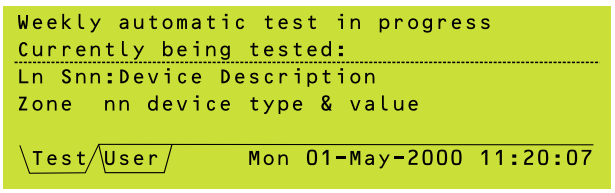


Zone walk test

When a device is tested it automatically becomes the device selected for display. You can also use the ▲ and ▼ arrows to scroll through the devices (by address). For the currently-displayed device, either 'Tested' or 'Not Tested' is highlighted, depending upon whether the device has been activated (e.g. with a smoke or magnet test) or not.

For the currently-selected device, use the ▶ and ◀ arrows to scroll through the device description.

If the zone in test is on a remote networked panel, only the zone number and panel name are displayed.



Automatic test

This display is automatically provided when the panel undergoes an automatic test (the panel may be configured to do this either daily or weekly, but not both).

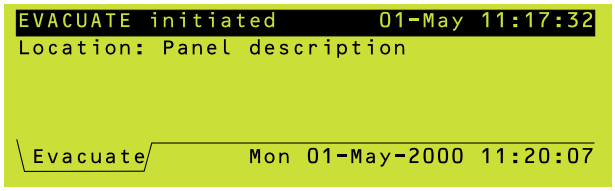
Networked systems - test display is only provided at panel under test. More than one panel may be in automatic test simultaneously.

Other TEST indications:

POWER LED (green)	ON
TEST LED (amber)	ON
ZONE LEDs (if fitted, for zones in test - amber)	ON
Other LEDs	OFF
Internal buzzers, sounder circuits, FIRE, FAULT relays	OFF
Control modules	OFF

The built-in LED indicators on the sensors in the zone in test show 1 second on/1 second off pulses (possibly with intervening short pulses). The LEDs of all other sensors and modules should either give short pulses or be off altogether, as configured.

5.3.6 Evacuate Event Display



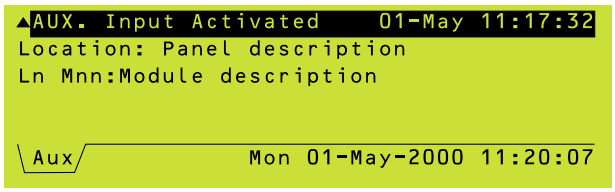
During evacuate, the Evacuate tab is displayed. The Evacuate event display identifies the panel that initiated the Evacuate.

Other EVACUATE indications:

POWER LED (green)	ON
Other LEDs	OFF
Internal buzzers	OFF
Internal sounder circuits (unless otherwise configured)	STEADY
FIRE, FAULT relays	OFF
Control modules	As configured

The built-in LED indicators of active control modules (those for which the control output is ON) will be OFF. The LEDs of all other sensors and modules should either give momentary pulses or be off altogether, as configured.

5.3.7 Auxiliary Event Display

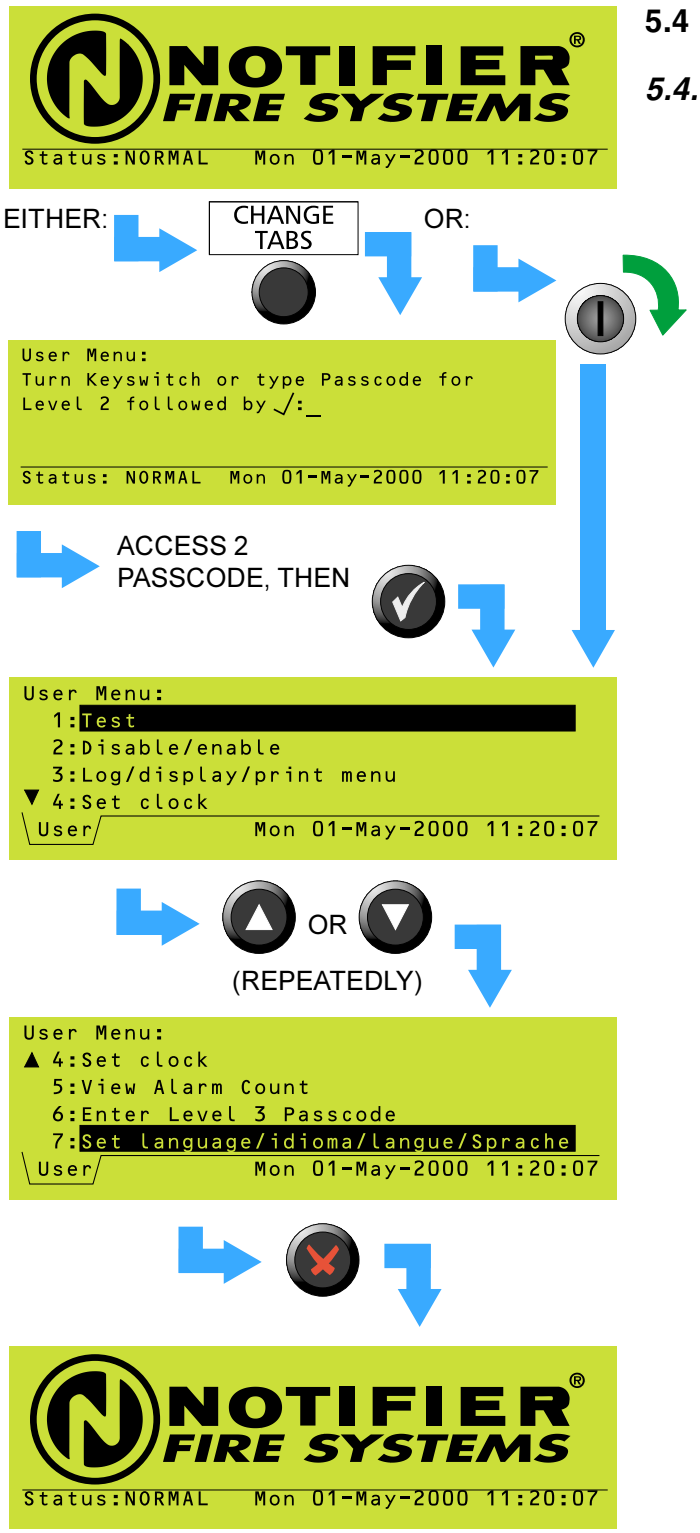


The Aux tab indicates activations of non-alarm non-latching inputs (i.e. modules of logical type AUX). Activations are listed in chronological order; use the ▲ and ▼ arrows to step through them. The tab is removed when the last AUX input is de-activated.

Note: If the AUX module is configured for indication, the heading 'AUX. Input' becomes 'INDICATION'.

5.4 Menu Displays

5.4.1 To Display the User Menu



To display the User Menu when the system status is Normal, either press CHANGE TABS and enter the access 2 passcode, or operate the keyswitch.

Note: If event tabs are displayed, CHANGE TABS first displays these sequentially, then when the last of these has been displayed the passcode prompt is displayed.

Note: If no further pushbuttons are pressed the Status: NORMAL display is re-displayed after 2 minutes.

The User tab is displayed with the menu.

Only the first four options of the User Menu are displayed at this time. The selected option is highlighted. Use the ▲ and ▼ keys to scroll through the other options.

Use the ✕ key to return to the Status: NORMAL display.

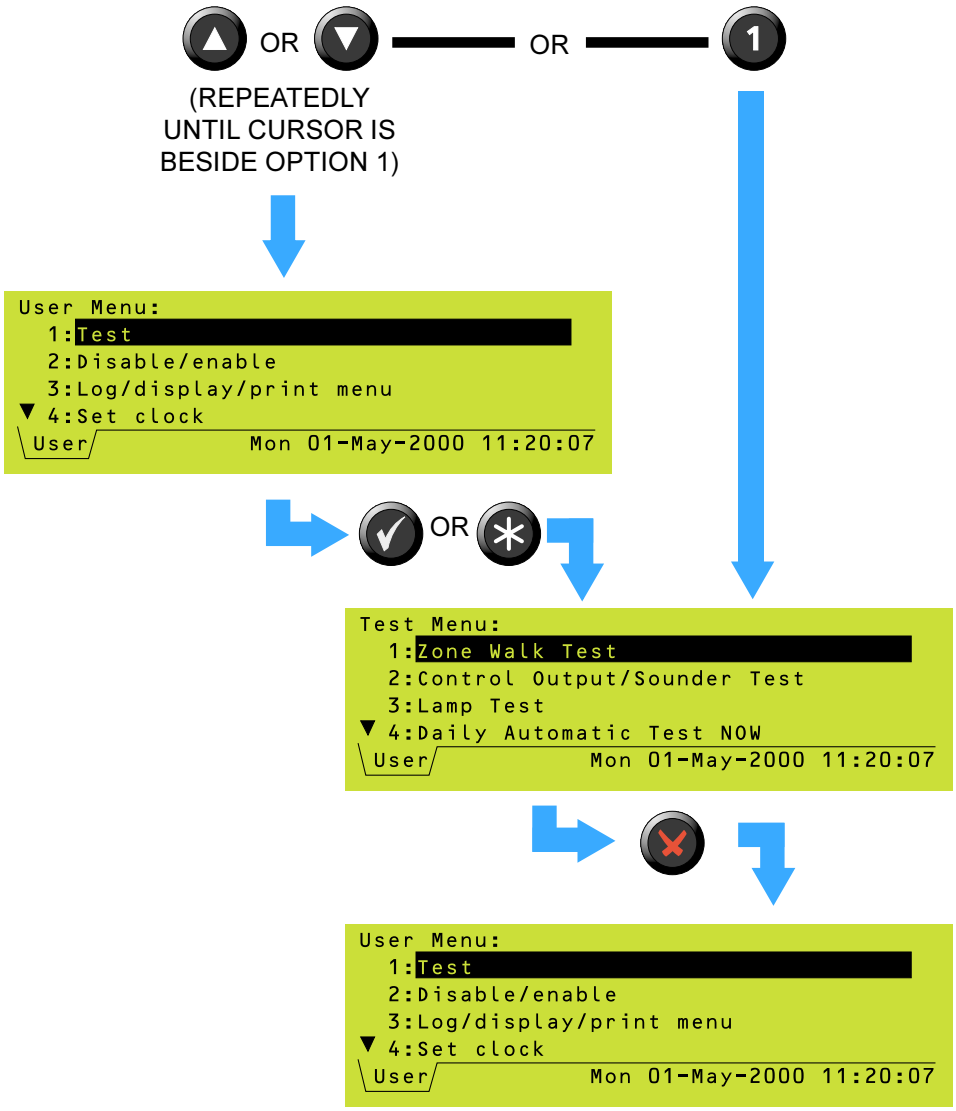
5.4.2 To Navigate Through the Menus

In this example it is desired to display the Test Menu, which is option 1 on the User Menu.

With the User Menu displayed, press 1 to go to the Test Menu directly (1 corresponds to its option number on the User Menu).

