

ID5x/6x

*offline
configuration
manual*

997-405, Version 2.72a March 2006

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1 Introduction

1.1 Manual Purpose

This manual is a guide to the use of the Support Tool (Upload/Download) program which is used with the ID5x/6x Series Fire Control Panels.

Related Documents

This manual should be read in conjunction with the following documents:

- a. Installation, Commissioning & Configuration Manual.
- b. Operating Manual.

System Design and Planning

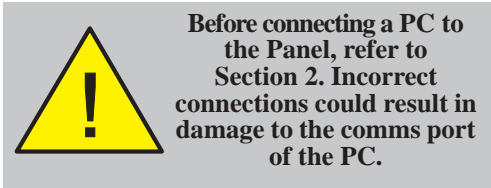
It is assumed that the system, of which the ID5x/6x panel is a part, has been designed by a competent fire alarm system designer in accordance with the requirements of EN54 Part 14, BS 5839 Part 1: 1998 and any other local codes of practice that are applicable.

Be aware that...

This manual is not intended to be a fire detection system design guide and should only be used by (or under supervision of) a qualified system design engineer.



Cross-references (in bold type) in this manual include links. For example, click on (see **Section 4**) to go to that Section.



1.2 General

System configuration files can be prepared using any IBM-compatible PC in offline mode, (i.e. you do not need to be connected to the panel itself during data preparation). Only when the system configuration file is complete does the PC need to be connected briefly to the panel. Then a simple operation, initiated with a few keystrokes and taking only a few minutes, is sufficient to program the data into the panel.

In addition, you can initially connect your PC to the fire control panel to read the data from the panel - this takes only a few seconds. The PC can then be disconnected from the panel and moved to a more convenient place for editing. Once editing is complete the PC is re-connected to the panel and the edited data sent to the panel. During the read and send operations the panel is still functional, except during the brief time period required for data transfer.

The Support Tool is fully Year-2000 compliant.

1.3 Hardware Requirements

1.3.1 Computers

It is recommended that the Support Tool runs on an IBM PC-AT compatible, Pentium-class PC, running under Windows® 9x with 16MBytes of memory or Windows® 2000/NT with 32MBytes of memory and with Internet Explorer 4, or later. The PC must be equipped with at least one serial port and (preferably) one printer port. For optimum performance it is recommended that the PC has, as a minimum, 32MBytes of free memory (RAM) and 35MBytes of free hard disk space. The PC monitor should be configured with a screen resolution of at least 800 x 600 pixels.

If you experience any problems, contact NOTIFIER or your computer supplier.

1.3.2 Printers

The Support Tool will allow you to print the data files on any configured Windows™ printer connected to the serial or parallel port of your PC. There are no special printer drivers in the software and the more sophisticated printers (e.g. some laser printers) may not operate as expected.

Consult NOTIFIER if you experience difficulty.



Make sure a pointing device is installed when using the Support Tool on a laptop.

1.3.3 *Connecting a PC to the Panel*

Use a suitable data communications cable. The panel requires a male RS232 9-way D-type connection from the cable.

1.4 **Backing Up**

When installing this program on a PC, follow the online installation procedure. Make back-up copies of all configuration data files. Keep the master Compact Disc in a safe place.



Always make regular back-ups of all the data files generated.

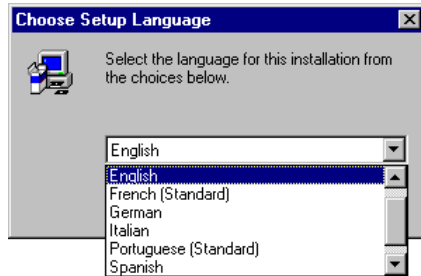
2 Installation

Before either a panel configuration file can be received by the PC or a configuration file can be sent to the panel, a connection must be made via the RS232 Interface connections. Jumper links must be set appropriately. The procedure is given in the panel's Installation, Commissioning & Configuration Manual (in Section 2.8, RS232 Interface Connections).

After successfully transmitting/receiving the panel system configuration, the PC may be disconnected.



It is **NOT** possible to run the Support Tool program from the CD.



3 Starting the Program

Before the Windows™ Support Tool program can be started, it must be installed on a suitable computer (see **Section 1.3.1 Computers**). Run the CD and follow the on-screen prompts.

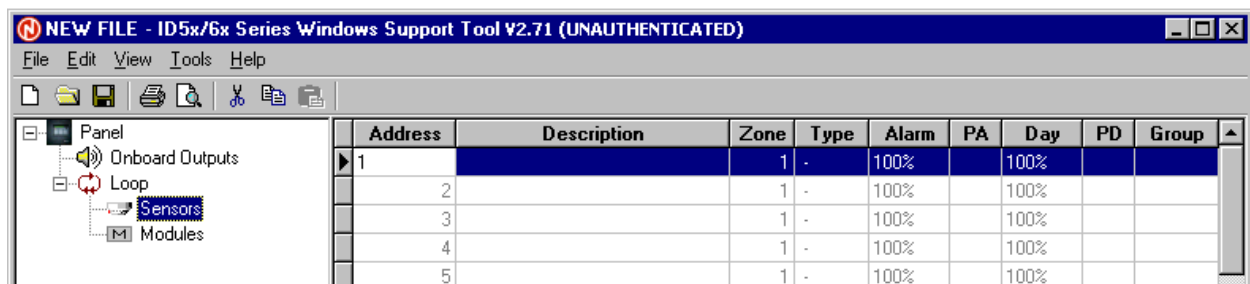
During installation you are prompted to select the installation setup language. Choose the desired language from the drop-down menu.

Note: An alternative language can be selected at any time after installation from a configured list of languages (see **Section 5.4 Tools Menu**).

To run the Support Tool program, either:

- From the Start menu, select Programs/Notifier Limited/ID5x&6x Series/ID5x&6x Series Tool (or the path in which the program was installed, if different), or
- Double-click the ID50Tool.exe icon in Windows™ Explorer.

When the ID50Tool.exe program is opened, the following Support Tool window is displayed:



3.1 How to Authenticate the Support Tool



An unauthenticated Support Tool has restricted functions. The Tools drop-down menu is inoperable (greyed out) - except for selection of language and VdS Compatibility mode - and it is **not** possible to communicate with a panel or change the Serial Port Setup.

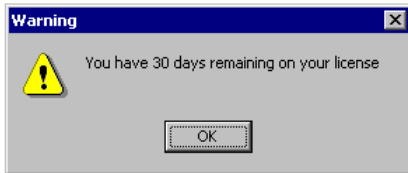
To authenticate the Support Tool:

- 1 Start the Tool and, from the Help menu, select the Authenticate option. The Authenticate dialogue window is displayed.
- 2 Note the customer code and enter it (together with the other requested data) on an Authentication Request form.

Note: Authentication Request forms are available from Notifier - phone Sales on +44 (0) 1444 230300.

- 3 Fax the Authentication Request form to Notifier on +44 (0) 1444 230888. Notifier will supply a licence key (valid for a specific PC only) in response.
- 4 On the Authenticate window, select 'Enter Licence Key'. The Licence window is displayed.
- 5 Enter the supplied key into the Licence window and select OK (or Cancel, to ignore the authentication). When authenticated the Support Tool is fully operational.

Note: If the Tool is installed on a different physical OR logical hard drive (e.g. on partitioned drives), you will have to repeat the whole authentication procedure.



3.1.1 Re-authentication

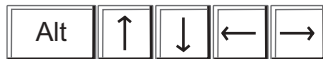
When the Support Tool Program licence has less than 31 days to run, a warning is displayed at startup (see opposite). Re-authenticate the tool following the procedure described above.

3.2 Using the Support Tool Program

The program is very easy to use, with all functions either selected via menus or function keys:

a. Current selections are highlighted in reverse video (see opposite).

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1		1	-	100%		100%		
2		1	-	100%		100%		
3		1	-	100%		100%		
4		1	-	100%		100%		
5		1	-	100%		100%		
6		1	-	100%		100%		
7		1	-	100%		100%		
8		1	-	100%		100%		



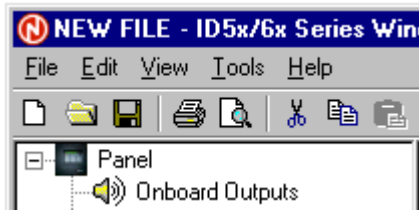
b. Press the <ALT> key and use the cursor arrows to step through the different options, or type the underlined character from the required function.

c. Alternatively, use the mouse to select the appropriate function.

d. While you are editing, the Help file can be accessed via function key F1.

The functions available under the various menu options are described in the remainder of this manual.

4 Open a File/Create a New File



A new configuration file template or an existing configuration file template can be accessed using the standard Windows™ 'New' and 'Open' commands. These commands are available at the top left corner of the Support Tool startup window. Files can also be opened by dragging and dropping onto the Tool window.

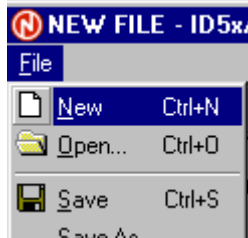
The 'New' and 'Open' commands create and load files with the extension '.udf'. If an old .udf file is opened, the version number is automatically updated and a 'Save' request is made.

4.1 NEW File

To create a new configuration file, either:

- Press the 'New' icon on the toolbar, or
- Select the 'New' option from the File menu.

A new blank template will be displayed (see **Section 4.3 Configuration File Template**).



4.2 OPEN File

To open a previously-stored configuration file:

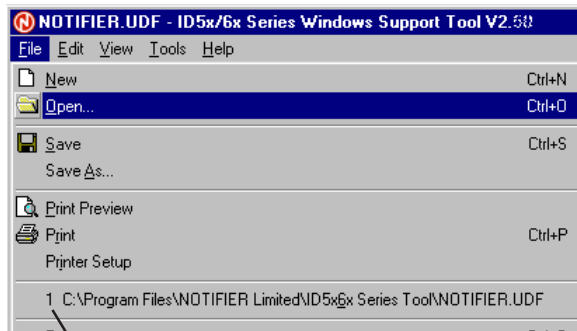
- a. Select the 'Open' option from the File drop-down menu to display the 'Open File' dialogue window, typically as shown at left.

Use the standard Windows™ navigation tools to search for and open the required file.

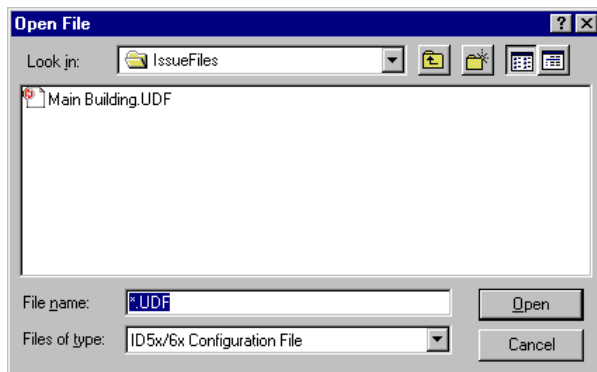
or

- b. Select a file from the history list. When a file is selected from the history list a template will be shown with the configuration settings stored in the file.

Refer to **Section 4.3, Configuration File Template**.



HISTORY LIST

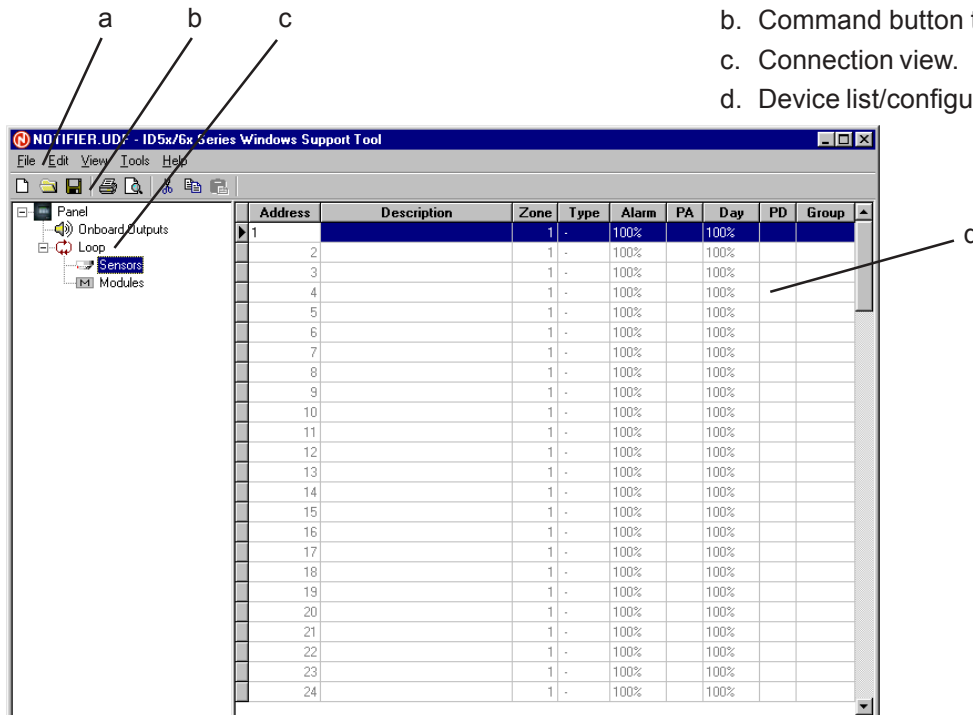


4.3 Configuration File Template

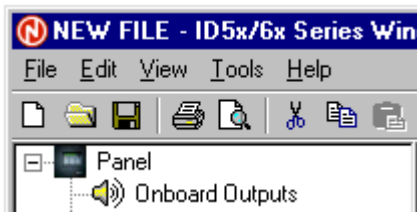
The Configuration File template is displayed when opening a new file (as shown below) or a previously-stored configuration file (*.udf). The new file template will not contain any specific system data, i.e. it is blank, whereas a previously-stored file contains saved configuration data.