Alternatively, highlight option 1 on the User Menu and then select the option by pressing ✓ or ✱.

Press the ✗ key to exit from the menu.

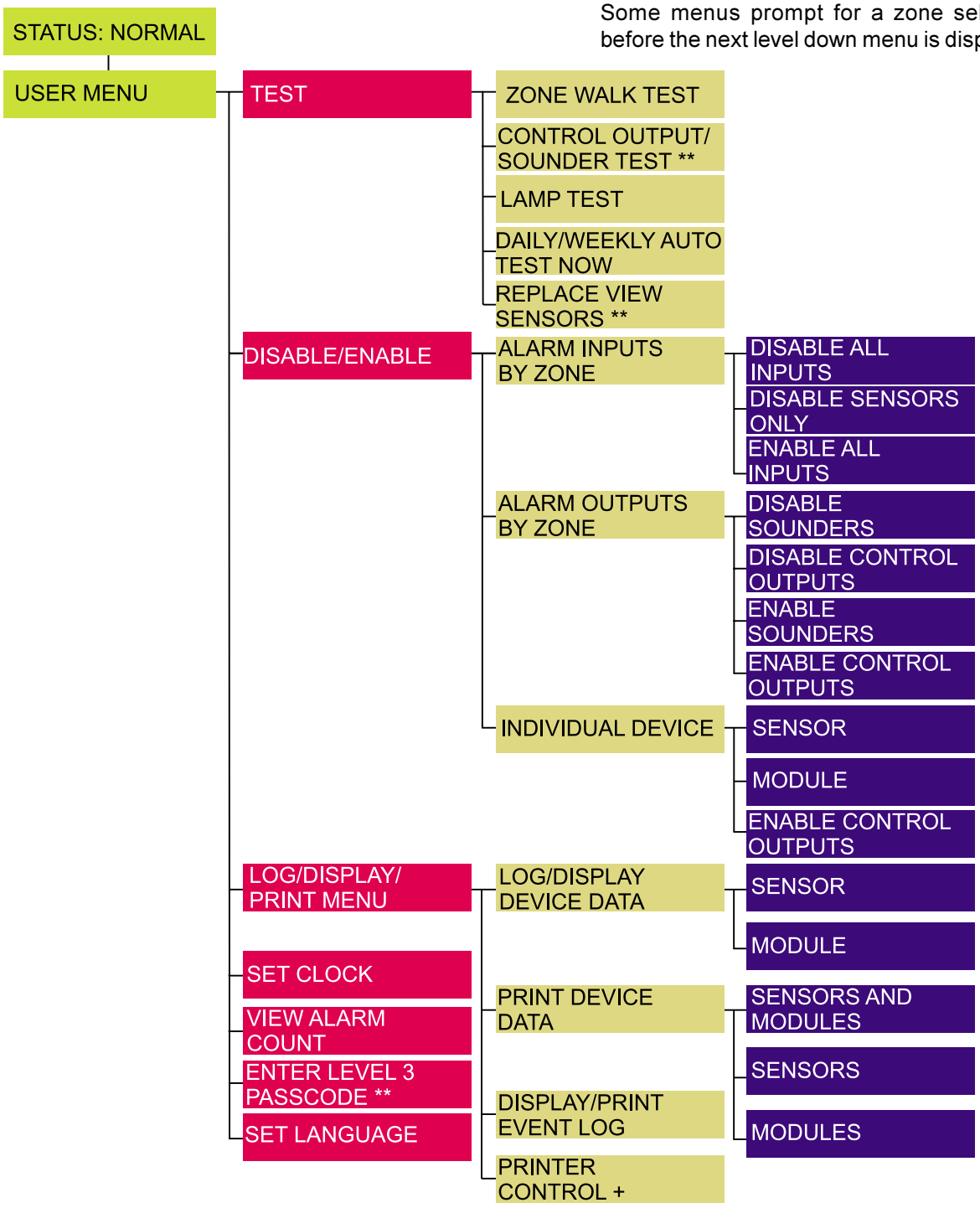


5.4.3 Menu Structure

Note: ** Selecting this menu option displays a prompt for an access 3 passcode, thus the option is not available to the operator (its use by configuration personnel is described in the ID3000 Series Panel Configuration Manual 997-276-XXX). Some additional menu options are available at access level 3 only and are not shown below.

+Only available if a PRN2000 or P40 printer is configured.

Some menus prompt for a zone selection before the next level down menu is displayed.



6 Test Menu

6.1 Introduction

The test menu has options which allow you to:

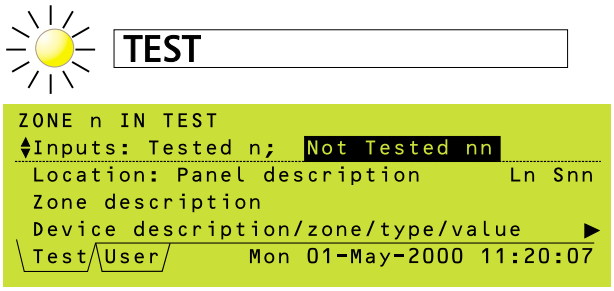
a. Perform a zone walk test (see **Section 6.2**).

b. Perform an individual control output test (see **Section 6.3**).

c. Perform a lamp test (see **Section 6.4**).

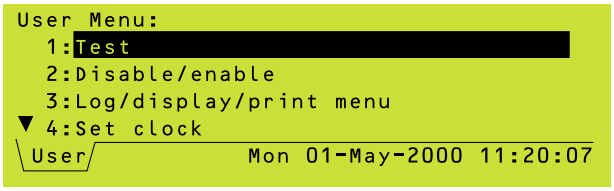
d. Perform a daily or weekly automatic test on sensors (see **Section 6.5**).

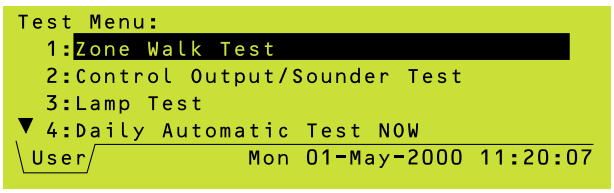
e. Recalibrate a VIEW sensor (see **Section 6.6**).

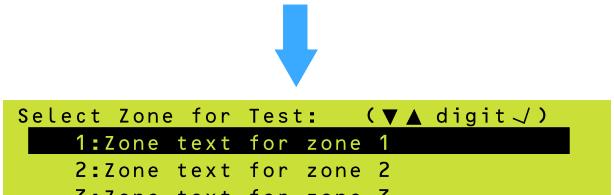


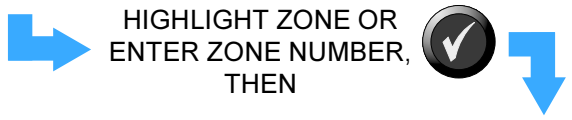
6.1.1 Indications

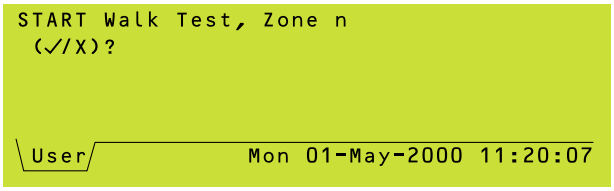
When a test is in progress, the TEST lamp and ZONE lamp (if appropriate) illuminate and a TEST tab is added to the LCD display.

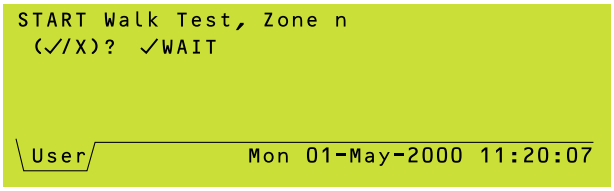




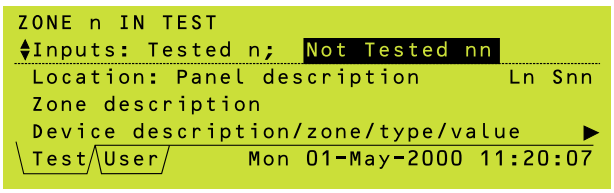








THE ZONE WALK TEST THEN STARTS:



6.2 Zone Walk Test

To start the test:

1 From the Test menu, select Zone Walk Test.

2 Select a zone for test.

NETWORKED PANELS ONLY:

i Select the panel from the displayed list.

ii If the panel is not the local one, no list of zones is displayed. Instead you are prompted to enter the number of the zone you want to test. Use numeric pushbuttons to enter the number, then continue as described below.

3 Press ✓ to confirm that you want to start the test. The panel applies a remote automatic fire simulation control to each of the sensors in the selected zone, and verifies that each sensor responds correctly. This stage of the test lasts a few seconds, during which only failures registered for this test are reported.

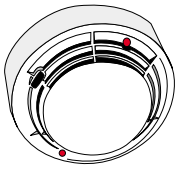
4 While the zone walk test is active (TEST tab shown), you may:

a. Apply Fire conditions to any sensor in the range of zones (either by applying smoke or heat as appropriate, or by operating the sensor's internal test switch by using a magnet).

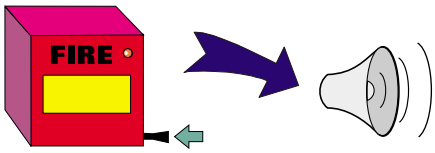
b. Identify the sensors in the zones under test; their Light-Emitting-Diodes (LEDs) illuminate periodically for 1 second pulses (this is in addition to the short-duration flashing due to normal data scanning, if enabled).

c. Test Manual Call Points by using the test key.

Each test operation is logged in the Event History, recorded on the printer (if fitted) and displayed on the LCD. When a device is tested, 'Tested' increments by one and 'Not Tested' decrements by one. Use ▲ and ▼ to select the device to be displayed, and ◀ and ▶ to scroll through the information about that device.



5 SECONDS



TO CANCEL THE TEST, REPEAT THE PROCEDURE USED TO START IT, THEN:

```
CANCEL Walk Test, Zone n
 (✓/X)?


\User/          Mon 01-May-2000 11:20:07
```

The following checks allow certain devices to be easily checked for correct operation:

a. Analogue sensors - observe that the sensor's LED changes to steady ON status, returning to pulsing mode about 5 seconds after the test condition is removed.

b. Manual Call Points - the appropriate sounder outputs are activated (according to the specified test requirements), either for approximately one second, or for as long as the call point test key is left in (depending on configuration). Only the internal sounder circuits and outputs designated as type BELL are involved.

A test may be applied to any point any number of times; test alarms are auto-resetting. Wait at least 5 seconds before re-testing a device.

To end the test before all devices have been tested, re-select the zone. Press ✓ to confirm that you want to stop the test.

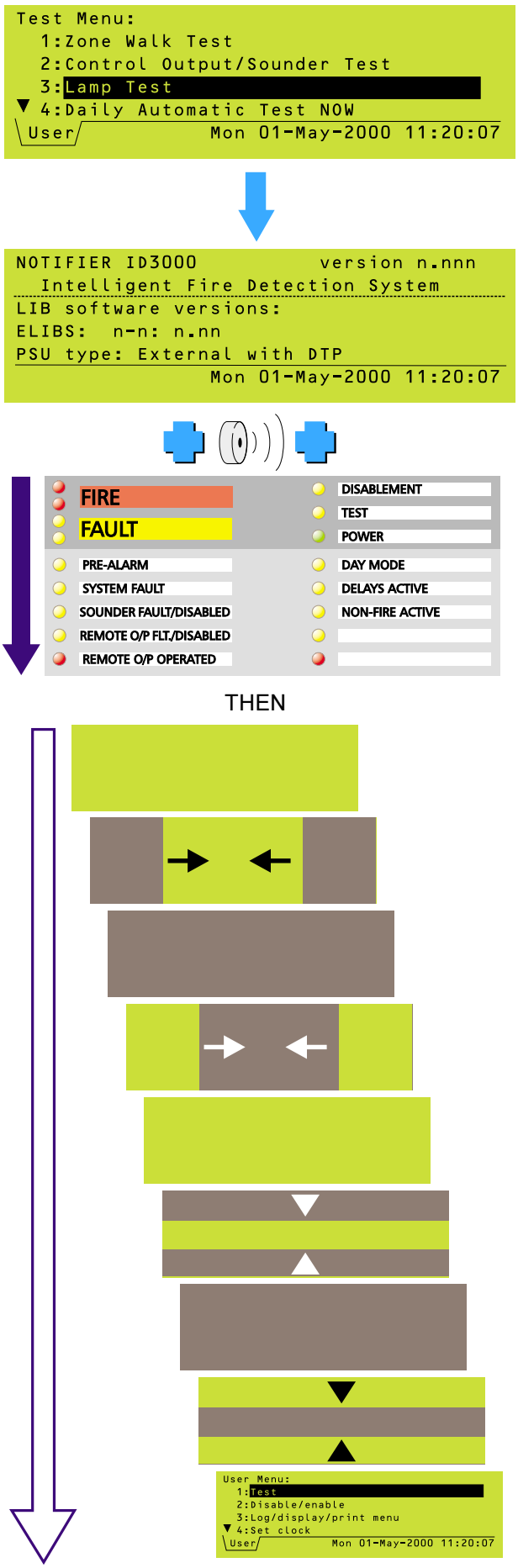
Note: Also see **Section 4.6** for the quick method to cancel a walk test.

6.3 Control Output Tests

This menu option prompts for an access level 3 passcode. It is not available to the operator.

```
Test Menu:
  1:Zone Walk Test
  2:Control Output/Sounder Test
  3:Lamp Test
▼ 4:Daily Automatic Test NOW
\User/          Mon 01-May-2000 11:20:07
```

```
Control Output/Sounder test
Type Passcode for Access Level 3
followed by ✓: ***_


\User/          Mon 01-May-2000 11:20:07
```



6.4 Lamp Test

6.4.1 Lamps Test In Sequence

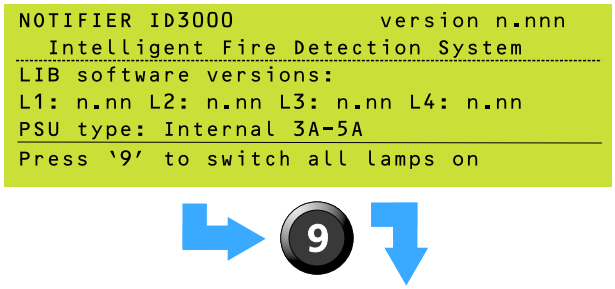
From the Test menu, select Lamp Test. The following sequence occurs:

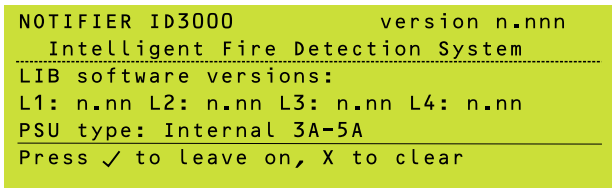
a. The internal buzzer operates (FIRE then FAULT). The product name, software version number and loop board software version number and a description of the PSU are displayed. The lamps illuminate (briefly) in sequence, one row at a time.

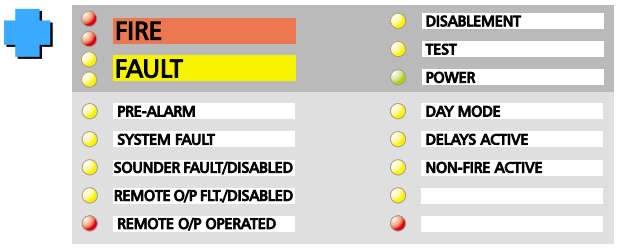
b. The buzzer silences and the LCD displays bars which move from its outer edges to its centre, first horizontally and then vertically, to test that each pixel switches on and off correctly. The lamps are not lit during this part of the test.

Note: If the panel is in alarm, selecting LAMP TEST prompts for the access level 3 passcode. This is because the lamp test duration is longer than the time allowed to suppress the mandatory display of alarms.

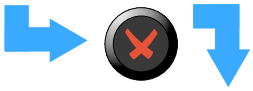
DURING THE FIRST FEW SECONDS OF THE LAMP TEST (SECTION 6.4.1) THE DISPLAY IS:

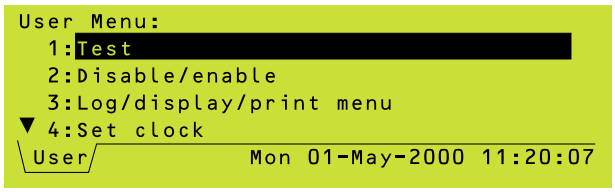






ALL LAMPS REMAIN LIT UNTIL:





6.4.2 *All Lamps Lit*

Note: This test is normally required only for factory set-up of the panel.

To switch all lamps on until cancelled manually, or after a time default:

1 Press 9 while the prompt is shown.

Note: Prompts are only shown for a few seconds.

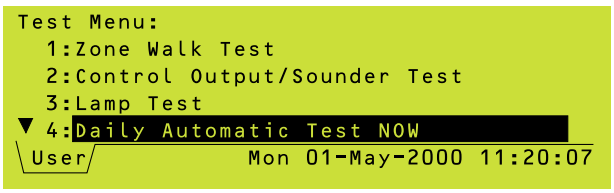
All the lamps light and the buzzer silences.

2 Press ✓ while the prompt is shown. The lamps remain on for 2 minutes, or until ✗ is pressed or the panel is reset. The buzzer operation and LCD display tests do not occur.

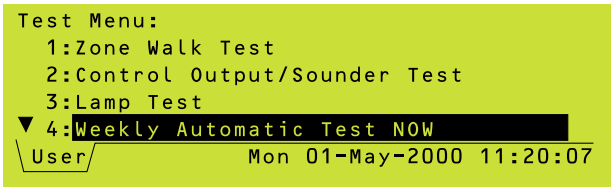
If you press 9 but do not press ✓, the LCD display test proceeds as described in **Section 6.4.1**, the buzzer remains silenced, and the LEDs all light for the duration of the test, then extinguish.

If you press 9 and then ✗, the lamp test exits.

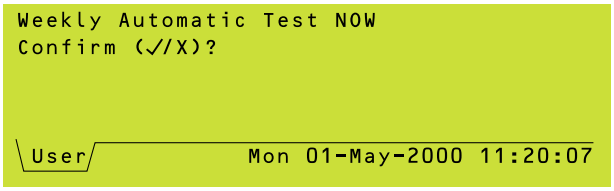
If the system is running on batteries only (i.e. with a Mains/PSU Failure indicated on the LCD), the length of time during which the LCD display is backlit is shortened to extend the battery support time.

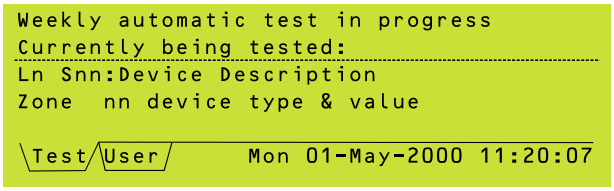


OR



(EXAMPLE ASSUMES 'WEEKLY')





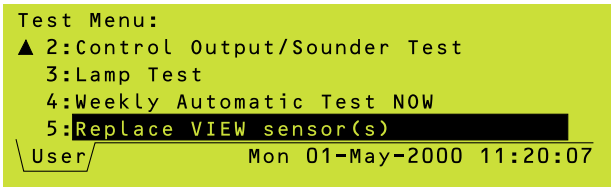
6.5 Sensor Automatic Test

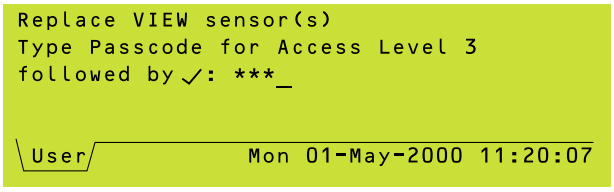
Note: This is a maintenance facility only. If you initiate a zone walk test (as described in **Section 6.2**), or if a FIRE is detected elsewhere in the system, while the automatic test is in progress, that test is automatically cancelled if so configured.

This option is only available if the panel is already configured to perform this test daily or weekly (it cannot be configured with both) at a programmed time of day. The test differs from the normal walk test in that no part of the panel is taken off watch for more than a few seconds, and no operator intervention is normally required unless a fault is detected.

There is normally no need to force the panel to undergo this test ahead of the scheduled time, but if you need to do so then select the configured test from the Test menu.

The Test tab is displayed while the test is in progress. It provides information about the device currently under test.





6.6 Replace VIEW Sensor

This option is only available if there are VIEW sensors installed on the loops. This menu option prompts for an access level 3 passcode. It is not available to the operator.

7 Disable/Enable Menu

7.1 Introduction

It is possible to disable/enable:

a. The inputs for a complete zone (see **Section 7.2**).

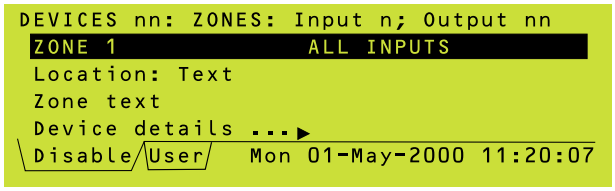
b. The outputs for a complete zone (see **Section 7.3**).

c. An individual device (see **Section 7.4**).

7.1.1 Indications

The following indications are given if a device is disabled:

DISABLEMENT

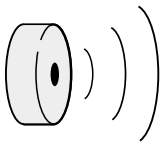


a. The lamp indication [DISABLEMENT lamp and ZONE lamp (if appropriate)] and the presence of a DISABLE tab show whether any devices are disabled on the system as a whole.

SOUNDER FAULT/DISABLED

FIRE O/P FAULT/DISABLED

b. Additional lamp indications are given for sounder and fire output disablements.



c. The fault buzzer sounds intermittently (every 2 minutes or as configured). This mode cannot be completely silenced even by pressing RESET (the condition is latched).