The Configuration File template comprises four main areas (see illustration below):

- a. Menu tool bar.
- b. Command button tool bar.
- c. Connection view.
- d. Device list/configuration view.



5 Menu Tool Bar



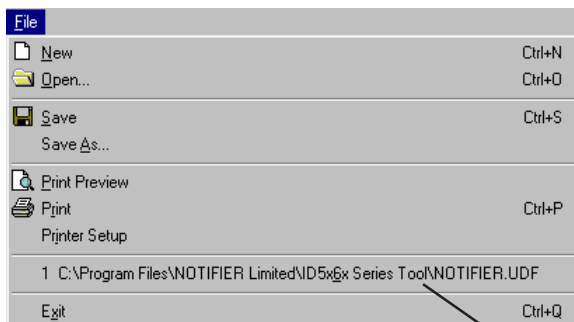
The Menu tool bar contains the following menus:

- a. File.
- b. Edit.
- c. View.
- d. Tools.
- e. Help.

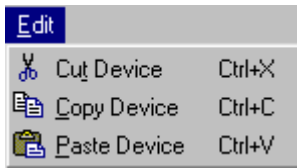
The options selectable from each Menu are described in the following sections.

5.1 File Menu

The File menu has the following options:



- | | |
|------------------------------------|--|
| <u>N</u>ew | Creates a blank configuration file. |
| <u>O</u>pen | Opens an existing configuration file. |
| <u>S</u>ave | Saves the current configuration to the file. |
| <u>S</u>ave <u>A</u>s | Saves the current configuration with a new name or to a new file location. |
| <u>P</u>rint <u>P</u>review | View configuration details to print. |
| <u>P</u>rint | Prints the configuration data. |
| <u>P</u>rinter <u>S</u>etup | Allows change of print settings. |
| 'History List' | Lists previous configuration files opened. |
| <u>E</u>xit | Closes the current session. |



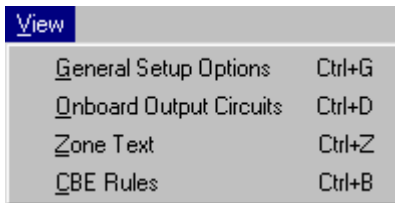
5.2 Edit Menu

The Edit menu has the following options:

Cut Device Removes the selected device, with its details, and places it on the clipboard.

Copy Device Places the selected device, with its details, on the clipboard.

Paste Device Only available after either copying or cutting information. Inserts the contents of the clipboard at the insertion point or replaces any highlighted selection.



5.3 View Menu

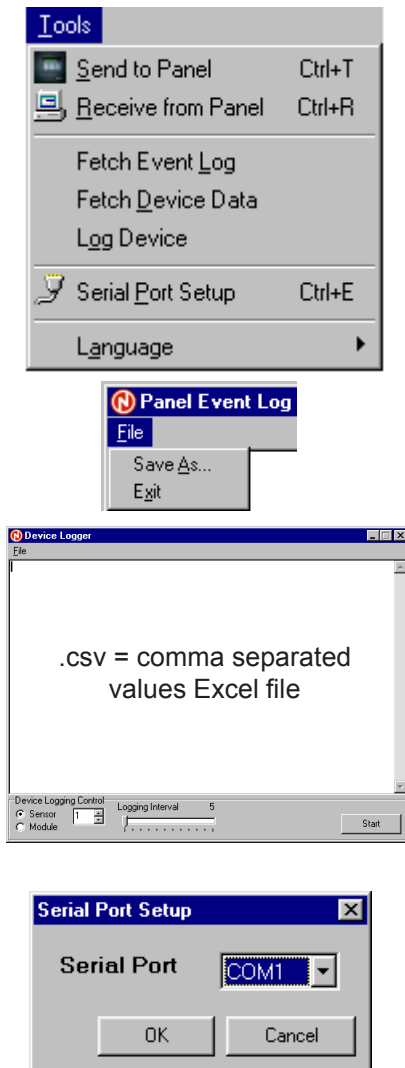
The View menu has the following options:

General Setup Options Allows general setup options to be viewed and/or changed.

Onboard Output Circuits Allows the configuration of the onboard circuits to be viewed and/or changed.

Zone Text Text assigned to each zone may be viewed and/or changed.

CBE Rules Control-by-Event (CBE) rules associated with modules and onboard output circuits may be viewed and/or changed.



5.4 Tools Menu

The Tools menu has the following options:

Send to Panel Transmits the current saved configuration information to the panel.

Receive from Panel

Retrieves the current configuration data from the panel and loads it into the PC's memory.

Fetch Event Log/Fetch Device Data

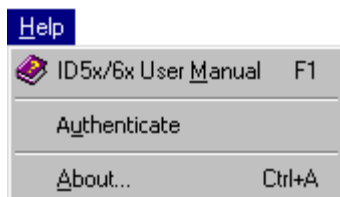
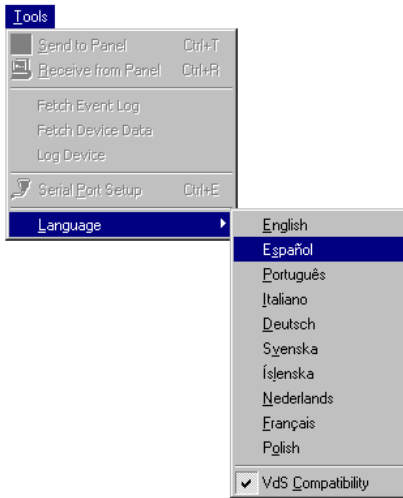
Retrieves the event log or device data from the panel. A 'Save As' option allows the log or data to be saved as a .csv file.

Log Device

While the Tool is connected to the panel, this option allows a device to be logged in real time on the Tool (select the Sensor or Module address, use the slider to set the logging interval [range 5 to 60 seconds], then Start. The data can be saved as a .csv file.

Serial Port Setup

Selection of this menu displays the window at left. To assign a serial port other than 'COM 1', use the down arrow to display a list of other comms port options. Click the 'OK' button to confirm and return to the configuration file, or 'Cancel' to return without changing the selection.



Language Presents a list of configured languages and the 'VdS Compatibility' option. Select the required language from the drop-down menu (the language change is implemented immediately).

VdS Compatibility

Changes the functionality (some CBE defaults) to comply with the requirements of VdS (Germany). To ensure all relevant defaults are set when opening a new file, select 'VdS Compatibility' **first**, then open the file.

5.5 Help Menu

The Help menu contains the following options:

ID5x/6x User Manual

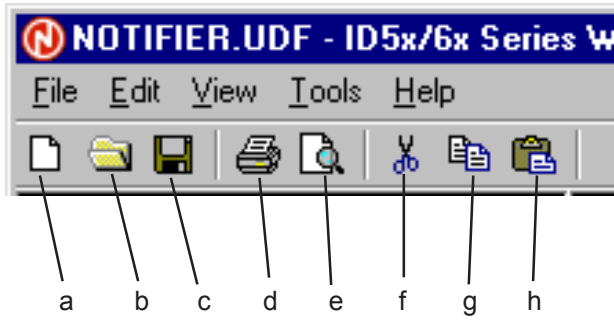
Displays the Offline Configuration Manual providing appropriate software has been installed.

Authenticate This option is only available with an unauthenticated Support Tool. Refer to **Section 3.1, How to Authenticate the Support Tool.**

About

Displays a window showing software part and version number, NOTIFIER's website address and available PC memory. Also displayed is the licence time remaining (in days). See Section 3.1.1.

Press 'OK' to Exit.



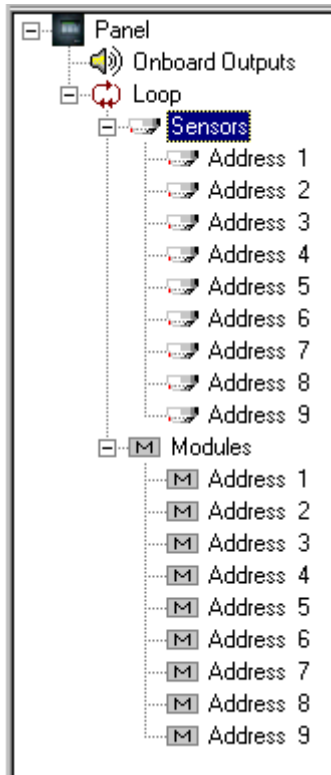
6 Command Tool Bar

The Command tool bar contains eight standard Windows™ icons:

- a. New File (Ctrl+N).
- b. Open File (Ctrl+O).
- c. Save File (Ctrl+S).
- d. Print (Ctrl+P).
- e. Print Preview.
- f. Cut Device (Ctrl+X).
- g. Copy Device (Ctrl+C).
- h. Paste Device (Ctrl+V).

Each icon operates as in standard Windows™ applications. The icons are described in **Section 5.1, File Menu**.

7 Connection View



The Connection View pictorially shows the outputs and signalling devices connected to the panel.

The view can be expanded (+) or collapsed (-) as in the standard Windows™ Explorer. To expand or collapse click the LEFT mouse button on the required icon (+ or -) or text header.

You can use the mouse buttons to navigate and select options within the Connection View as follows:

Left mouse button - Navigate

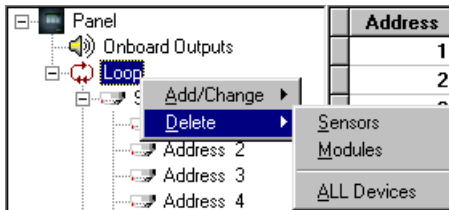
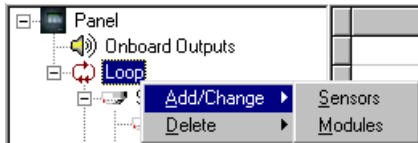
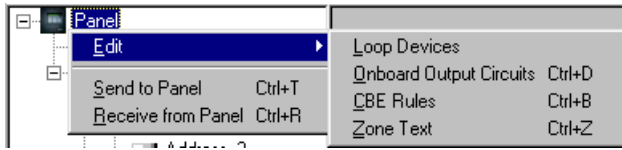
Panel Displays the Setup Options screen in the Configuration View area.

Onboard Outputs View the Onboard Outputs Setup screen in the Configuration View area.

Loop View the loop device list (sensors - default) in the Configuration View area.

Sensors (Sensor Address) View the sensor loop device list in the Configuration View area. Selected device is highlighted.

Modules (Module Address) View the module loop device list in the Configuration View area. Selected device is highlighted.



Right mouse button - Options

Panel Icon Right-click on this icon to display the following drop-down menu options:

Edit

Send to Panel (Ctrl+T)

Receive From Panel (Ctrl+R)

Edit options are: Loop Devices, Onboard Outputs, CBE Rules or Zone Text. Refer to **Section 5.2**.

Send to Panel - refer to **Section 15.1**. **Receive from Panel** - refer to **Section 15.2**.

Onboard

Outputs Displays the CBE Rules drop-down menu; left-click to select 'CBE Rules'.

Loop

Displays a drop-down menu with options to Add/Change or Delete devices; also selectable from an individual address icon.

Select '*Add/Change*' for *Sensors* or *Modules*.

Select '*Delete*' for *Sensors*, *Modules* or *ALL Devices*.

Sensors

You are prompted to enter sensor address/range, type and specified zone. Refer to **Section 11.1**.

Modules

You are prompted to enter module address/range, type and specified zone. Refer to **Section 11.1**.

ALL Devices

Delete option only. You are prompted to confirm/cancel selection. Refer to **Section 11.3**.

8 Device List/Configuration View

The device list/configuration view on the right-hand side of the Support Tool window presents one of the following four displays:

- Setup Options (five tabs).
- Onboard Outputs.
- Sensor Device list.
- Module Device list.

Typical Setup Options and Onboard Outputs displays are shown at left. Typical Sensor and Module Device lists are shown on the next page.