Note: In the case of a Network Master panel, these indications are shown if **any** panel of the network has devices disabled, not just devices attached directly to the Master panel. On the Slave panels, however, the indication of disablement is shown only if devices attached to the panel itself are disabled.

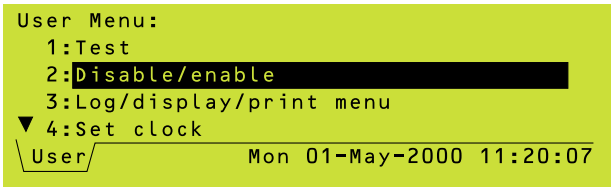
7.2 Disable/Enable Inputs

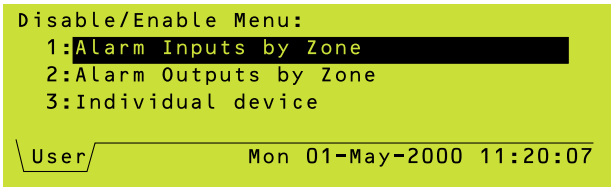
It is possible to:

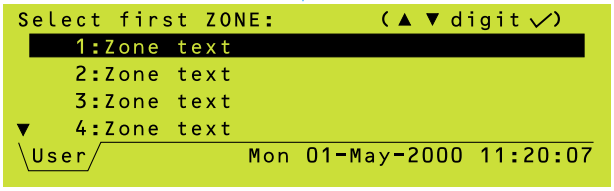
a. Disable or enable all input devices in a zone in one operation.

b. Disable all sensors in a zone in one operation.

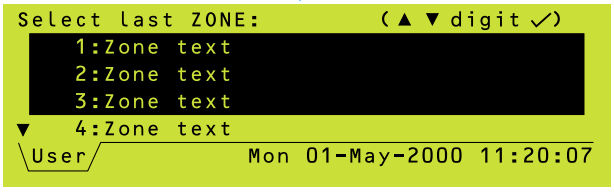
To access these options, first display the Disable/Enable Menu.

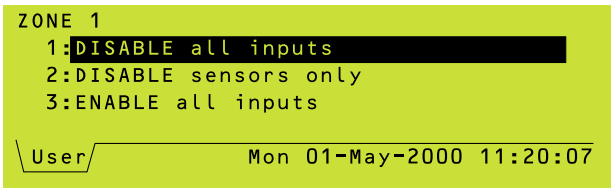




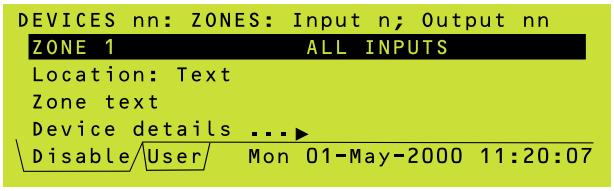


Select the required zone range from the Select first ZONE and Select last ZONE displays. All selected zones are highlighted. If only one zone is required, the first and last zone selections must be identical.





ALL INPUTS ARE DISABLED, DISABLE TAB IS DISPLAYED AND DISABLEMENT LED ILLUMINATES



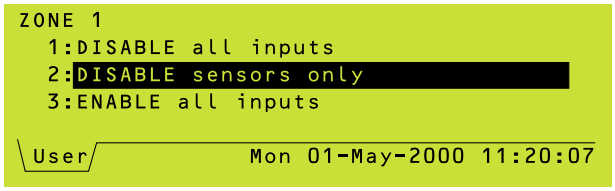
7.2.1 Disable All Input Devices

1 Select the zone as described in **Section 7.2**, then select the Disable All Inputs option.

Note: If a zone contains a mixture of AUX (non-alarm) modules and alarm inputs, only the alarm inputs are disabled. If, however, the zone contains only AUX modules then all the AUX modules are disabled.

2 The Disable tab is displayed. Use CHANGE TABS and then the ◀ and ▶ pushbuttons to display information about the disabled devices.

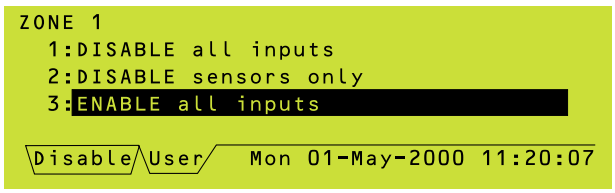
7.2.2 Disable All Sensors



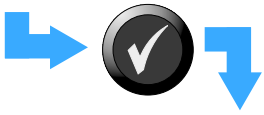
This is identical to the procedure to disable all inputs, but only the sensors are disabled.

ALL SENSORS ARE DISABLED, DISABLE TAB IS DISPLAYED AND DISABLEMENT LED ILLUMINATES

7.2.3 Enable All Input Devices



Select the Enable all inputs option. If there are already any disablements active (i.e. the Disable tab is present and the DISABLEMENT LED is lit), this option is highlighted automatically.



DISABLEMENTS ARE CANCELLED, DISABLE TAB IS REMOVED AND DISABLEMENT LED EXTINGUISHES

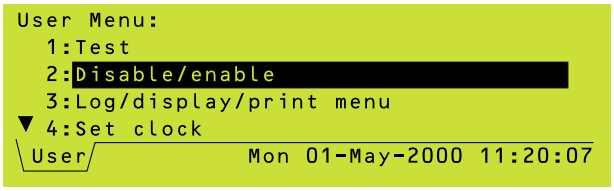
7.3 Disable/Enable Outputs

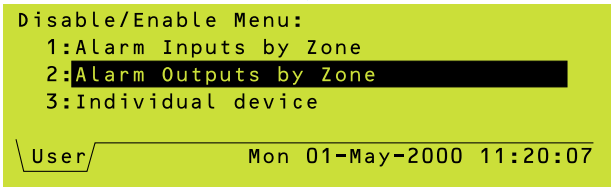
It is possible to:

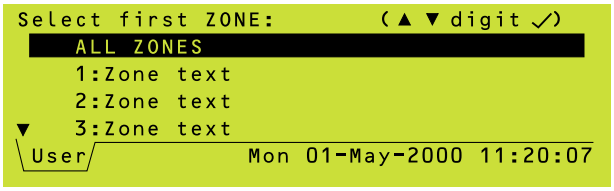
a. Disable or enable all control modules in a zone in one operation.

b. Disable or enable all sounders in a zone in one operation.

To access these options, first display the Disable/Enable Menu.



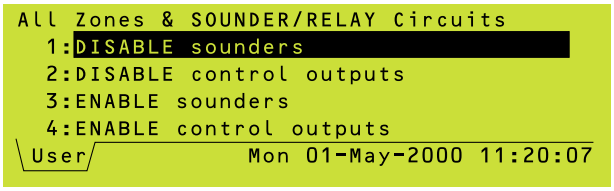




Select the required zone range from the Select first ZONE and Select last ZONE displays, OR select ALL ZONES. If only one zone is required, the first and last zone selections must be identical.

Note: ALL ZONES also selects the internal sounder/relay circuits 1-4.

7.3.1 Disable/Enable All Sounders



1 Select the Disable Sounders option. To disable the sounders, select option 1.

Note: Illustration shows the display when ALL ZONES is selected. If only specific zones are selected, the display shows the current zone(s), e.g. ZONES 1 to 2 on the top line. If ALL ZONES is selected, the internal sounder circuits are included but the internal relay circuits are not included.

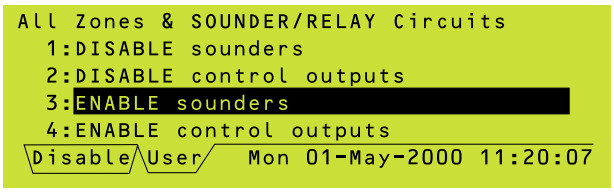
ALL SOUNDERS ARE DISABLED, DISABLE TAB IS DISPLAYED AND DISABLEMENT AND SOUNDER FAULT/ DISABLED LEDS ILLUMINATE

2 Use CHANGE TABS to view details of the disabled devices, as described in **Section 7.2.1**.

3 To enable the sounders, repeat the procedure and select option 3.

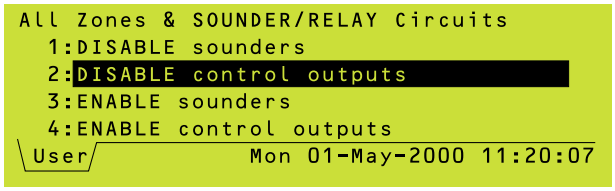
Note: If a sounder is disabled, it does not activate in the event of an Alarm or Evacuate operation, even if the panel configuration specifies that it is required to do so.

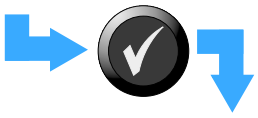
Note: Sounder circuits will not be disabled if they are configured as a Fire output.



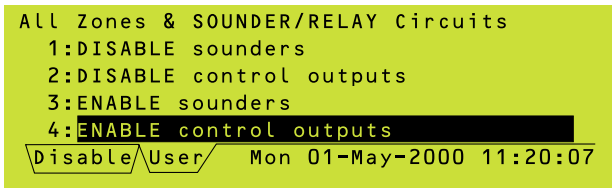
DISABLEMENTS ARE CANCELLED, DISABLE TAB IS REMOVED DISABLEMENT AND SOUNDER FAULT/ DISABLED LEDS EXTINGUISH

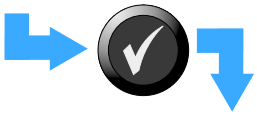
7.3.2 Disable/Enable All Control Outputs





ALL CONTROL OUTPUTS ARE DISABLED,
DISABLE TAB IS DISPLAYED AND
DISABLEMENT LED ILLUMINATES





DISABLEMENTS ARE CANCELLED,
DISABLE TAB IS REMOVED
DISABLEMENT LED EXTINGUISHES

1 Select the Disable Control Outputs option. To disable the outputs, select option 2.

Note: Illustration shows the display when ALL ZONES is selected. If only specific zones are selected, the display shows the current zone(s), e.g. ZONES 1 to 2 on the top line. If ALL ZONES is selected, the internal relay circuits are included but the internal sounder circuits are not included.

2 Use CHANGE TABS to view details of the disabled devices, as described in **Section 7.2.1**.

3 To enable the outputs, repeat the procedure and select option 4.

Note: Relay circuits will not be disabled if they are configured as a Fire output.