Setup Options

Panel Options | Site Details | Device Options | Peripheral Options | Day/Night Settings

Panel Type: SW993-641-xxx - ID50

Date Format: dd/mm/yyyy

Control Keys Require Level 2 Access
 No
 Yes

Control Key 3 Mode
 End Delays/Evacuate
 Transmission Device Enable/Disable

Event Printing
 On-Demand
 Continuous

Print Format
 Single Height
 Double Height

LED 1H Mode
 Pre-Alarm
 Sounders Silenced

LED 2C Mode
 Plant Alarm
 Fault Output: Fault/Disable

Un-mute Internal Tone
 On new zone in alarm
 On new device in alarm

Mains Fault Delay: 0 minutes

Onboard Outputs

Output Circuit	Configuration	CBE Rule No
(B01) - Fixed Supervised (A)	SDR	(1) 1
(B02) - Fixed Supervised (B)	SDR	(1) 1
(B03) - Hardware Configurable (C)	RLY	(1) 4
(B04) - Hardware Configurable (D)	RLY	(1) 5
(B05) - Open Collector[-ve] (1)	RLY	(1) 2
(B06) - Open Collector[-ve] (2)	RLY	(1) 3

Sensor Device List

Note: This display provides access to the 'Alarm' and 'Day' (Day Mode) sensitivity fields (**Section 11.1.4**). Fields are also available for the configuration of VIEW™ sensors and other device groups except for device type TMP (**Section 11.1.4**).

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		
3	warehouse 2	1	ION	100%		100%		
4	warehouse 3	1	MLT	L3		L3		
5	warehouse 4	1	TMP	100%		100%		
6	warehouse 5	1	TMP	100%		100%		
7	office 1	1	AVS	L7	L6	L4	L5	1
8	office 2	1	AVS	L8	L7	L5	L3	1
9	office 3	1	AVR	L7	L8	L4	L4	1
10		1	-	100%		100%		

Module Device List

Note: This display provides access to the CBE Range Entry window (**Section 11.1.6**).

Address	Description	Zone	Type	Action	CBE Rule
1	Reception	1	MCP		
2	Warehouse 1	1	MCP		
3	Warehouse 2	1	SDR		(+1) 1,21
4	Warehouse 3	1	RLY		(1) 1
5	Warehouse 4	17	AUX	PLANT ALARM	
6	Warehouse 5	17	AUX	PLANT ALARM	
7	Office 1	1	SDR		(+1) 1,12
8	Office 2	1	MCP		
9	Office 3	1	MCP		
10		1	-		
11		1	-		
12		1	-		

9 Setup Options

The Setup Options display enables you to edit the panel's Setup menu options. The display has five tabs:

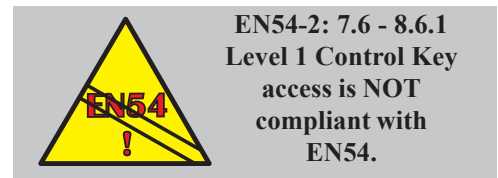
- Panel Options.** Enables you to select the Panel Type, Set/change the Date Format, select the Control Keys access level, select printing modes and select the following actions: function of Control Key 3 (VdS only), LEDs 1H and 2C and the un-mute function of the internal buzzer with new alarms.
- Site Details.** Enables you to enter/edit the Site Name and Service Telephone Number.
- Device Options.** Enables you to set/select Device Blinking, Automatic High Test time, Digital Input 1 function, Transmission Device mode, FWP Input 4 Disable, Pulse Ratio, and Extinguishing System functions.
- Peripheral Options.** Enables you to set/select the number of repeaters, their protocol, and the RS232 port mode.
- Day/Night Settings.** Enables you to activate/deactivate the Day Mode and/or Weekend Night Mode and configure Delay Timers.

To view the Setup Options display, select the Panel Icon in the Connection View area on the left-hand side of the Support Tool window; the Device List/Configuration View area displays the current settings.

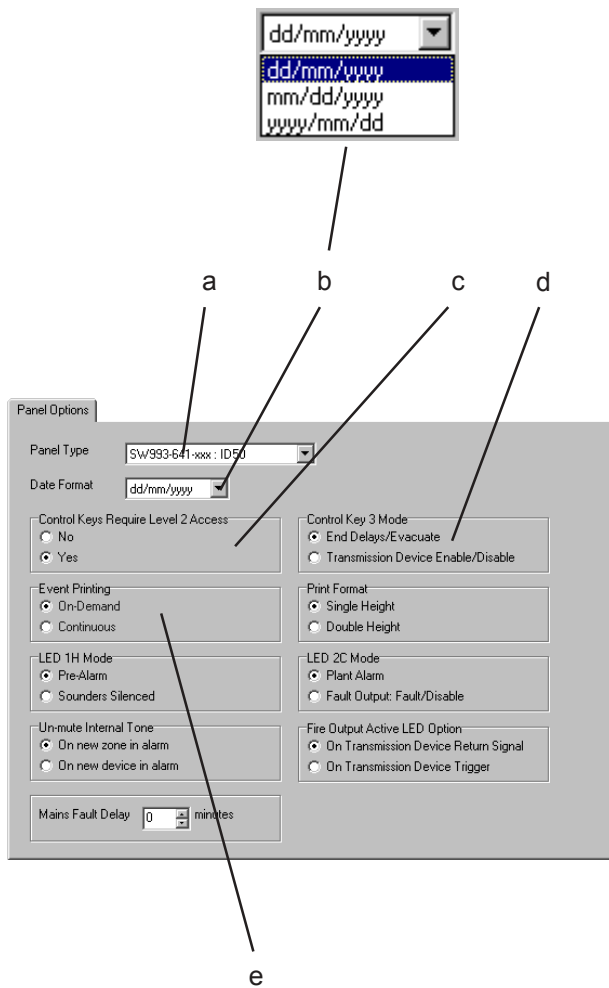
9.1 Panel Options

The Panel Options tab allows you to set the following:

- Panel Type.** Highlight the type from those available in the list. Restricts the options available in the Support Tool to those appropriate to the selected panel. Panel Type is stored with the configuration and is used to generate a warning if this is incompatible with the panel. It is set automatically when a configuration is received *from* a panel.
- Date Format.** Highlight the required format from those listed (options are dd/mm/yyyy, mm/dd/yyyy, yyyy/mm/dd).
- Control Keys Require Level 2 Access.** Click the 'Yes' button for access level 2, or the 'No' button for access level 1.



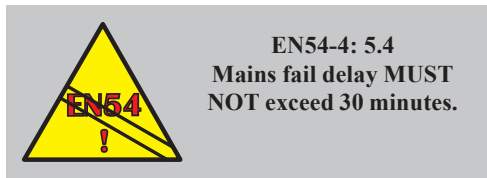
- Control Key 3 Mode.** Applicable to NF-Series panels only. Key function can be set as Transmission Device Enable/Disable or End Delay/Evacuate.
- Event Printing.** *ID51/52, ID61/62 only.* Click either 'On-Demand', if events are not to be printed until requested at the panel's User Print menu, or 'Continuous' if events are to be printed when they occur.



The screenshot shows the 'Panel Options' configuration window. It includes the following sections and settings:

- Panel Type:** SW993-641-xxx : ID50
- Date Format:** dd/mm/yyyy
- Control Keys Require Level 2 Access:** No, Yes
- Control Key 3 Mode:** End Delays/Evacuate, Transmission Device Enable/Disable
- Event Printing:** On-Demand, Continuous
- Print Format:** Single Height, Double Height
- LED 1H Mode:** Pre-Alarm, Sounders Silenced
- LED 2C Mode:** Plant Alarm, Fault Output: Fault/Disable
- Un-mute Internal Tone:** On new zone in alarm, On new device in alarm
- Fire Output Active LED Option:** On Transmission Device Return Signal, On Transmission Device Trigger
- Mains Fault Delay:** 0 minutes

Callouts: 'g' points to LED 1H Mode, 'f' points to Print Format, 'j' points to Mains Fault Delay, 'i' points to Un-mute Internal Tone, 'h' points to LED 2C Mode, and 'k' points to Fire Output Active LED Option.



Panel Options (continued)

- f. **Print Format.** *ID51/52, ID61/62 only.* Click the required size of characters to be printed at the printer, either Single Height or Double Height.
- g. **LED 1H Mode.** The default function for this LED is PRE-ALARM. This allows the selection of alternative LED function of SOUNDERS SILENCED.
- h. **LED 2C Mode.** The default function for this LED is PLANT ALARM. The alternative FAULT OUTPUT: FAULT/DISABLED function can be selected.
- i. **UN-mute Internal Tone.** Used to control how new alarms un-mute the internal buzzer, i.e. new alarms occurring in zones not previously in alarm or for any new device going into alarm.
- j. **Mains Fault Delay.** This can be extended to prevent the fault being displayed unnecessarily if the site experiences frequent short interruptions to the mains supply. The maximum delay is 60 minutes (**but see the EN54 warning opposite**).
- k. **Fire Output Active LED Option.** Only available if VdS Compatibility is set. Used to select the condition under which the Remote Fire Output Active LED illuminates (either transmission device trigger or return signal).

9.2 Site Details

The Site Details tab allows you to set the following:

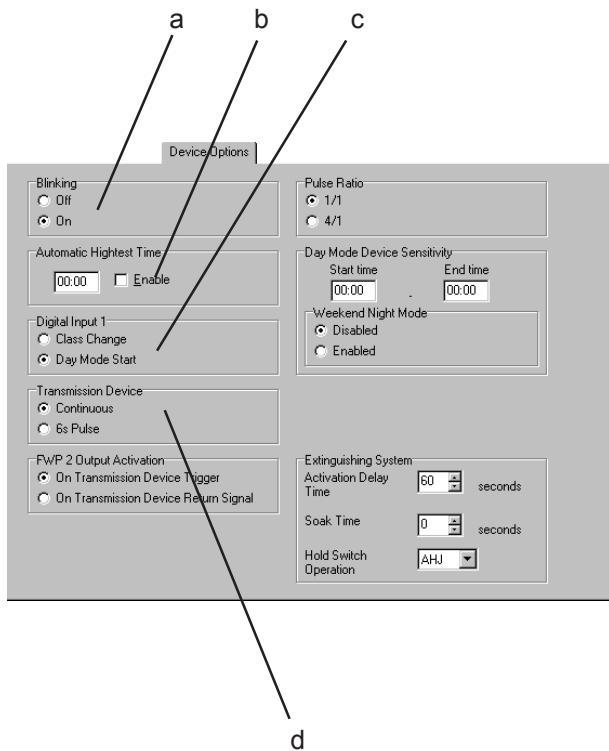
The screenshot shows a configuration window with a tab labeled "Site Details". Inside the window, there are two input fields. The first field is labeled "Site Name" and the second is labeled "Service Phone No.". A callout letter "a" points to the "Site Name" field, and a callout letter "b" points to the "Service Phone No." field.

- a. **Site Name.** Use this field to enter a site name (maximum of 20 characters) for the panel. The entered site name replaces the 'Status: NORMAL' message on the panel LCD. Text is entered at the current cursor position; use the 'backspace' or 'delete' keys to erase characters.
- b. **Service Phone No.** Use this field to enter the phone number of the designated servicing company (maximum of 20 characters). Alpha/numeric characters are entered at the current cursor position; use the 'backspace' or 'delete' keys to erase characters.

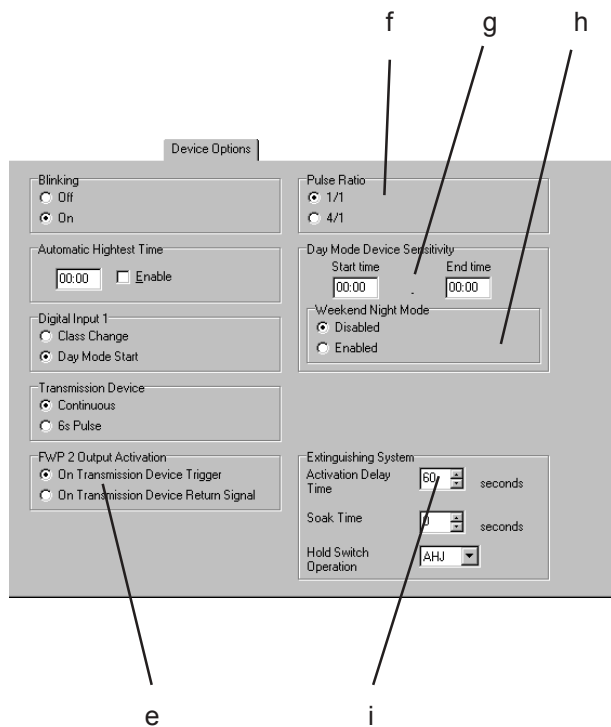
9.3 Device Options

The Device Options tab allows you to set the following:

- a. **Blinking.** Select polled-device blinking either 'On' or 'Off'.
- b. **Automatic Highest Time.** At a specified time, the panel polls all devices and tests that they can produce an alarm condition. Place the cursor at the left-hand side of the time field and enter the time of day (in 24-hour format) at which the test is to occur. The cursor automatically moves to the right. Check the 'Enable' box to enable the test (or leave unchecked if the test is not required).
- c. **Digital Input 1.** Select the effect when the panel's Digital Input 1 is activated; either 'Class Change' (all Class Change-configured outputs will operate) or 'Day Mode Start' (Day Mode delays start).
- d. **Transmission Device.** Applicable to NF-Series panels only. Select the output response of this device; either 'Continuous' (steady) or '6s Pulse' (6 second pulsed).