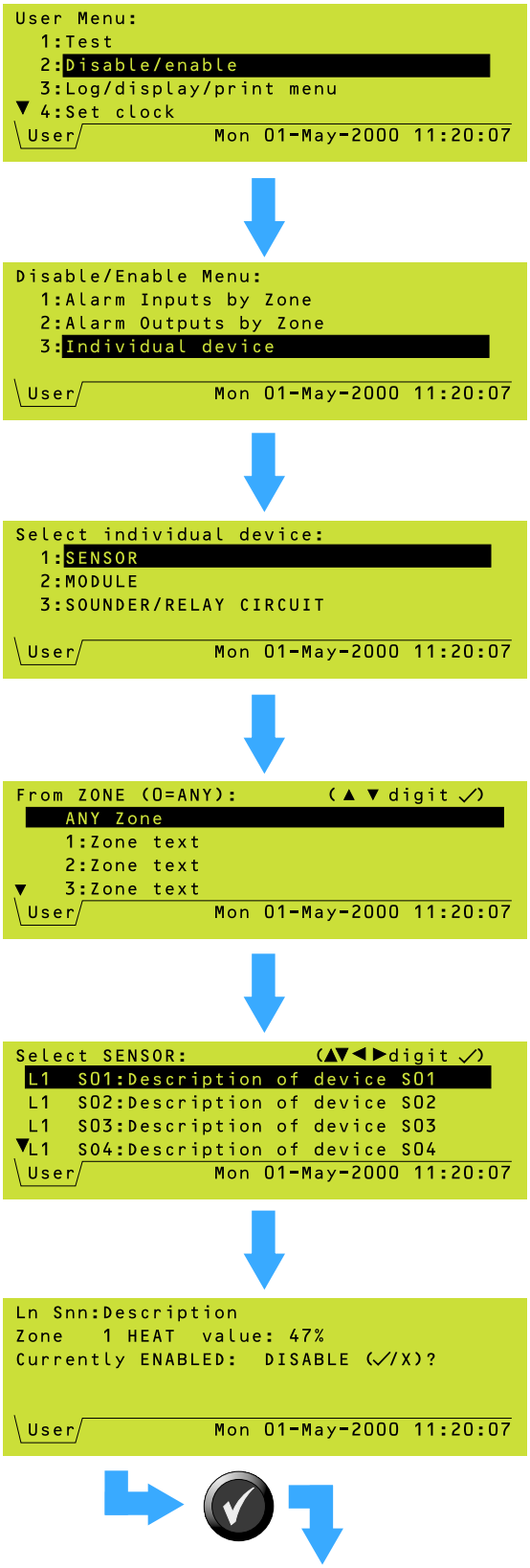
7.4 Individual Device

It is possible to disable a sensor, module or sounder/relay circuit to avoid unwanted operation where exceptional circumstances prevail.

7.4.1 Sensor

The sensor conditions continue to be monitored, but a detected FIRE condition does not lead to Fire Alarm actions being taken. In addition certain FAULTs (in particular device missing and low data reading) do not lead to normal Fault action being taken.

To disable or enable an individual sensor:



SENSOR IS DISABLED,
DISABLE TAB IS DISPLAYED AND
DISABLEMENT LED ILLUMINATES

1 From the Disable/Enable Menu, select the Individual Device option.

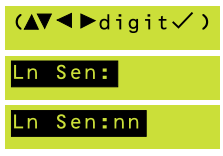
2 Select SENSOR.

3 Select the zone to which the sensor is allocated - gives a list of sensors in the zone (or select ANY Zone to view details of all sensors).

4 Select the required sensor from the displayed list. Either:

a. Move the highlight to the required device, or

b. Use the numeric keys to enter the loop number and then the device number (the device nearest in number to that typed is then highlighted).

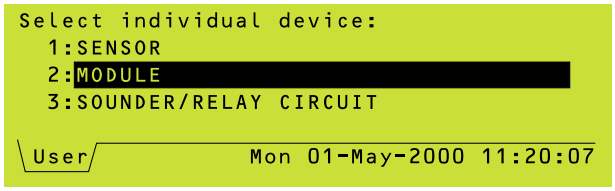


Note: While a device is highlighted, press ▶ to display its type and value (continuously updated). Press ◀ to re-display the device description.

5 If the sensor is currently ENABLED, the option is provided to DISABLE it (see left); if it is currently DISABLED, the option is provided to ENABLE it (see below).

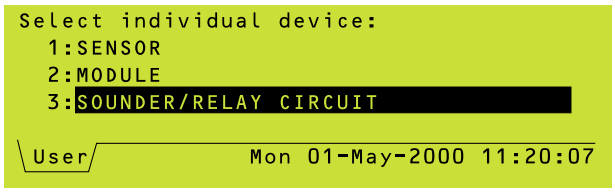
6 While the sensor is disabled, use CHANGE TABS to view details of the disabled device.

7.4.2 Module



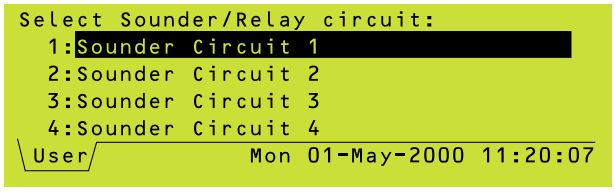
1 This procedure is identical to that described for Sensors (**Section 7.4.1**).

7.4.3 Sounder/Relay Circuit



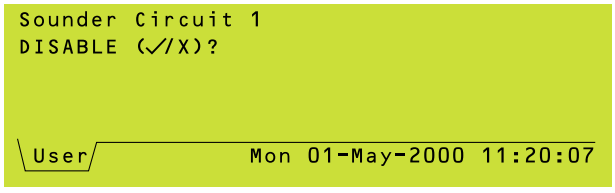
To disable or enable an individual sounder/ relay circuit:

1 From the Individual Device menu, select SOUNDER/RELAY CIRCUIT.

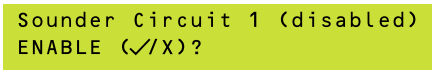


2 Select the required sounder circuit (or relay circuit 3 and/or 4, if the panel is so configured internally).

Note: If any of the Sounder/Relay Circuits are configured as Remote Fire Outputs they will be described as such and can be disabled or enabled. This menu also allows the fire and fault relays to be disabled or enabled.



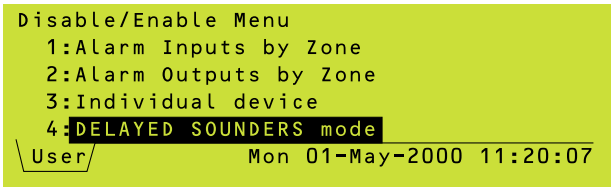
3 If the circuit is currently ENABLED, the option is provided to DISABLE it (see left); if it is currently DISABLED, the option is provided to ENABLE it (see below).



SOUNDER IS DISABLED,
DISABLE TAB IS DISPLAYED,
DISABLEMENT AND SOUNDER
FAULT/DISABLED LEDS ILLUMINATE

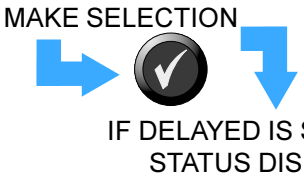
4 While the circuit is disabled, use CHANGE TABS to view details of the disabled circuit.

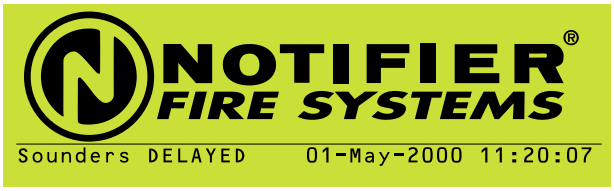
7.5 Delayed Sounders Mode



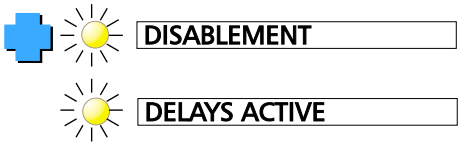
If the panel has been configured with sounder delays (Section 7.6.2.2 of the ID3000 Series Panel Configuration Manual), an additional option is displayed on the Disable/Enable menu.

Select whether sounders are to operate immediately upon alarm, or whether they are to operate after their configured delay.





This display only occurs when there are no tabs present.



7.6 Network Disable and Enable

This additional information applies only if the panel is part of a network. It describes how to:

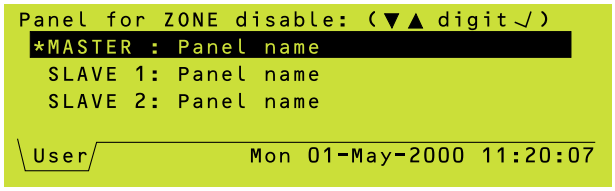
a Disable/enable a complete input zone on a different panel on the network.

b Disable/enable a specified device on a different panel on the network.

7.6.1 Input Zone

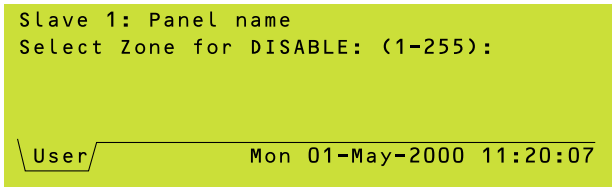
To disable or enable an input zone on the network, first select 'Alarm Inputs by Zone' (see **Section 7.2**), then:

TO DISABLE AN INPUT ZONE AT ANOTHER PANEL:
SELECT THE PANEL



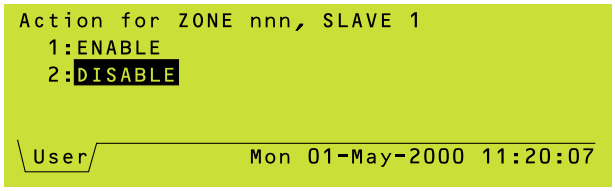
1 Select the panel. The * and initial cursor position indicate the local panel. The * remains fixed in position, the cursor is movable.

SELECT THE ZONE



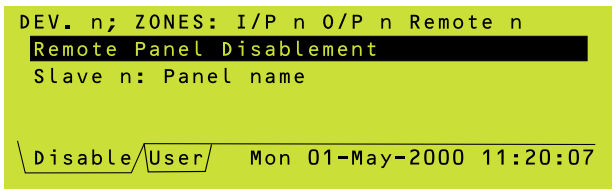
2 Select the zone (in this example the zone is at the Slave 1 panel). This is a numeric entry.

SELECT ENABLE OR DISABLE



3 Either ENABLE or DISABLE the selected zone. A WAIT message is displayed while the selection is transmitted over the network.

IF DISABLE SELECTED

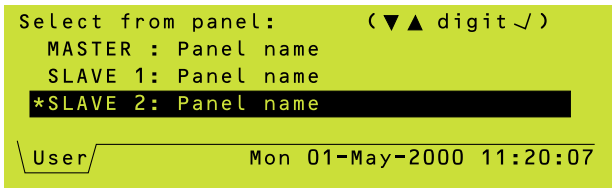


The Remote Panel Disablement display is then shown.

7.6.2 Device

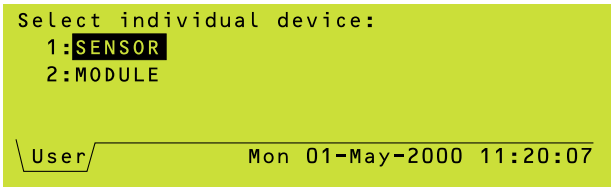
To disable or enable an individual device on the network:

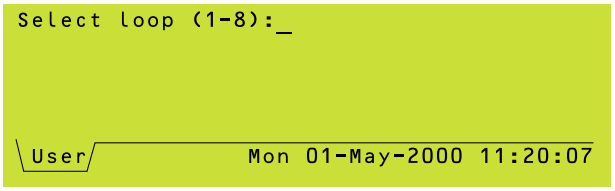
TO DISABLE A DEVICE AT ANOTHER PANEL: SELECT THE PANEL

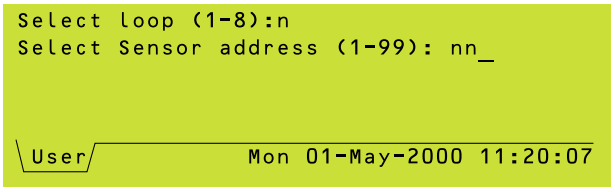


1 Select the panel.

SELECT THE TYPE OF DEVICE, THE LOOP IT IS ON, AND ITS ADDRESS ON THE LOOP

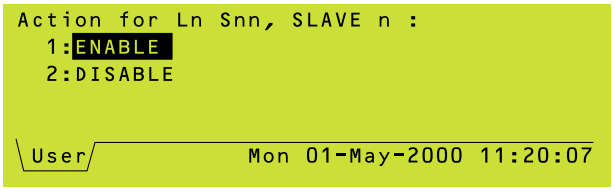






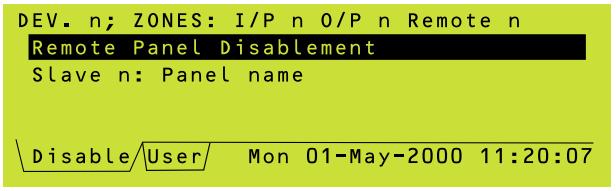
2 Select the device. When selecting a device over the network it is not possible to scroll through a list of device; you must enter the loop number and address when prompted. You cannot select remote sounder or relay circuits.

SELECT ENABLE OR DISABLE



3 Either ENABLE or DISABLE the selected device.

IF DISABLE SELECTED



The Remote Panel Disablement display is then shown.

7.7 Disable/Enable via Remote Switch

This function is only available if a remote switch is connected to a loop module which has been configured as an AUXILIARY type input, and this has been linked to a DISABLE operation on a particular zone or zones. See the ID3000 Series Panel Configuration Manual (997-276-XXX) for details on how to configure this option.

The function enables the use of a remotely-placed switch to disable and enable all sensors, or all inputs, or all inputs and outputs (depending upon the panel configuration) without the need for access to the panel. Control of individual devices is not possible by this means.

Operate the switch as indicated to disable inputs/outputs according to the pre-configured set-up. If the switch contains, or is adjacent to, an indicator lamp, this should light up when the disable operation has been completed. Release the switch to restore the inputs/ outputs to normal.

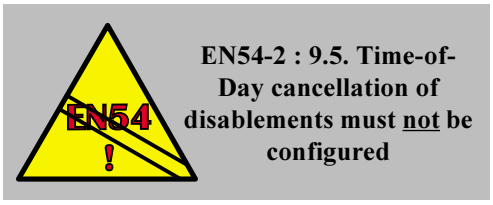
7.8 Time-of-Day Control and Override

Using the time-of-day function, input devices can be disabled and enabled as part of the panel configuration set up.

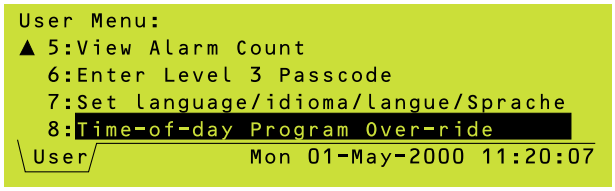
There is normally no time-out for disabled devices; the disablement is effectively permanent until cancelled by a subsequent enablement operation. Some systems, however, may be configured so that disablements are automatically cancelled after a set time-out or at certain times of the day (non-EN54 compliant). This is set up during panel configuration - refer to Sections 7.7, 9 and 11.2.6 of the ID3000 Series Panel Configuration Manual (997-276-XXX).

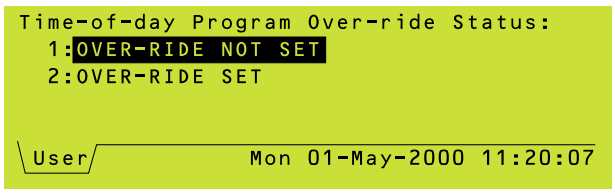
Note: You cannot have different zones set to different time-of-day schedules.

If time-of-day control has been configured for disablements (or for other panel functions, e.g. sensor sensitivity), an additional option - 'Time-of-day Program Over-ride' is available on the User menu. To override the time-of-day control, select the 'OVER-RIDE SET' option - the panel behaviour reverts to that outside of the current time period. OVER-RIDE NOT SET re-instates the current period's behaviour.

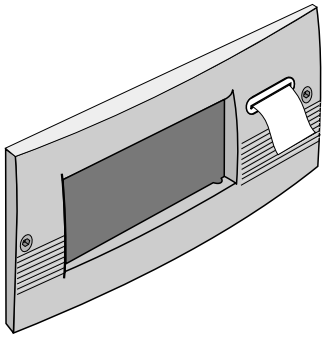


TO OVER-RIDE A TIME OF DAY PROGRAM:





MAKE SELECTION



8 Log/Display/Print Menu

8.1 Introduction

The Display/Log/Print Menu provides the following options:

a. Display and or logging of device data (see **Section 8.2**).

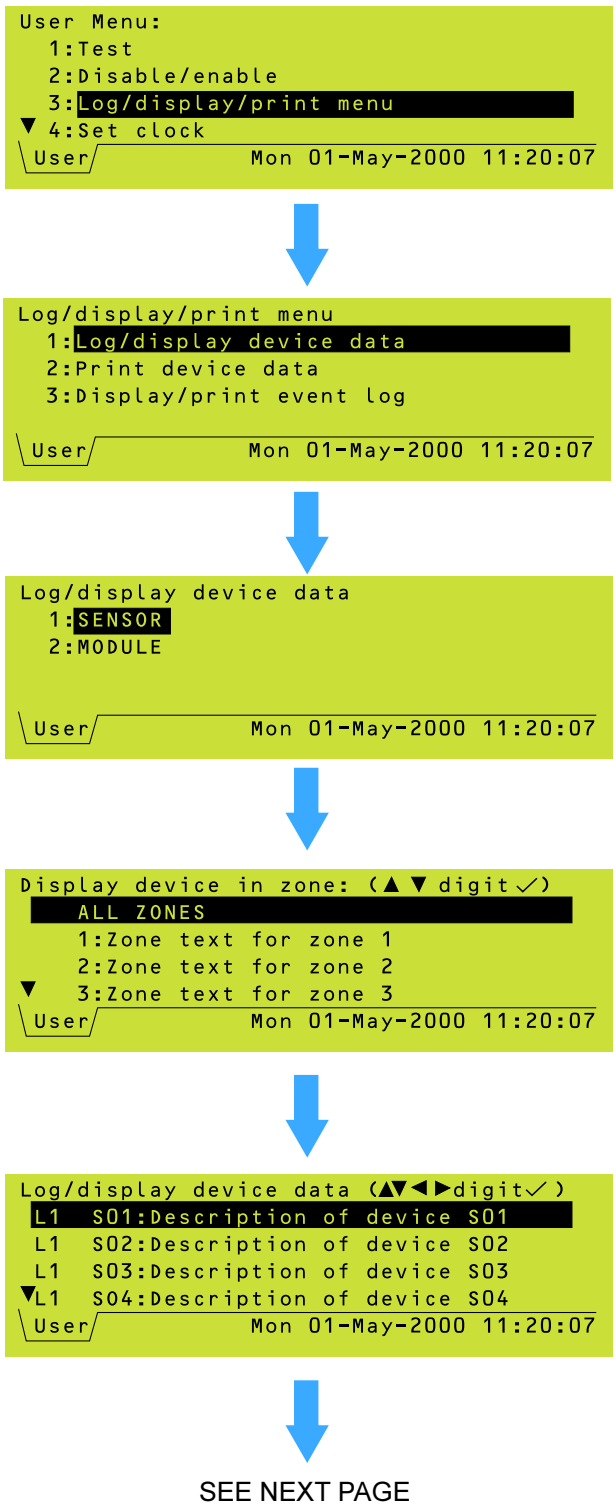
b. Printing of device data (see **Section 8.3**).

c. Display and reprint of the event log (see **Section 8.4**).

d. Control of the printer mode, if a PRN2000 or P40 40-column printer is configured (see **Section 8.5**).

All printing options only work if a printer is installed.

8.2 Log/Display Device Data



SEE NEXT PAGE

Use this function to continuously monitor the data value returned by a sensor or input module. Values are shown as a percentage, scaled so that a sensor's nominal FIRE threshold reading is 100% (i.e. if the reading is 100% or above the sensor is in FIRE condition; if it is below 100% it is not). VIEW sensors operate differently and their displayed values are approximate; for most sensitivity settings VIEW will be in a FIRE condition at a lower percentage than 100%.

Note: These values are scaled up from an internal digital value, therefore some 'gaps' may appear in the scaling where the reading appears to jump by 2%.

Also use this function to set the sensor's LED indicator into 'pulsing' mode, and to set up a memory log of its data readout. See below for details.

To display and/or log device data:

1 From Log/display/print menu, select the Log/display device data option.

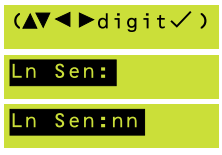
2 Select the type of device you want to inspect. If after examining Sensors you want to examine Modules, you must cancel the current operation and then re-enter it.

3 If known, select the zone containing the device you wish to log (the subsequent device list will be shorter), otherwise select ALL ZONES.

4 Either:

a. Move the highlight to the required device, or

b. Use the numeric keys to enter the loop number and then the device number (the device nearest in number to that typed is then highlighted).

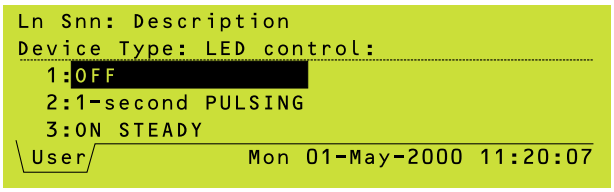


Note: While a device is highlighted, press ▶ to display its type, value (continuously updated) and whether or not it is already set up to be logged (if so, 'logged' is displayed). Press ◀ to re-display the device description.

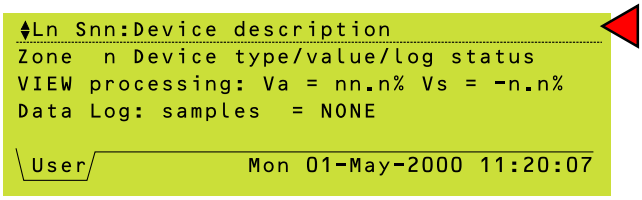
Note: Configured devices which are not responding will show a value of 0%.