CONTINUED...

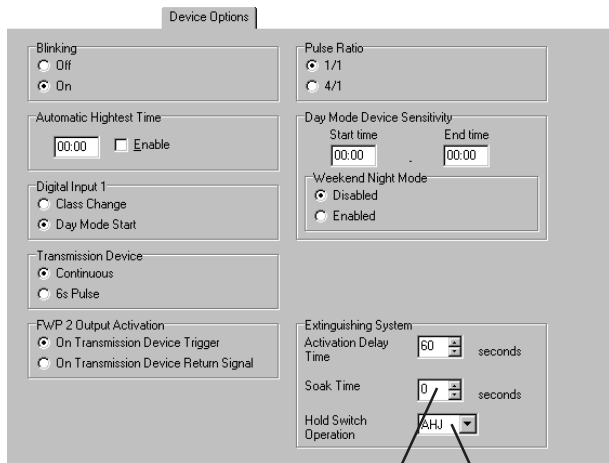


Note: If an incorrect date has been entered at the panel, Weekend Night Mode may not coincide with the weekend.

Device Options (continued)

- e. **FWP 2 Output Activation.** Controls conditions under which an associated Fireman's Work Panel (FWP) operates the Transmission Device-triggered output (FWP2). Default state is to activate the output when the Transmission Device output is triggered. Optional state is to activate the output when the Transmission Device return signal (via Digital Input 2) is triggered.
- f. **Pulse Ratio.** Select the common value for all outputs configured as pulsing; either '1/1' (one second ON, one second OFF) or '4/1' (four seconds ON, one second OFF).
- g. **Day Mode Device Sensitivity.** Set the start and end times (24 hour-clock) at which sensors use their 'Day' preset sensitivity level instead of their 'Night' preset sensitivity level. If the start and end times are the same, Day Mode remains inactive. Does not affect delays (**Section 9.5**).
- h. **Weekend Night Mode.** If enabled, the panel disregards Day Mode on the two days of the week that coincide with the weekend. If disabled, Day mode applies to all days.
- i. **Activation Delay Time.** A common value used by all Extinguishing System CBE Rules (default 60 seconds). Use the spin buttons or up/down arrows to select the required time (minimum 10 seconds, maximum 180 seconds).

CONTINUED...



Device Options (continued)

- j. **Soak Time.** A common value used by all Extinguishing System CBE Rules (default 0 = no limit). Limits the operating period of these CBE Rules, to prevent damage to the extinguishing system module. Use the spin buttons to select the required time, or highlight the current setting and enter a new value (maximum 999 seconds).
- k. **Hold Switch Operation.** Highlight the required effect of the switch upon the CBE operation. The options are:

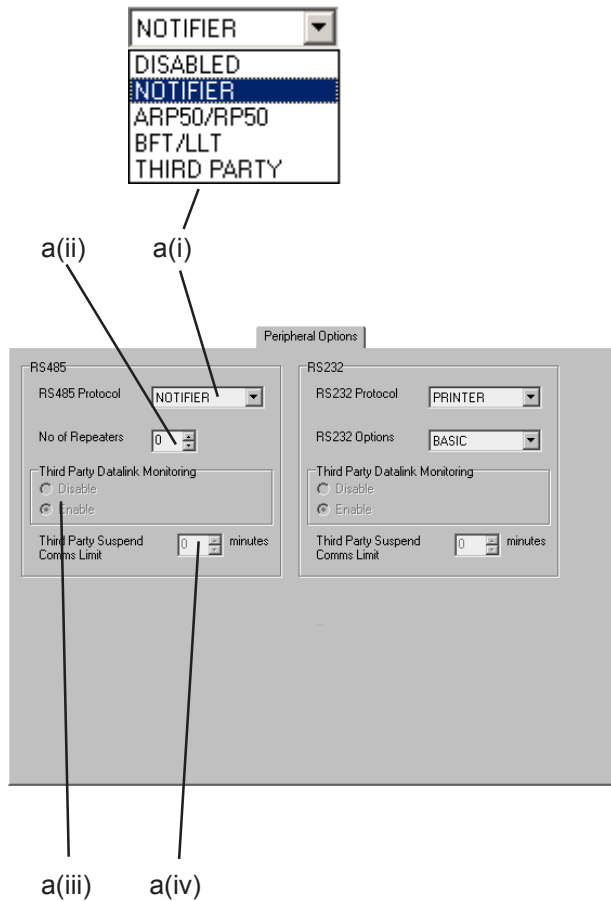
AHJ. While a Hold Switch is active, the activation delay timer is reset to the pre-programmed value (this is the default).

NYC. While a Hold Switch is active, the activation delay timer is reset to the pre-programmed value plus 90 seconds and paused.

ULI. While a Hold Switch is active, the activation delay timer continues to count down, and pauses at 10 seconds before release.

IRI. Hold Switch activity is ignored if two or more zones associated with the Extinguishing System CBE are in alarm. Otherwise the effect is the same as ULI.

Note: When the Hold Switch becomes inactive, the activation delay timer restarts.



9.4 Peripheral Options

The Peripheral Options tab allows you to set the following:

a. **RS485** options:

i. **RS485 Protocol.** Highlight the required option:

DISABLED - disables communication between the panel and repeater(s).

NOTIFIER - use with IDR-2A and IDR-2P repeaters.

ARP50/RP50 - use with these repeaters.

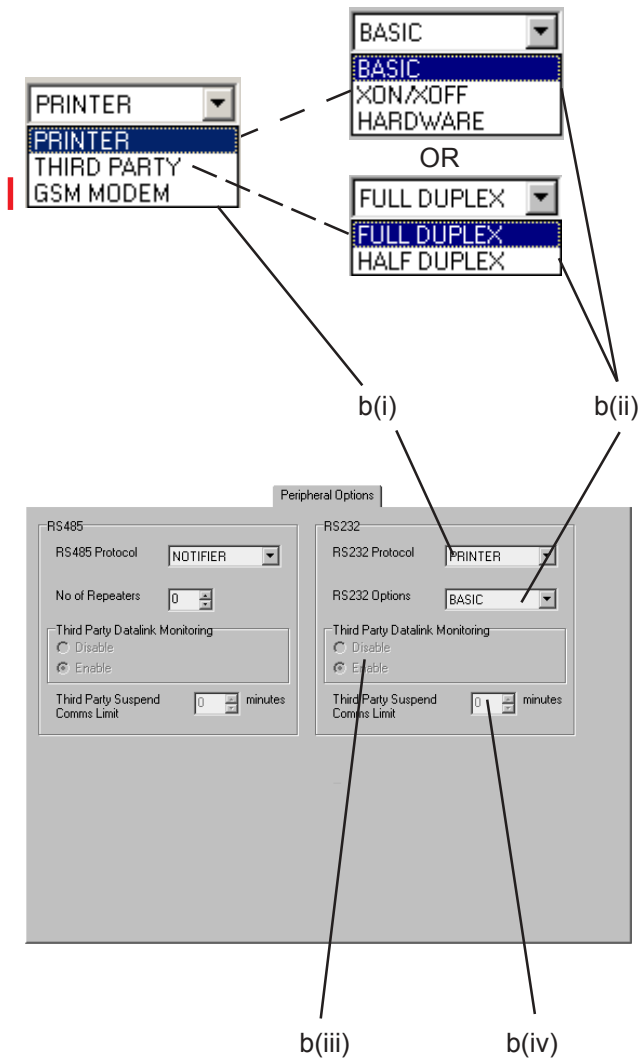
BFT/LLT - use with these Swedish repeaters.

THIRD PARTY - use with non-NOTIFIER repeaters.

ii. **No. of Repeaters.** Use the spin buttons to select the number of repeaters installed on the RS485 Communications link, or highlight the current setting and enter a new value (range 0 to 16).

iii. **Third Party Datalink Monitoring.** Monitoring of the RS485 Third party Datalink can be set to 'Enabled' or 'Disabled'.

iv. **Third Party Suspend Limit.** Used to limit the maximum time for suspending the RS485 Third Party Protocol Datalink. Enter a value of 1 to 300 minutes or a value of '0' if an indefinite period is required.



Peripheral Options (continued)

b. RS232 options:

i **RS232 Protocol.** Highlight the required protocol: a) to connect a printer at the panel's RS232 port; b) to connect a computer application that supports the 3rd party protocol; c) to connect to a modem for the transmission of selected panel events to the GSM telephone network.

ii **RS232 Options.** Highlight the required option:

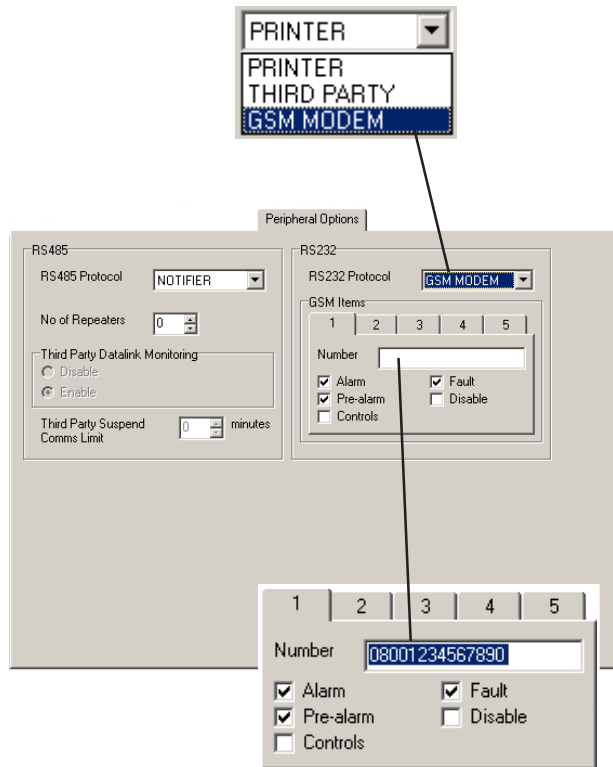
If 'Printer' was selected in (i) above, the options are basic (data sent to printer at 20 characters/sec without data flow control), XON/XOFF (software control of data flow) or HARDWARE (control lines control data flow - *not applicable to ID50/60*).

If 'Third Party' was selected in (i) above, the options are FULL or HALF DUPLEX.

If GSM MODEM was selected see next page for details.

iii **Third Party Datalink Monitoring.** Monitoring of the RS232 Third party Datalink can be set to 'Enabled' or 'Disabled'.

iv **Third Party Suspend Limit.** Used to limit the maximum time for suspending the RS232 Third Party Protocol Datalink. Enter a value of 1 to 300 minutes or a value of '0' if an indefinite period is required.



Peripheral Options (continued)

If GSM MODEM was selected in (i) above up to five contact telephone numbers and up to five categories of panel event for transmission can be entered here.

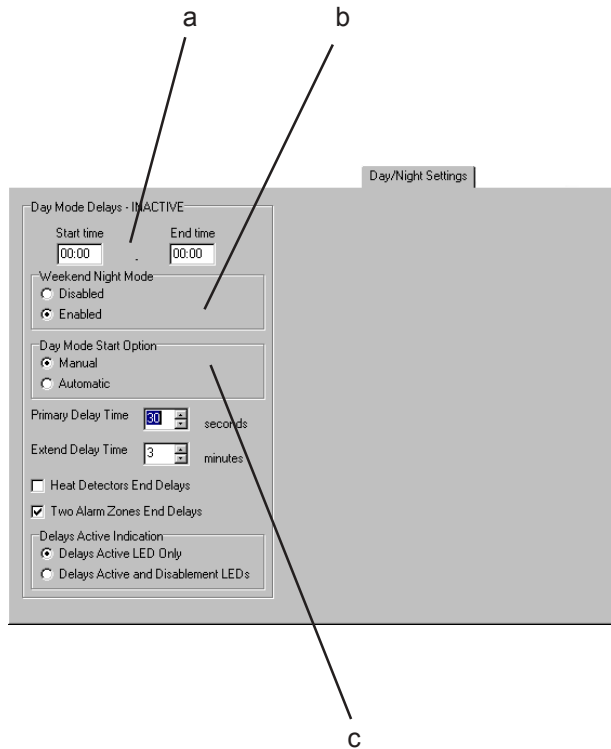
Notification of an Alarm, Pre-alarm, Fault condition, panel Controls action or Disablement status change can be selected or any combination of them. The default notification selection for each is: Alarm, Pre-alarm and Fault.

With the cursor placed at the left-hand end of the 'Number' entry field, type the required telephone number (no spaces are required and only numeric values are accepted).

For each telephone number select the required notification categories using the tick boxes provided.

9.5 Day/Night Settings

The Day/Night Settings tab allows you to set the following:



a. **Day Mode Delays.** This function automatically (unless input 1 is set to Day Mode Start or the Day Mode Start Option is set to Manual) enables the two-stage delay. Set the Day Mode start and end times (24 hour-clock). If the start and end times are the same, Day Mode remains inactive. During Day Mode the activation or deactivation of delayed outputs can be overridden manually. This setting does not affect sensor sensitivity (**Section 9.3**).

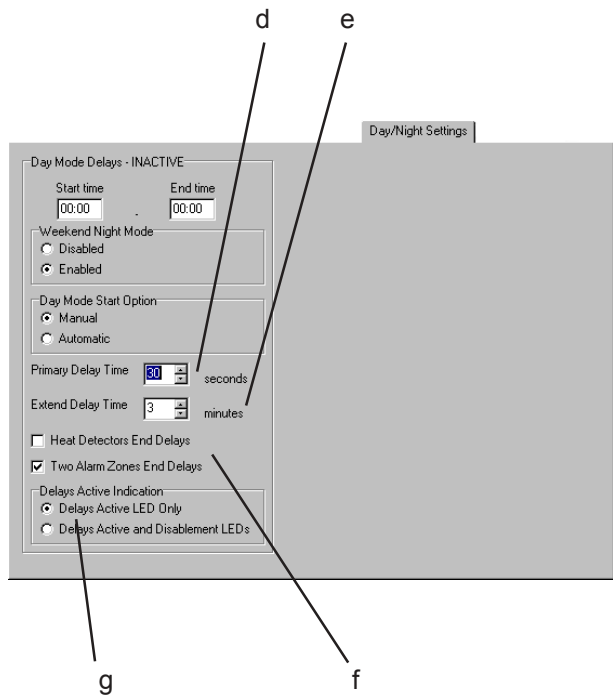
b. **Weekend Night Mode.** If enabled, the panel disregards Day mode on the two days of the week that coincide with the weekend and enables the single-stage delay. If disabled, Day mode applies to all days.

Note: If an incorrect date has been entered at the panel, Weekend Night Mode may not coincide with the weekend.

c. **Day Mode Start Option.** If Automatic is set, Day Mode starts and ends at the times configured in step a, otherwise Day Mode is controlled manually at the panel.



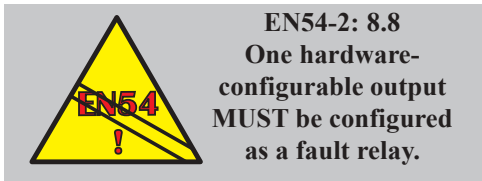
EN54-2: 9.1.2
Disablement and re-enablement **MUST** be a manual operation at access level 2.



Day/Night Settings (continued)

- d. **Primary Delay Time.** The Primary Delay Timer is a common value (default 30 seconds) for all delay rules assigned to outputs. Either use the spin buttons to select the required time, or highlight the current setting and enter a new value (maximum 300 seconds).
- e. **Extend Delay Time.** The Extend Delay Timer is a common value (default 3 minutes) for all delay rules assigned to outputs. Either use the spin buttons to select the required time, or highlight the current setting and enter a new value. If the *total* delay time would exceed EN54 regulations (i.e. 10 minutes between fire detection and activation of outputs), the *extend* delay time is automatically reduced to ensure this limit is not exceeded.
- f. **End Delays Option.** Select the method to end delays: Two zones in alarm or heat detector(s) in alarm, or both options.
- g. **Delays Active LED Indication.** Select whether only the DELAYS ACTIVE LED is lit or the DELAYS ACTIVE *and* DISABLEMENT LEDs for the indication of active delays.

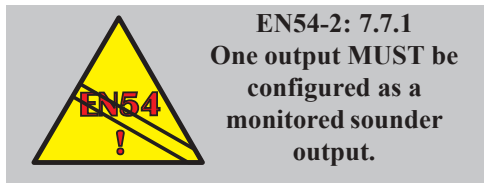
10 Onboard Outputs



This display allows all of the six onboard output circuits to be configured.

Each output can be assigned to a specific output CBE Rule. The CBE Rule to which the output is assigned can be edited.

Output Circuit	Configuration	CBE Rule No
(B01) - Fixed Supervised (A)	SDR	(1) 1
(B02) - Fixed Supervised (B)	SDR	(1) 1
(B03) - Hardware Configurable (C)	RLY	(1) 4
(B04) - Hardware Configurable (D)	RLY	(1) 5
(B05) - Open Collector[-ve] (1)	RLY	(1) 2
(B06) - Open Collector[-ve] (2)	RLY	(1) 3



Onboard Outputs	
Output Circuit	Configuration
(B01) - Fixed Supervised (A)	<input type="text" value="SDR"/> <ul style="list-style-type: none"> SDR TxD CTL RLY ESO EST ESE RLE CTE
(B02) - Fixed Supervised (B)	
(B03) - Hardware Configurable (C)	
(B04) - Hardware Configurable (D)	<input type="text" value="RLY"/>
(B05) - Open Collector[-ve] (1)	<input type="text" value="RLY"/>
(B06) - Open Collector[-ve] (2)	<input type="text" value="RLY"/>

10.1 Configuration Option

The Onboard Outputs circuit configuration display is used to specify the hardware output type. This software configuration is in addition to hardware jumper links (see the panel's Installation, Commissioning and Configuration manual). The options are:

- a. Sounder (SDR).
- b. Transmission Device (TxD).
- c. Supervised Relay (CTL).
- d. Unsupervised Relay (RLY).
- e. Extinguishing System Output (ESO).
- f. Extinguishing System Trigger (EST).
- g. Extinguishing System Non-extinguishing Output (ESE).
- h. Relay Output Extinguishant Module (RLE).
- i. Control Output Extinguishant Module (CTE).

For each output, highlight the required option from those available in the list.

10.2 Control-by-Event (CBE) Rule Number

CBE Rule No

(1) 1	...
(1) 1	...
(1) 4	...
(1) 5	...
(1) 2	...
(1) 3	...

The operation of each Onboard Output is controlled by one of up to 64 numbered Control-by-Event (CBE) Rules. A CBE Rule defines a set of input conditions (e.g. fire alarm in specified zones) that will activate all the outputs which have the Rule Number assigned to them.

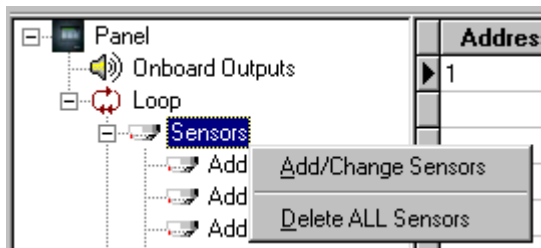
Use the keyboard to enter the Rule Number (or Numbers separated by commas) to be applied to the Onboard Output.

To edit a CBE Rule, select the corresponding '...' button. The CBE Rules window is displayed (refer to **Section 12 CBE Rules**).

Note: The last CBE Rule viewed on the CBE Rule window is automatically entered into the CBE Rule No. box when the CBE Rule window is closed.

11 Loop Device Configuration

11.1 Adding/Changing Device Settings



Use the scroll bar on the right-hand side of the Device List View to scroll through the sensors or modules. Up to 99 of each may be configured.

To select a particular device, click on any field in the appropriate row or on the grey area to the left (or click on the device's icon in the Connection View).

The following sections describe each of the fields.

11.1.1 Description

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		
3	warehouse 2	1	ION	100%		100%		
4	warehouse 3	1	MLT	L3		L3		
5	warehouse 4	1	TMP	100%		100%		

To change the existing device description, or enter a new one, click within the device's text field. Any existing text is highlighted and can be deleted by pressing the <delete> key, or can be overwritten with any character.

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		
3	warehouse 2	1	ION	100%		100%		
4	warehouse 3	1	MLT	L3		L3		
5	warehouse 4	1	TMP	100%		100%		

Click again within the 'description' field. The text highlighting is turned off and a cursor bar is shown. Insert new text at the cursor position (use <backspace> and <delete> to erase characters). The maximum number of characters that can be entered is 20.

To erase a word, double-click on it and then press the <delete> key.

11.1.2 Zone Number

To change the zone number assigned to the device, click in the 'Zone' field. The current zone number is highlighted. It can be deleted (i.e. set back to zone 1), or overwritten with the desired zone number.

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		
3	warehouse 2	1	ION	100%		100%		
4	warehouse 3	1	MLT	L3		L3		

Sensors and input modules (except AUX) can be assigned to zones 1 - 16. AUX input modules can be assigned to zones 17 - 32. Module types SDR, RLY, CTL, TxD, EST, ESO, ESE, RLE and CTE can be assigned to any zone.

11.1.3 Device Type

To change the device type, or add a device, click in the 'Type' field. The current type is highlighted and a down arrow appears. Click on the arrow to view the drop-down menu and highlight the required type. Click to select it.

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	TMP	100%		100%		
3	warehouse 2	1	OPT	100%		100%	0	
4	warehouse 3	1	ION	L3		L3	0	
5	warehouse 4	1	MLT	100%		100%	0	
6	warehouse 5	1	OPX	100%		100%	0	
7		1	AVR	100%		100%		

11.1.4 Sensors - Alarm/Day

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	L5	L5	L5	L5	1
3	warehouse 2	1	ION	100%		100%		0
4	warehouse 3	1	MLT	L5	L5	L5	L5	2
5	warehouse 4	1	TMP	L1		100%		
6	warehouse 5	1	TMP	L2		100%		
7	office 1	1	OPX	L3	L5	L5	L5	2
8	office 2	1	AVS	L4	L5	L5	L5	3
9	office 3	1	AVR	L5	L5	L5	L5	3
10		1	-	100%		100%		
11		1	-	100%		100%		
12		1	-	100%		100%		
13		1	-	100%		100%		
14		1	-	100%		100%		

These fields allow two sensitivity levels to be set for the selected device. The 'Alarm' sensitivity is used during Night Mode and the 'Day' sensitivity is used during Day Mode, if this mode is configured (see **Section 9.3**). To change the sensitivity, select either the Alarm or Day field and enter the new value (for MULTI [MLT], VIEW™ [AVS & AVR] and Optiplex [OPX] sensors, select the sensitivity level from the drop-down list).

All sensors, except logical type TMP, can be allocated to a co-operative, multi-sensing group. The default group is '0' except for VIEW™ sensors, which has the default group '1'. The defaults can be edited as required (maximum of 50 groups) and device types can be used in any group. If sensors are required to operate as stand-alone devices, they must be put into group 0.

Note: If transferring a configuration from panel software earlier than version 5.00, the group number will be defaulted to '1'. This must be changed to zero for all devices that are not to be monitored using the co-operative, multi-sensing group algorithm.

VIEW™ Sensors

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		0
3	warehouse 2	1	ION	100%		100%		0
4	warehouse 3	1	MLT	L3		L3		0
5	warehouse 4	1	TMP	100%		100%		
6	warehouse 5	1	TMP	100%		100%		
7	office 1	1	OPX	L5	L5	L5	L5	50
8	office 2	1	AVS	L3	L5	L5	L5	1
9	office 3	1	AVR	L1	L5	L5	L5	1
10		1	-	L2		100%		
11		1	-	L3		100%		
12		1	-	L4		100%		
13		1	-	L5		100%		
14		1	-	L6		100%		
15		1	-	L7		100%		
		1	-	L8		100%		
		1	-	L9		100%		

Click in the 'Type' field and select the VIEW™ logical type, either 'AVS' (sensor) or 'AVR' (reference sensor).

The columns headed 'PA' and 'PD' are specific to VIEW™ sensors only:

- a. 'PA' and 'PD' set the pre-alarm levels for Night and Day Modes respectively.
- b. When a VIEW™ sensor is selected it is automatically assigned to the default co-operative, multi-sensing group '1'. If a group contains both AVS and AVR types, the AVS's de-sensitise if the AVR's detect a sudden rise in contaminated air. If VIEW™ sensors are required to operate as stand-alone devices they must be put into group 0.

Optiplex Sensors

Address	Description	Zone	Type	Alarm	PA	Day	PD	Group
1	reception	1	TMP	100%		100%		
2	warehouse 1	1	OPT	100%		100%		0
3	warehouse 2	1	ION	100%		100%		0
4	warehouse 3	1	MLT	L3		L3		0
5	warehouse 4	1	TMP	100%		100%		
6	warehouse 5	1	TMP	100%		100%		
7	office 1	1	OPX	L3	L3			0
8		1	-	L1		100%		
9		1	-	L2		100%		
10		1	-	L3		100%		
11		1	-	L4		100%		
12		1	-	L5		100%		
		1	-	L6		100%		

Click in the 'Type' field and select the OPX logical type. Click in the Alarm/Day column and select one of six values between L1 and L5; L1 being the most sensitive and L5 the least sensitive. Select L6 for the 'Heat' only option (see note below).