FROM PREVIOUS PAGE

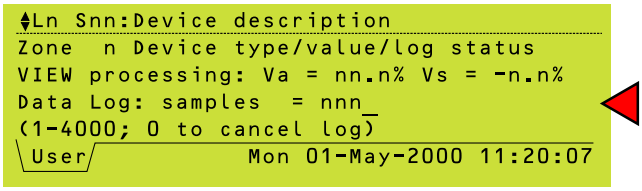
(SENSORS AND INPUT MODULES ONLY)



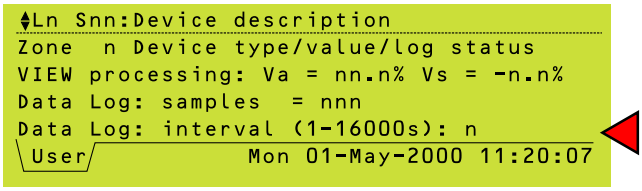
(SENSORS ONLY - SELECT OPTION, THEN)

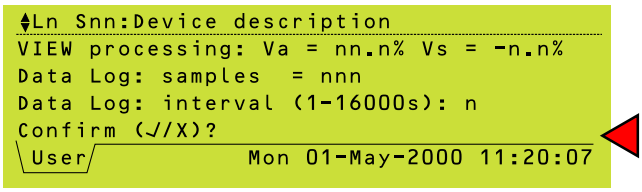


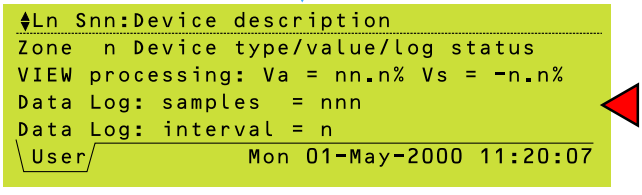
NUMERIC ENTRY



+ NUMERIC ENTRY







Note: If an alarm condition exists, the following displays are not available below access level 3 because there is insufficient space on the display.

5 For sensors and input modules, you can select the LED mode. OFF means either not-illuminated or 'blinking', if the panel is configured to do this in normal polling. Select the other options to enable a device to be easily identified.

For analogue sensors only, the data reading from the device can be stored in a data log at regular time-intervals (intended for use with the ID3000 Series support tool which runs on an IBM-compatible PC):

6 Use ▲ and ▼ to step between different sensors in the selected zone. The analogue data and VIEW processing data are constantly updated (VIEW data is only present if the device is a VIEW sensor. Va is an average used for drift compensation and is normally approx. 25% - at the limits 5%-35% the sensor is in a fault condition. Vs indicates the sensor alarm condition, corrected for drift compensation).

7 To set up a log, enter the number of data values (i.e. samples) to be stored (up to 4000 if no other sensors are currently being logged, otherwise may be less). You must use the numeric pushbuttons to do this; if you press the ◀, ▶, ✱ or ✓ pushbuttons the panel displays the message 'Press a digit to amend log'.

Note: Up to 28 sensors may be logged simultaneously, with a combined total of up to 4000 values stored at a time. When the log is full, logging continues for each sensor with the oldest data being over-written.

8 Enter the required recording interval; a whole number of seconds, in the permitted range 1 to 16,000 (just under four and a half hours).

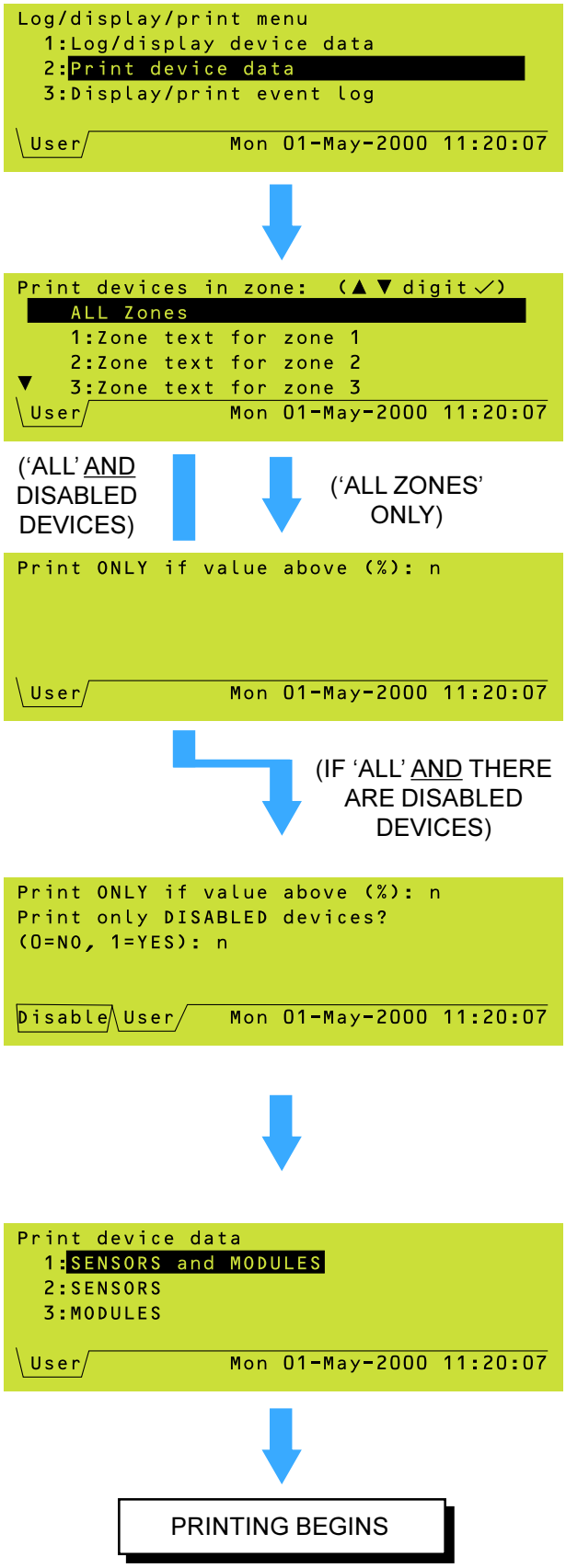
9 Confirm the entries.

10 The data log is then displayed. To cancel logging for the current device, enter 0 samples and then confirm the cancellation.

8.3 Print Current Device Data

Use this option to obtain a complete or partial printout of all the devices on the system, including current readings and status.

To obtain a printout:



1 From the Log/display/print menu, select the Print Device Data option.

2 Select the required zone or ALL ZONES.

3 If ALL ZONES is chosen, select whether selective printing of only those devices with an unusually high reading is required. Either key in the desired minimum value (expressed as a percentage) followed by ✓, or press just ✓ to select the default of ALL values. In normal conditions values should be below 60%.

Note: It is not possible to print out selectively both by specific zone and by specific value threshold.

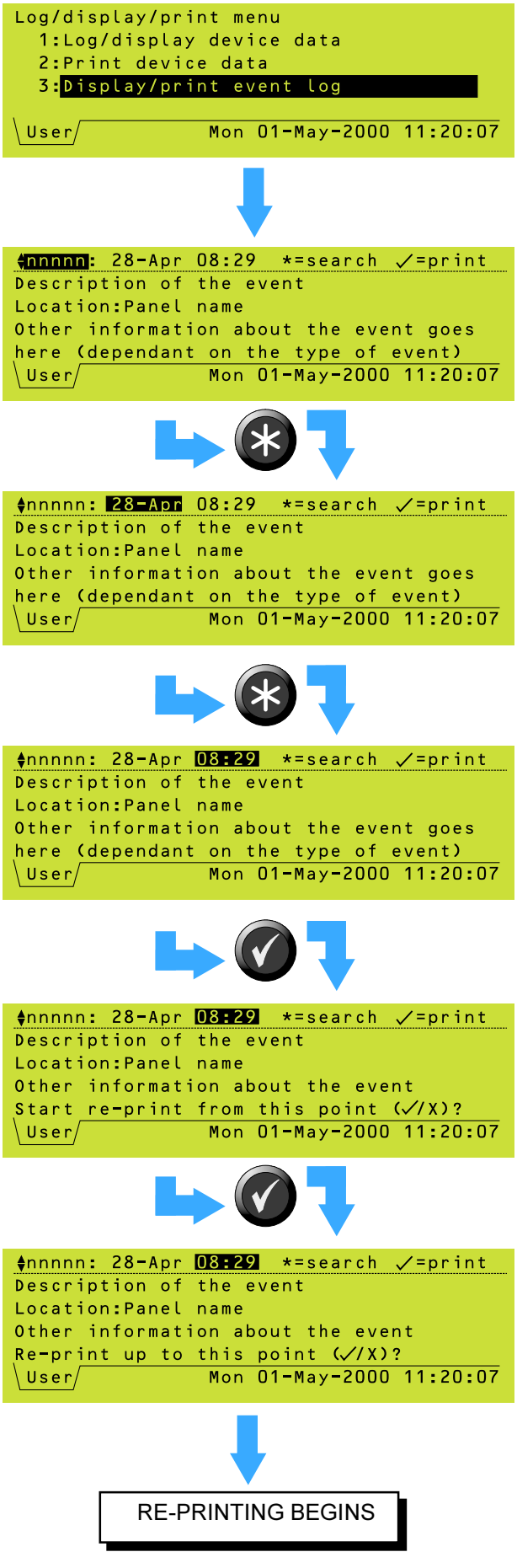
4 If you select the default of ALL values, you can select whether only disabled devices are to be printed. If you select yes and the panel is the Master Panel on a Network system, any disabled devices connected to the Slave panels are also printed (this is the only case in which a list of devices at another panel can be obtained). The printout will list, in addition to configuration details about each device and its current reading, indications of any device that is disabled and any device that is MISSING (i.e. registering a NO-REPLY fault).

5 For all cases (i.e. whether or not steps 3 and 4 applied), select the type(s) of device to be printed.

To abort the printout, press ✗.

Note: The printout will also be aborted if any new alarm occurs in the meantime.

8.4 Display/Re-print Event Log



This is a means of examining the most recent past history of events on the system, up to the maximum recording depth of 600 events (once this capacity is reached, new events over-write the earliest events).

To display and print the event log:

1 From the Log/display/print menu, select the Display/print event log option. The event number (range 00000 to 65536) is highlighted by default, and the most recent event is shown. Use ▲ and ▼ to scroll through the events in sequence, backwards and forwards in time respectively.

2 To scroll through the events by date, press * to highlight the date field and then proceed as described for event number. The first event on that date is shown. Dates on which no events occurred are skipped. The earliest date is that of the oldest event still recorded in the log (as the log becomes filled the oldest events are over-written).