Note: Optiplex sensor L6 functionality is only possible with panel software version 5.00, or above. Optiplex sensors must only be used with LIB software version 9.00, or above.

11.1.5 Modules - AUX Actions

Address	Description	Zone	Type	Action	CBE Rule
1	reception	1	MCP		
2	warehouse 1	1	MCP		
3	warehouse 2	1	SDR		(1) 1,21
4	warehouse 3	1	RLY		(1) 1
5	warehouse 4	17	AUX	PLANT ALARM	
6	warehouse 5	17	AUX	PLANT ALARM	
7	office 1	1	SDR	RESET PANEL	(1)
8	office 2	1	MCP	SILENCE SOUNDERS	
9	office 3	1	MCP	MUTE BUZZER	
10		1	-	CLASS CHANGE	
11		1	-	ABORT SWITCH	
				HOLD SWITCH	
				FIRE BRIGADE CALLED	

The 'Action' field applies to modules of type AUX only. By default, activation of these modules produces a PLANT ALARM. To change the effect, click in the 'Action' field. The current action is highlighted and a down arrow appears. Click on the arrow to view the drop-down menu, highlight the required action, then click to select it. Actions are:

- PLANT ALARM.
- Panel controls (RESET PANEL, SILENCE SOUNDERS, MUTE BUZZER).
- CLASS CHANGE.
- Extinguishant system controls (ABORT SWITCH, HOLD SWITCH).
- FIRE BRIGADE CALLED.

Note: HOLD SWITCH has the effect selected on the Setup Options display (Section 9.3).

Priority Polling - Activation Time


The first 30 modules (from lowest address upwards), *restricted to types MCP, DKM, MRL, IRL, and all AUX actions except Plant Alarm*, are added automatically to a priority poll list. Subsequent modules are polled normally. Auxiliary action inputs must be activated for a sufficient period for the panel to recognise the change. For priority-polled devices, activating the input for 5 seconds should be sufficient.

11.1.6 Modules - CBE Rules

Each Output Module, and some types of Input Modules can be assigned to up to 24 CBE Rules. Up to 64 CBE Rules can be configured. However, if a module is assigned to more than one Rule the range between the maximum and minimum (base) must be 24 or less. The currently-selected base is shown in brackets.

Default assignments are made in accordance with the module type.

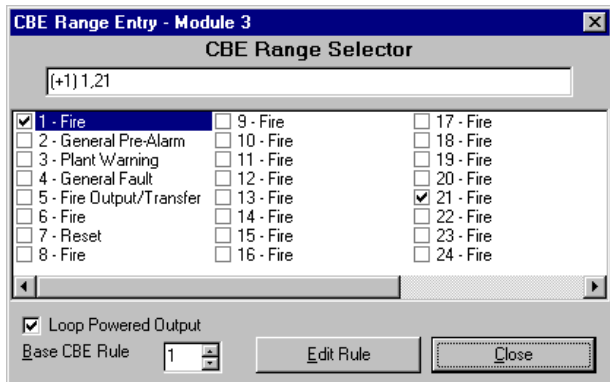
To change the CBE Rule:

- 1 Click within the selected module's CBE Rule field. The current Rule number(s) are highlighted.
- 2 Click the  button (at the right of the field) to display the CBE Range Entry window. (If the Base number is already set, you can also enter the range directly, see *Tip!*).
- 3 Use the spin buttons (or direct number entry) to set the Base CBE Rule number (maximum 41); the window then shows 24 of the 64 Rules, starting with the Base number.
- 4 If activation of the module requires a Loop Booster to operate, check the Loop Powered Output box. A '+' is prefixed to the Base CBE Rule number.
- 5 Check the boxes at the left of those Rules to which the module is to be assigned.

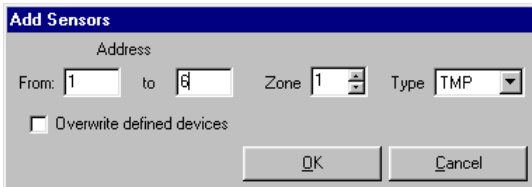
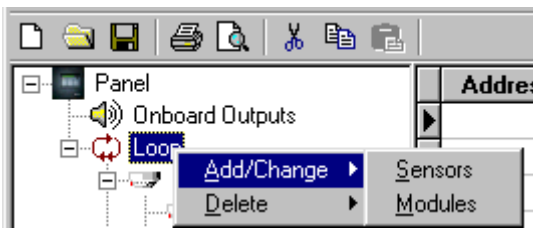
To edit CBE Rules, either double-click a Rule or click the Edit Rule button, then see **Section 12**.

TIP! You can enter a range of CBE Rule numbers directly (bypassing the Range Entry window); e.g. 5-7,9 selects Rules 5, 6, 7, and 9. The entry is not recognised until you click outside of the CBE Rule entry field.

Address	Description	Zone	Type	Action	CBE Rule
1	reception	1	MCP		
2	warehouse 1	1	MCP		
3	warehouse 2	1	SDR		01121
4	warehouse 3	1	RLY		(1) 1
5	warehouse 4	17	AUX	PLANT ALARM	
6	warehouse 5	17	AUX	PLANT ALARM	



11.2 Adding a Range of Devices



In the Connection View area, right click on the 'Loop' icon to display the 'Add/Change' menu. With 'Add/Change' highlighted, the 'Sensors' and 'Modules' options are displayed.

Select either 'Sensors' or 'Modules'. A dialogue window appears with fields for the device addresses, zone number and type details.

Click in the 'From Address' field and use the keyboard numeric keys to enter the lowest address in the range. Click in the 'To Address' field and enter the highest address in the range.

There may already be configured devices within the address range. If the existing configuration data for these devices is to be overwritten, click the 'Overwrite defined devices' check box. Leave this box blank if the existing configuration data for these devices is to be retained.

Use the 'Zone' spin buttons to select the zone number into which the devices will be placed.

Click on the arrow to the right of the 'Type' box and highlight the required type from the displayed list. All added devices will be configured with this type.

When all fields have valid information, the 'OK' button is enabled. Click 'OK' to add the range of devices to the device list.

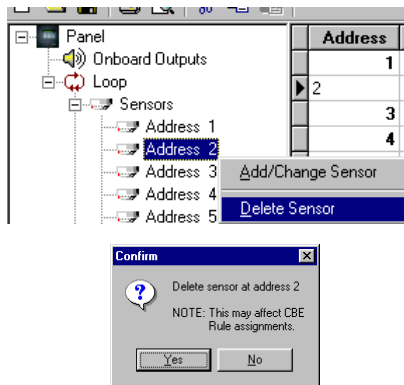
11.3 Deleting Devices

11.3.1 Deleting an Individual Sensor/Module

In the Connection View, right-click on the required individual device icon. A pop-up menu is displayed.

Click on 'Delete Sensor' or 'Delete Module' (depending upon the device type). A Confirm window is displayed.

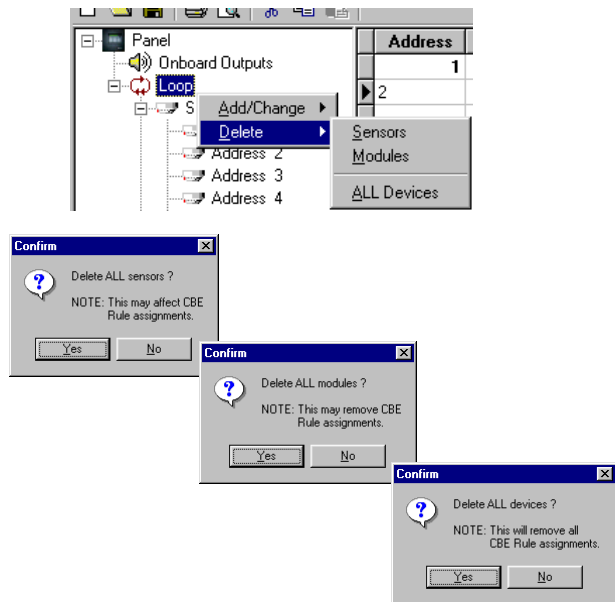
Click on 'Yes'. The device is removed from the device list.



11.3.2 Deleting All Sensors/Modules

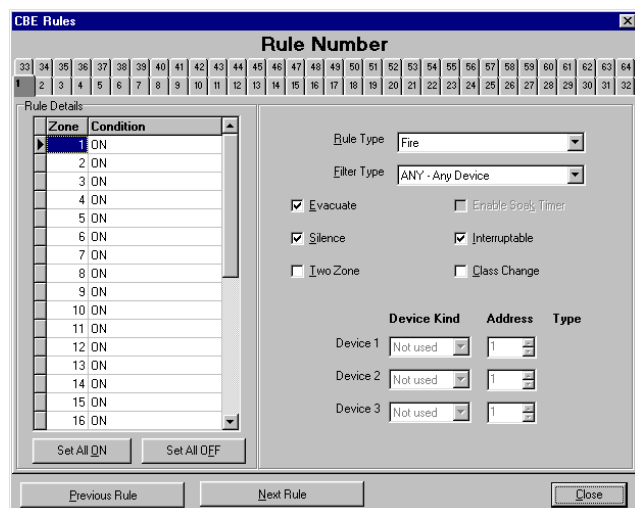
In the Connection View, right-click on the 'Loop' icon. A flyout menu is displayed. Highlight 'Delete' to display the 'Sensors', 'Modules' and 'All Devices' options.

Click on the required 'Delete' option. The appropriate Confirm window is displayed.



Click on 'Yes'. The devices are removed from the device list.

12 Control-by-Event (CBE) Rules



This section applies to both Onboard Outputs (see **Section 10**) and Loop Modules (see **Section 11.1.6**). These are collectively referred to here as outputs (but remember that some types of Input Modules can be associated with the CBE Rules).

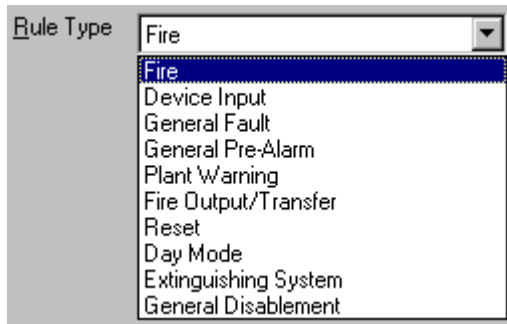
An Onboard Output can have one CBE Rule associated with it; a Module can have up to 24. The Onboard Outputs or Modules controlled by a given Rule are referred to as 'assigned outputs'.

Up to 64 numbered Rules can be defined. The CBE Rules window has 64 tabs located across its top, each of which displays a corresponding Rule. A typical Rule includes the following parameters:

- Rule Type.** This defines the event that must occur (e.g. Fire, General Fault, Plant Warning, etc.) to activate the output. Depending upon this selection, some options may be unavailable (greyed out). See **Section 12.1**.
- Filter-by-Type.** Two filter lists are provided; one is applicable to Fire, Pre-alarm and Fault Rule Types only, and the other to the Extinguishing System Rule Type only. See **Section 12.2**.
- Input Zones.** Applicable to Fire, Plant Warning and Extinguishing System Rule Types only. This defines in which zone(s) the Rule Type event must occur to activate the outputs. For each zone that is included in the Rule, the condition in which the zone will activate can be modified (e.g. a delay occurs, or co-incident alarms are required; the options available depend upon the Rule Type). See **Section 12.3**.
- Control Parameters.** These define the effect on the output of certain panel pushbuttons, or whether a Fire or Plant Warning must occur in two zones simultaneously to activate the output, or whether the Extinguishing System Rule Type will start the extinguishant soak timer. See **Section 12.4**.

If the Rule Type is 'Device Input', up to three devices can be selected as the input. See **Section 12.5**.

To select a different Rule number, click on the appropriate tab or the 'Previous Rule'/'Next Rule' buttons. Each Rule Number displays its current settings. When all edits have been completed, click on the 'Close' button to return to the configuration file.



12.1 Rule Type

The Rule Type drop-down menu allows the user to change the Rule Type. Select the down arrow to display the available types, then highlight the one that is required.

The nine Rule Types have the following effects (may be modified by Control Parameters - see **Section 12.4**):

- a. **Fire** Rule Type. Activates its assigned outputs in response to fire alarms in specified zones (may be modified by Zone Actions - see **Section 12.3**).
- b. **Device Input** Rule Type. Activates its assigned outputs in response to input(s) from one of up to 3 specified devices.
- c. **General Fault** Rule Type. Activates its assigned outputs in response to a general fault condition at the panel.
- d. **General Pre-Alarm** Rule Type. Activates its assigned outputs in response to general pre-alarms.
- e. **Plant Warning** Rule Type. Activates its assigned outputs in response to plant alarms in specified zones (may be modified by Zone Actions - see **Section 12.3**).
- f. **Fire Output/Transfer** Rule Type. Activates its assigned outputs in response to the Fire Output/Transfer relay being operated (i.e. General Fire).
- g. **Reset** Rule Type. Activates its assigned outputs for 5 secs in response to a panel reset.
- h. **Day Mode** Rule Type. Activates its assigned outputs when the panel is operating in Day Mode.
- i. **Extinguishing System** Rule Type. Activates its assigned outputs and reads its assigned inputs in response to fire alarms in specified zones (may be modified by Zone Actions - see **Section 12.3**).
- j. **General Disablement** Rule Type. Activates its assigned outputs in response to general disablements.

By default, Rules 1, 6 and 8-64 are set to Fire, 2 to General Pre-Alarm, 3 to Plant Warning, 4 to General Fault, 5 to Fire Output/Transfer and 7 to Reset. However, **all** Rules can be edited.

FIRE RULE

Filter Type	ANY - Any Device
	ANY - Any Device OTI - Sensors (OPT/TMP/ION/MLT) AVS - VIEW Sensors MCP - Manual Call Points MON - Monitor Modules

PRE-ALARM RULE

Filter Type	ANY - Any Device
	ANY - Any Device OTI - Sensors (OPT/TMP/ION/MLT) AVS - VIEW Sensors

Filter Type	Smoke/Heat
	Smoke/Heat Sensor/MCP VIEW/Sensor Any Two Zones Any Two Sensors Any Single Sensor Any Single Module

12.2 Filter-by-Type

12.2.1 Fire, Pre-Alarm, Fault Rule Types

The assigned outputs are only activated/inputs are only read if the event occurs *in the assigned zone(s)* at the configured type of input device:

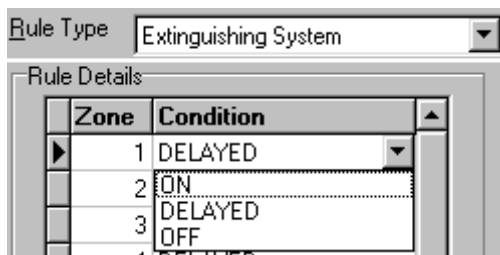
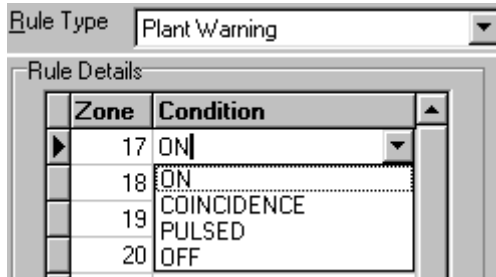
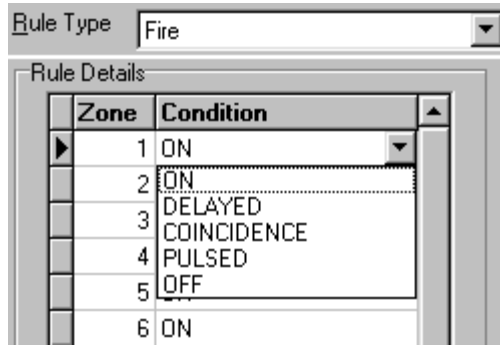
- ANY. Activate irrespective of the type of input device at which the event occurs.
- OTI. Only activate if the input device is an analogue sensor (Optical, Thermal, Ionisation or Multi).
- AVS. Only activate if the input device is a VIEW™ sensor. Applicable only for those panel variants that support VIEW™ (e.g. ID60, NF50).
- MCP. Only activate if the input device is a manual call point (**not** available for Pre-alarm).
- MON. Only activate if the input device is a monitor module (**not** available for Pre-alarm).

12.2.2 Extinguishing System Rule Type

The assigned outputs are only activated/inputs are only read if the selected event occurs *in the assigned zone(s)*:

- One smoke and one heat sensor in alarm.
- One sensor and one MCP **or** ZMX in alarm.
- One VIEW™ sensor and one other type of sensor in alarm (if panel supports VIEW™).
- Any two devices in alarm, but must be in different assigned zones.
- Any two sensors in alarm.
- Any one sensor in alarm.
- Any one module in alarm.

12.3 Zone Actions



For Fire, Plant Warning and Extinguishing System Rule Types it is possible to define which zones are included in the input to the Rule. If a zone is included, its action can be modified - the modifying conditions vary with the Rule Type as shown opposite. The options are:

- ON. The zone is included in the Rule. An alarm in this zone will activate the output immediately in continuous mode.
- DELAYED. The zone is included in the Rule. An alarm in this zone will activate the output, after a delay (see **Section 9.3**), in continuous mode. Not available for Fire Rules if Two Zone is selected. Extinguishing System Rules default to delay. The following does not apply to Extinguishing System Rules: If a Day Mode period is set (see **Section 9.5**), the delays must be activated manually during this period. Also, delays are then NOT active outside of the Day Mode period.
- COINCIDENCE. The zone is included in the Rule. The output will activate immediately in continuous mode when there are two alarms in this zone (one alarm has no effect).
- PULSED. The zone is included in the Rule. An alarm in this zone will activate the output immediately in pulsed mode (see **Section 9.3**). However, the pulsed mode is overridden by a continuous alarm if an alarm occurs in any zone which is included in the Rule and for which PULSED is not selected.
- OFF. The zone is not included in the Rule.

CONTINUED...

Zone Actions (continued)

Click the mouse in the required zone's 'Condition' box and select the required option from the drop-down menu.



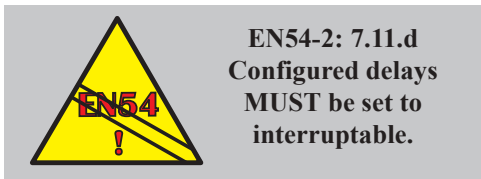
To set ALL zones to ON or OFF, click on the 'Set All ON' or 'Set All OFF' button respectively.

Zones 1 to 16 are configurable when the Rule Type is Fire or Extinguishing System. Zones 17 to 32 are configurable when the Rule Type is Plant Warning.

12.4 Control Parameters

If allowed by the Rule Type, the operation of an output assigned to the Rule can be further defined by Control Parameters. These are selected by check boxes. Options unavailable for the current Rule Type are greyed. The options are:

<input checked="" type="checkbox"/> Evacuate	<input type="checkbox"/> Enable Soak Timer
<input checked="" type="checkbox"/> Silence	<input checked="" type="checkbox"/> Interruptable
<input type="checkbox"/> Two Zone	<input type="checkbox"/> Class Change



- a. **Evacuate.** Activates assigned outputs when the END DELAY/EVACUATE pushbutton is operated at the panel.
- b. **Silence.** Silences assigned outputs when the SILENCE/RESOUND pushbutton is operated at the panel. If this option is not selected, the outputs will only turn off (after being activated) when the panel's RESET pushbutton is operated.
- c. **Interruptable.** Ends any delays when the END DELAY/EVACUATE pushbutton is operated at the panel. If this option is not selected, delays cannot be interrupted except by another qualifying alarm condition that turns the output on.
- d. **Two Zone.** Applies to the Fire and Plant Warning Rule Types only. Restricts assigned outputs such that they do not activate until two of the input zones included in the Rule have detected alarms.
- e. **Class Change.** Activates assigned outputs in conjunction with a configured input via Digital Input 1 (see **Section 9.3**).
- f. **Enable Soak Timer.** Applies to the Extinguishing System Rule Type only. The Rule starts the extinguishing module timer.

12.5 Device Inputs

Rule Type

Filter Type

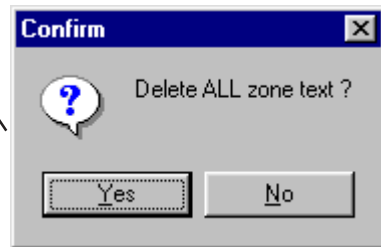
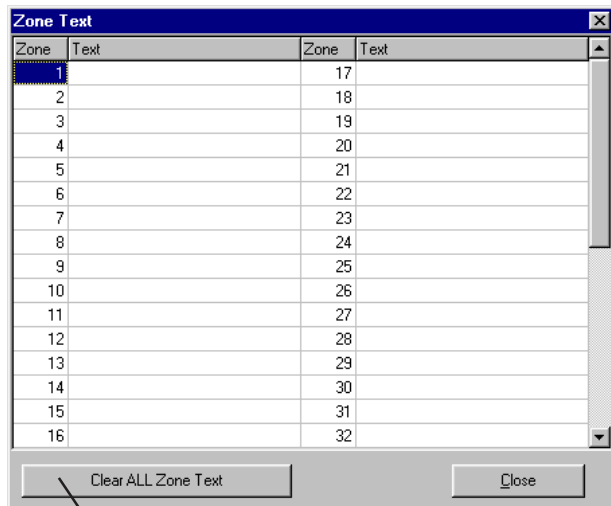
Evacuate Enable Soak Timer
 Silence Interruptable
 Two Zone Class Change

	Device Kind	Address	Type
Device 1	<input type="text" value="Sensor"/>	<input type="text" value="5"/>	TMP
Device 2	<input type="text" value="Sensor"/>	<input type="text" value="21"/>	ION
Device 3	<input type="text" value="Module"/>	<input type="text" value="4"/>	MCP

If the Rule Type is Device Input, the assigned outputs are activated when the input from one of up to three pre-defined input devices becomes active. For each device:

- 1 Click on the arrow to the right of the 'Device Kind' box to display the device type options: Sensor, Module or Not Used. The latter option allows fewer than three devices to be included in the Rule. Highlight to select the appropriate option.
- 2 Use the spin controls to the right of the 'Address' box to select the Sensor or Module address. Only those addresses already configured on the loop (see **Section 11**) are available. The device type is displayed but this is not editable.

13 Zone Text

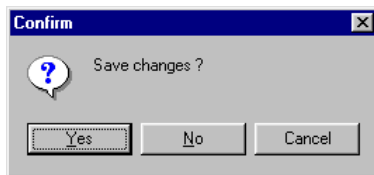
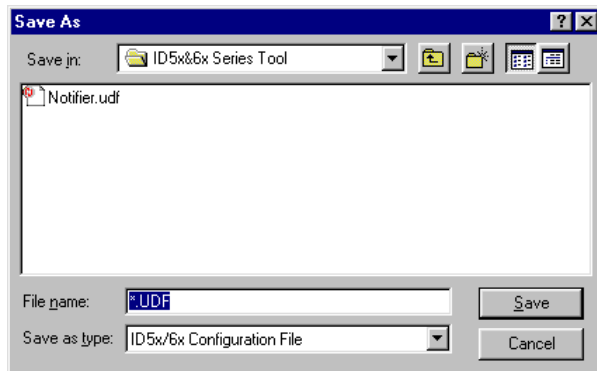
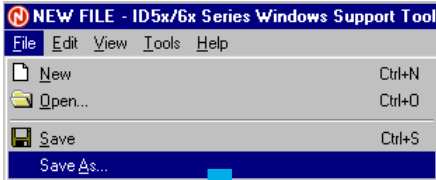
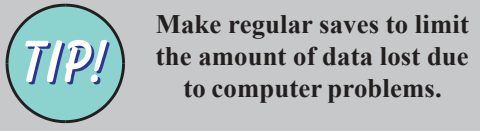


Display the Zone Text window either from the View menu, or by right-clicking the panel icon in the Connection View and selecting 'Edit / Zone Text' from the pop-up menu.

All 32 zones are listed in an uneditable 'Zone' field. Click in the 'Text' field to the right of the zone and enter the zone name (maximum 20 characters). Any existing text is highlighted and can be overwritten, or can be deleted by pressing the <delete> key. When all edits are complete, click on the 'Close' button.

To clear all zone text in the Zone Text window,:

- 1 Click on the 'Clear All Zone Text' button. A Confirm window is displayed.
- 2 Click on 'Yes'. All zone text fields become blank.



14 Saving a Configuration File

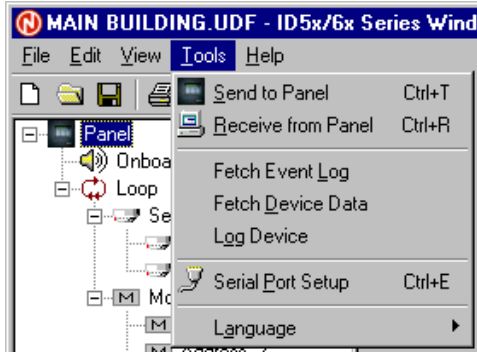
To store a configuration file, use one of the following methods:

- SAVE.** Saves an updated file with existing name and location. To Save, click the 'Save' button on the Command Tool bar or select the 'Save' option in the 'File' menu.
- SAVE AS.** Saves a new or updated file, with new name and/or location. To Save As, select the 'Save As' option in the 'File' menu.