3 To scroll through the events by time, press * to highlight the time field and then proceed as described for event number. You step approximately one hour at a time; hours in which no events occurred are skipped. Press * again to re-highlight the event number. Steps 1 to 3 can be repeated as many times as required.

4 Events are printed out at time of occurrence (unless the printer is disabled) as described in **Section 8.3**. You can re-print a selection of all recorded events spanning any time period. Display the first event you wish to re-print and confirm the selection.

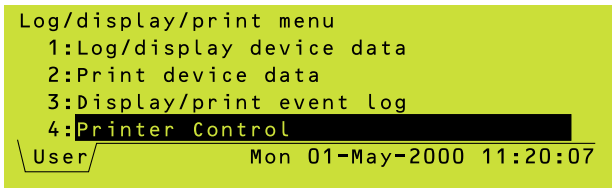
5 Display the last event you wish to re-print and confirm the selection. If you press ✓ twice without changing anything, a single event is printed.

Note: When any portion of the event history is re-printed, the original sequence numbers of the re-printed events are also reproduced. This enables you to determine where the re-printed data ends and 'live' event logging re-commences.

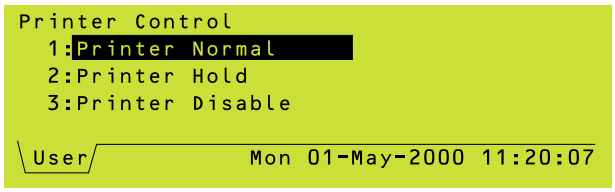
8.5 Printer Control Modes

This display is only available if a PRN2000 or P40 40-column printer is configured.

To set the mode:



1 From the Log/display/print menu, select the Printer Control option.



2 Select the required printer control mode:

a. Normal. This mode is always selected by default when the panel is powered up.

b. Hold. The printout data is held in memory but not printed.

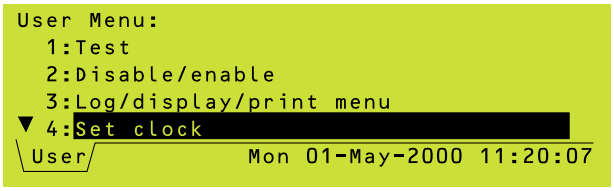
c. Disable. The printout data is discarded.

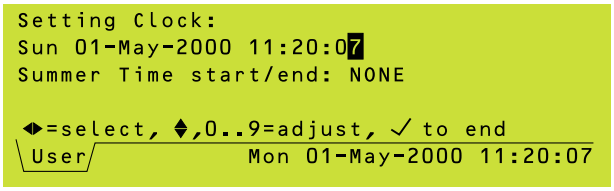
All three modes are latched until either they are changed by the user or the panel goes through a power-up sequence.

8.5.1 Mains Failure

During panel mains failures, the printer status is equivalent to being in 'Hold' mode. However, if the printer is manually set to 'Hold', it does not revert to normal when the mains is restored.

9 Setting the Clock





Use this menu option after any Time Zone change, e.g. start/end of British Summer Time (if not configured for auto-adjust), and after the system has been fully powered-off (in the latter case the system will start-up at midnight on the last date on which it had been operating, or at the time when the clock was last reset, whichever was the later).

To set the clock:

1 Display the Setting Clock screen. The clock display will be 'frozen', with the last digit of the seconds field highlighted.

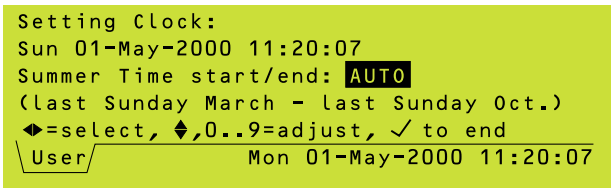
2 To adjust the date and time, use the ◀ and ▶ pushbuttons to move the cursor over the field to be changed. Use the ▲ and ▼ pushbuttons to adjust the value of the field to give the current date and time.

Note: The date, time and last two digits of the year can also be entered directly using the numeric pushbuttons.

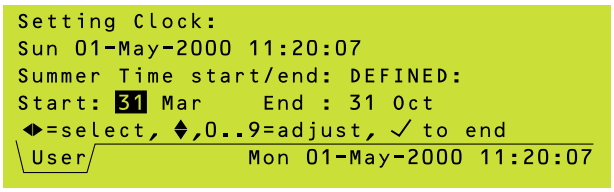
3 Summer Time - select one of the following:

a. NONE. Time changes must be set manually.

b. AUTO. Time changes automatically at 2am on the days indicated on the screen.



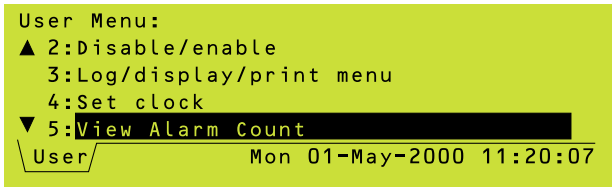
c. DEFINED. Time changes automatically at 2am on user-defined dates. Valid only for the current year (after which the system resets to NONE).

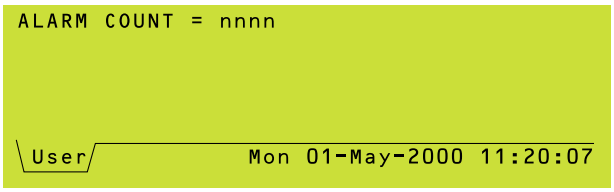


4 After all fields have been adjusted correctly, press ✓ to start the clock running at the precise time shown, or press ✗ to cancel the whole operation and return to the previous clock setting.

10 Other User Menu Options

10.1 Alarm Count



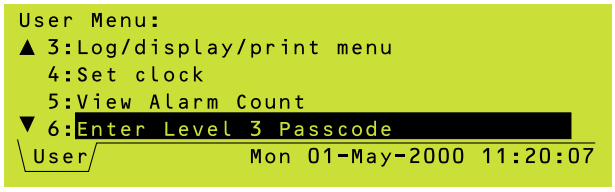


This function displays the number of times that the panel has entered the alarm condition (may not be the same as the total number of alarm events recorded).

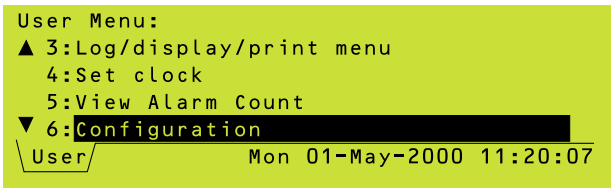
The User menu is re-displayed after a few seconds.

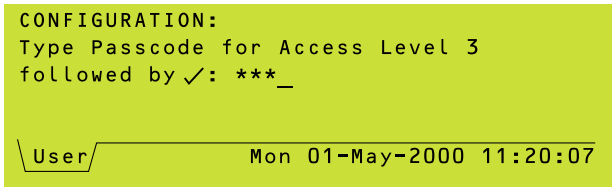
10.2 Enter Level 3 Passcode/Configuration

IF AT ACCESS 2 VIA THE KEYSWITCH:



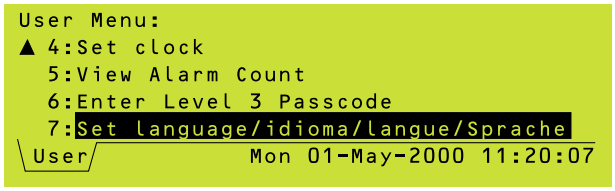
OR IF AT ACCESS 2 VIA THE NUMERIC KEYS:

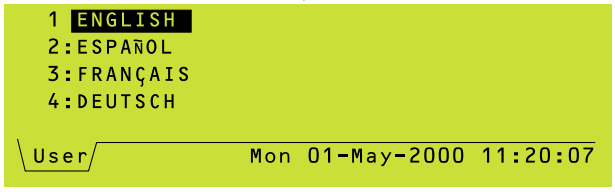




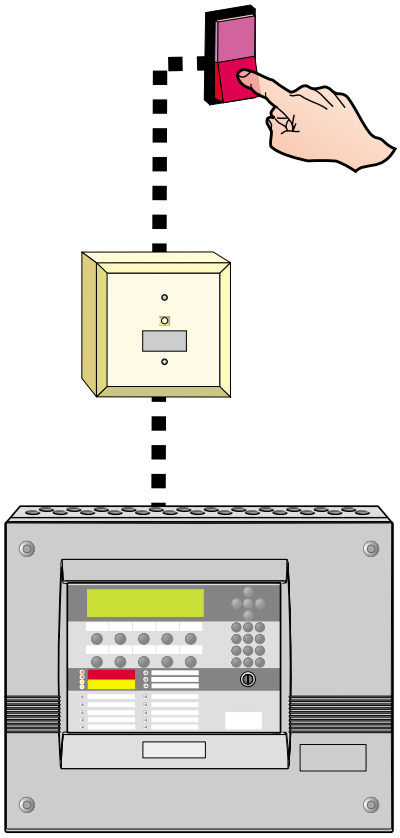
Option 6 on the User menu prompts for an access 3 passcode, which gives access to menu options required by commissioning and configuration engineers. These menu options are not available to the operator.

10.3 Set Language





This function selects the language used on the LCD display. The languages shown are examples only.



11 Non-latched Input Operation

This function enables the use of a remotely-placed switch to switch on, temporarily, certain outputs without the need for access to the panel. The function is only available if a remote switch is connected to a loop module which has been configured as an AUXILIARY type input, and this has been linked to specific outputs in the panel configuration. For details of how to configure this option, see the description of the Control Matrix in the ID3000 Series Panel Configuration Manual (997-276-XXX).

Operate the switch as indicated to cause the sounders or other outputs to operate in the pre-programmed pattern. Release the switch to switch off the outputs.

Normally there will be no indication at the panel of these operations. However, some installations may be configured so that the logging of AUX inputs occurs; if this is the case, the active AUX inputs are shown on the display described in **Section 5.3.7, Auxiliary Event Display**.

Appendix 1 - Log Book

In accordance with EN54 part 14, it is the user's responsibility to maintain a log book and to record all events resulting from or affecting the system. The log book should be kept in a place accessible to authorised persons (preferably near the control panel).

One or more identifiable individuals should be appointed to oversee or carry out all entries in the log book. The names of these persons (and any changes of responsible person) should be recorded.

All events should be properly recorded (events include real and false fire alarms, faults, pre-alarm warnings, tests, temporary disconnections and service visits). A brief note of any work completed or outstanding should be made.

Sample pages of the log book are provided here and can be photocopied to produce a log book that conforms to EN54 part 14. The sample below is for the reference data (e.g. the name of the responsible person), while the sample on the next page is for the entry of event data.

REFERENCE DATA

Name and address _____

_____

Responsible person _____ Date _____

_____ Date _____

_____ Date _____

_____ Date _____

The system was installed by _____

and is maintained under contract by _____

_____ until _____

Telephone number _____

should be contacted if service is required.

EVENT DATA

Date	Time	Event	Action required	Date completed	Initials

Back

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FIRE SYSTEMS

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