Use the standard Windows® navigation tools to select the required directory. Enter the required file name and click on the 'Save' button. The configuration file is automatically given the extension '.udf'.

Save changes dialogue window

Closing a file which has unsaved changes automatically displays the 'Save changes' Confirm window. Click on the 'Yes' button. If the file already has a name, the changes are saved to disk, otherwise the 'Save As' window is displayed to allow a name to be entered.



15 Communications with the Panel

Configuration data can be sent to or received from the panel. Before any data is sent to the panel, the panel's memory lock jumper (see panel manual) must be set open. When the data has been successfully transferred, the jumper must be closed. It can remain closed while data is received from the panel.

Configuration Transfer

To transfer data, the Data Transfer Lead must be connected between the PC and the panel. Ensure the lead is connected to the correct COM port. If this cable is not connected, the window shown at left is displayed.

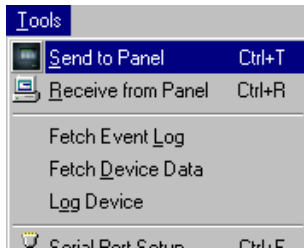
Ten attempts are made to connect the PC and panel. To abort these attempts, click on the 'Abort' button.

After the tenth attempt at making a connection, the display changes to that shown at left. Either:

- Fit the Data Transfer Lead and then click on the 'Retry' button, in which case ten more attempts are made to connect the PC and panel, or
- Click on the 'Abort' button to end the connection process.

15.1 Send Data to Panel

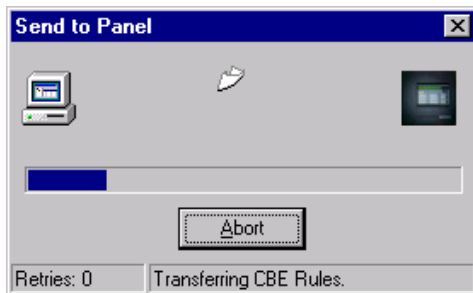
Ensure the panel's memory lock is open (see panel manual), then select the Tools menu and click on the 'Send to Panel' option. The 'Configuration Transfer' window prompts for a passcode.



Issue 1 of the panel software is not passcode protected.

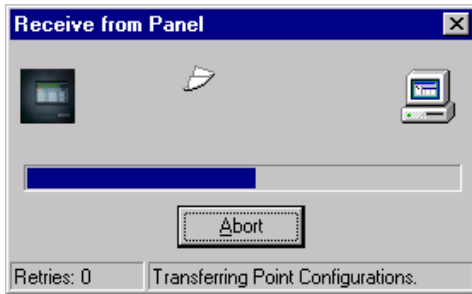
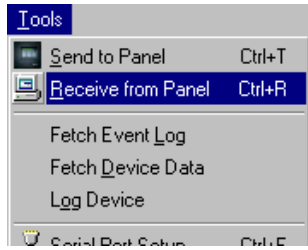


Click in the 'Passcode' box and use the numeric keys to enter the level 3 numeric code. Click on the 'Start Transfer' button to send the data. The 'Send to Panel' window is displayed.



The progress of the data transfer is shown by a bar and by a message. The number of attempts to complete the transfer is also displayed. An 'Abort' button is provided - see **Section 15.3**, which has important information regarding use of 'Abort' while sending data.

When the data transfer is complete, the Configuration Template View is displayed.



15.2 Receive Data from Panel

From the Tools drop-down menu, select the 'Receive from Panel' option. When the PC is receiving data from the panel, the 'Receive from Panel' window is displayed.

The progress of the data transfer is shown by a bar and by a message. The number of attempts to complete the transfer is also displayed. An 'Abort' button is provided - see **Section 15.3**.

When the data transfer is complete, the Configuration Template View is displayed.

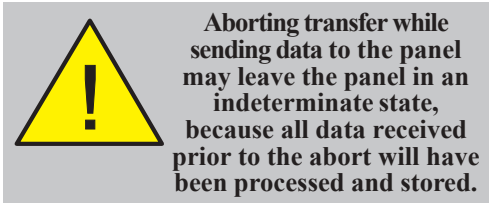
It is also possible to receive the event log or device data, and to view device data in real time. Refer to **Section 5.4**.

Communications Failure

If there is a communications failure, e.g. the Data Transfer Lead becomes disconnected, the PC makes 10 attempts to receive the data. After the tenth attempt, the window shown at left is displayed.

To continue with attempts to receive the data, i.e. if you are going to reconnect the Data Transfer Lead, click on the 'OK' button. The prompt is re-displayed after every 10th attempt to receive the data. To stop attempting to receive data, click on the 'Abort' button.

15.3 Abort Transfer

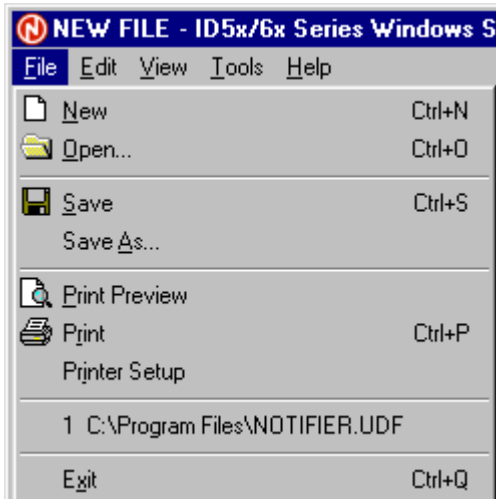


If the 'Abort' button is operated on the 'Send to Panel' window or 'Receive from Panel' window while a data transfer is in progress, the 'Abort Transfer' prompt is displayed.

To stop the data transfer, click on the 'Yes' button. Complete configuration file sections already sent to the panel will be saved and updated in the panel (see warning opposite).

To continue with the data transfer, click on the 'No' button.

16 Printing



The following options are provided:

- a. Print Preview. Used to ensure that the selected pages will print correctly. See **Section 16.1**.
- b. Print. Used to print the selected pages. See **Section 16.2**.
- c. Printer Setup. Used to configure the printer. See **Section 16.3**.

Note: These options are not available if there are no printers installed on your PC.

All these options can be accessed from the 'File' drop-down menu. The 'Print Preview' and 'Print' options can also be accessed directly from icons on the Command bar (see **Section 6**).

16.1 Print Preview

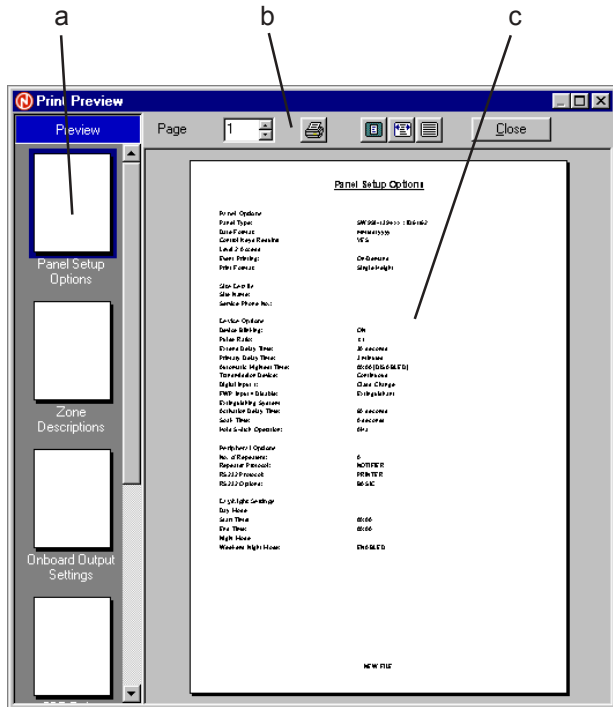
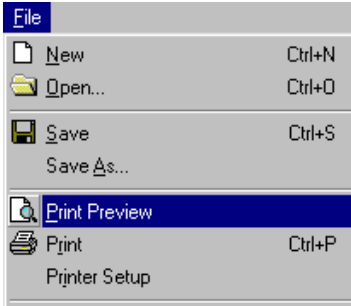
This option displays the Print Preview window. The window is divided into three areas:

- Navigation Pane.
- Command Bar.
- Preview Page view.

Navigation Pane

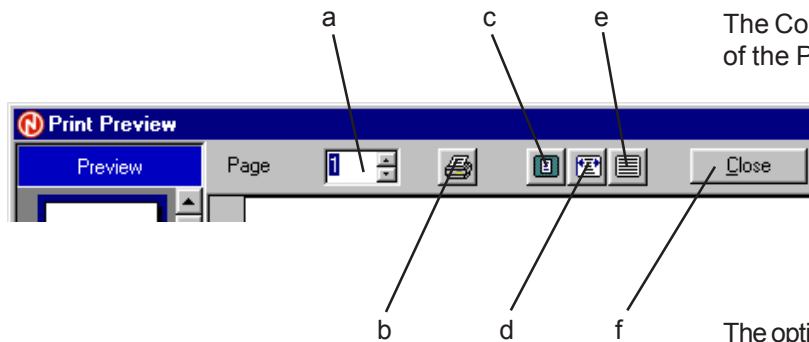
The Navigation Pane is displayed down the left-hand side of the Print Preview window. It is used to select the data that appears in the Preview Page view. To view printable data, click on the relevant thumbnail (each is sub-titled) in the Navigation Pane; the selected thumbnail outline is emboldened.

To select the data for printing via the print icon, click on the corresponding thumbnail. If further thumbnails exist above or below those currently displayed, use the up/down arrows or slider bar to view them.



Print Preview (continued)**Command Bar**

The Command Bar is displayed across the top of the Print Preview window.



The options available from the Command bar are:

- a. Page Selector. Use the spin controls to select page 1 or 2 (if applicable) of the current view selected by the thumbnails.
- b. Print button. Click to print the page(s) associated with the current view.
- c. Zoom to Fit button. Click to resize the page to fit the entire area within the Preview Page view.
- d. Zoom to Width button. Click to resize the page to fit the width of the area within the Preview Page view; part of the page may then be hidden.
- e. Maximise Preview button. Click to resize the Print Preview window to fit the PC's screen. Second operation returns the Print Preview window to its original size.
- f. Close button. Click to exit from the Print Preview window.

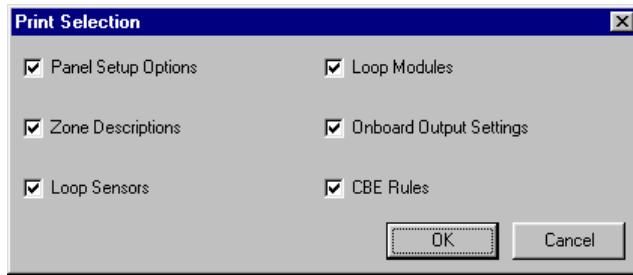
Print Preview (continued)

Preview Page View

The Preview Page view displays the page selected from the Navigation Pane.

Panel Setup Options	
Panel Options	
Panel Type	SN 553-1 55-xx . DB1 02
Date Format	mm/dd/yyyy
Control Keys Required	YES
Level 2 Access	On-Demand
Event Printing	Single Night
Print Format	
Site Details	
Site Name	
Service Phone No.	
Device Options	
Device Blinking	ON
Pulse Rate	1.1
Extend Delay Time	30 seconds
Priority Delay Time	3 minutes
Automatic High/Low Time	00:00 (DISABLED)
Remission Device	Continuous
Digital Input 1	Gas Change
FWP Input 4 Enable	Extinguisher
Extinguishing System	
Activation Delay Time	30 seconds
Soak Time	0 seconds
Hold Switch Operation	AHJ
Peripheral Options	
No. of Repetitions	0
Repetitive Protocol	NOFFER
RS232 Protocol	PRINTER
RS232 Options	BASIC
Day/Night Settings	
Day Mode	
Start Time	00:00
End Time	00:00
Night Mode	
Weekend Night Mode	ENABLED

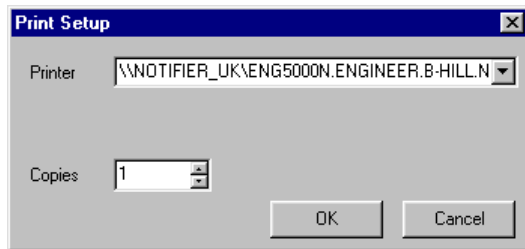
16.2 Print



This menu option displays the Print Selection window (note that this option does not have the same effect as using the Print icon on the Print Preview Command Bar).

The window has one check box for each printable view. Check each view that is to be printed, then click the 'OK' button to print the checked views. By default, all boxes are checked.

16.3 Printer Setup



This option displays the Print Setup window.

Click on the arrow at the right-hand side of the 'Printer' box to display a drop-down list of available printers (if more than one is available). Highlight and click on the required printer.

Use the spin buttons to display the required number of copies in the 'Copies' box.

Click the 'OK' button to accept this setup.