NOTIFIER®

by Honeywell

COMPACT & IDR-M MIMICS

off-line
configuration
manual

997-419 Version 3.02c January 2006

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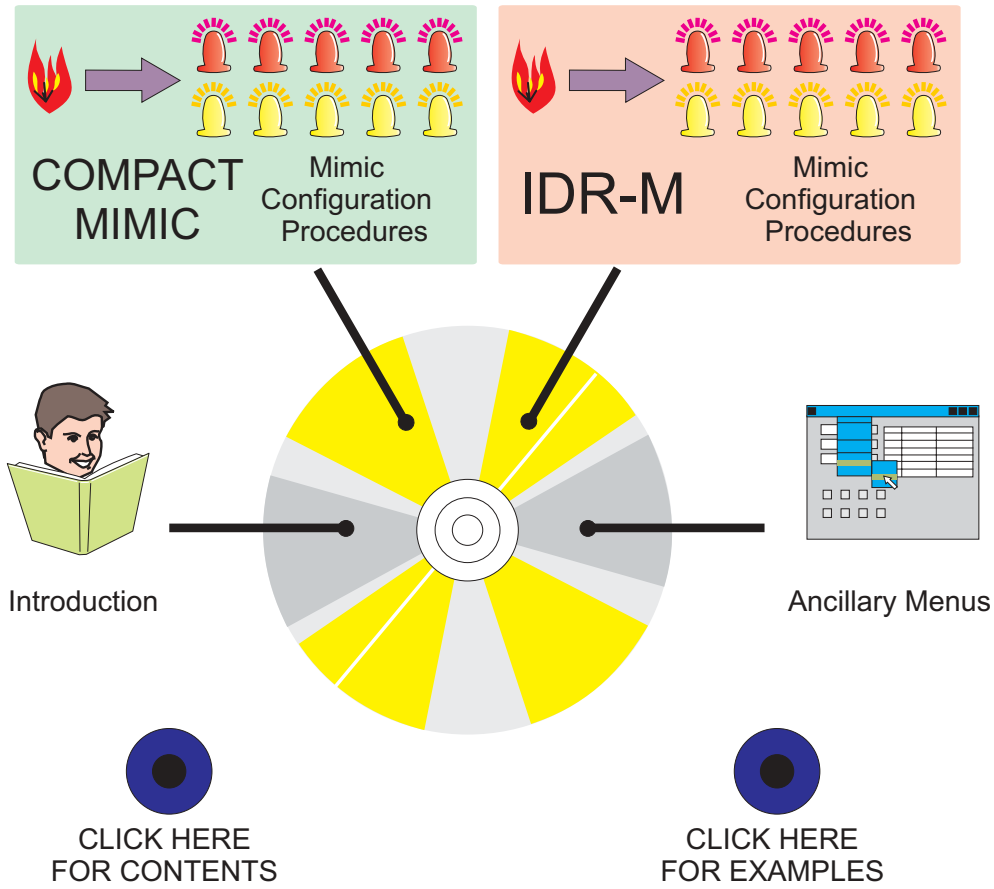
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1 Introduction

The Compact & IDR-M Mimics Configuration Tool allows the user to:

a. Configure various operating parameters for a Compact or IDR-M Mimic.

b. Configure a set of rules that determine when outputs on the Mimic become active.

Throughout this manual the Compact & IDR-M Mimics Configuration Tool is referred to as 'the Tool'.

The Tool uses standard Windows methods to run, open and close files, select options etc.

Be aware that ...

This manual is not intended to be a system design guide. It should only be used by (or under the supervision of) a qualified system design engineer familiar with all relevant codes of practice.

1.1 PC Specification

The minimum specification for the PC is:

a. Pentium Class Processor.

b. Windows 9x with 16MB memory, or Windows 2000/NT with 32MB memory.

c. 35MB disk space available.

d. CD-ROM.

e. SVGA 800 x 600 colour display.

The Compact Mimic is not suitable for use with the ID²net network.

Cross-references (in bold type) in this manual include links. For example, click on (see Section 3) to go to that Section.

Introduction

1.2 Installation

To install the Tool, run the CD. The Tool will auto-install. Follow the on-screen prompts.

Note: If the Tool does not auto-install, refer to the readme file on the CD.

1.3 Connection of a PC

1 Connect the PC to the RS232 connector:

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

b. **Compact Mimic**. Use cable PN: 795-080.

2 Place a link across the Program Enable (PE) connector.

3 Press and release the reset switch.

When the configuration process is complete, disconnect the PE link, then press and release the reset switch again.

Introduction
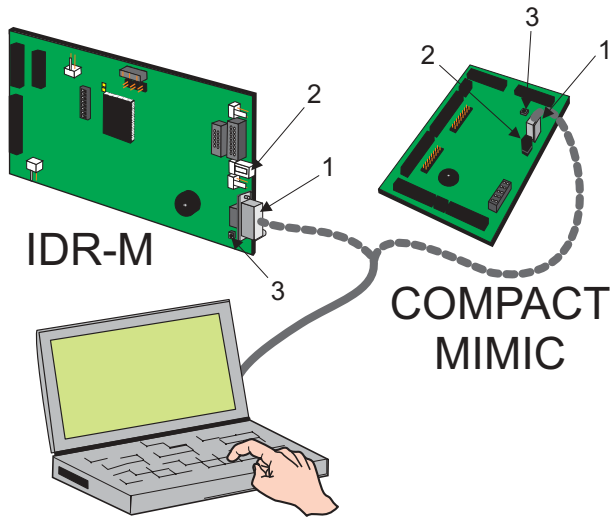
1.4 Configuration Options - Definitions

There are four sets of options, each accessed via a tab on the Tool window:

a. Controller configuration options.

b. Board Rule configuration options.

c. Zonal Rule configuration options.

d. Device/Event Rule configuration options.

1.4.1 Controller Configuration Options

You can set the model (IDR-M or Compact), System (panel type), address, buzzer operating mode and unit name.

1.4.2 Board Rule Configuration Options

With this option:

a. **IDR-M**. Each Driver Board can drive up to 64 outputs (LEDs or relays) via up to two Termination Boards. You can set a rule for each Driver Board to relate its outputs to either 64 contiguously-numbered zones (all outputs indicate fire), or 32 contiguously-numbered zones (32 outputs indicate fire and 32 indicate fault/disablement/test).

b. **Compact**. You can set a rule for each Board (Main and up to nine Expansion) to relate its outputs to either 16 contiguously-numbered zones (all outputs indicate fire), or 8 contiguously-numbered zones (8 outputs indicate fire and 8 indicate fault/disablement/test).

Introduction
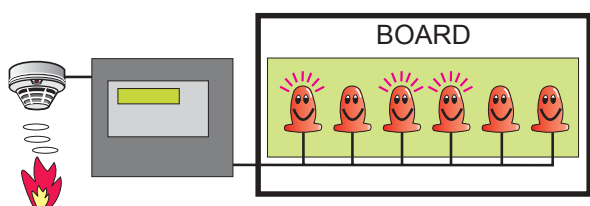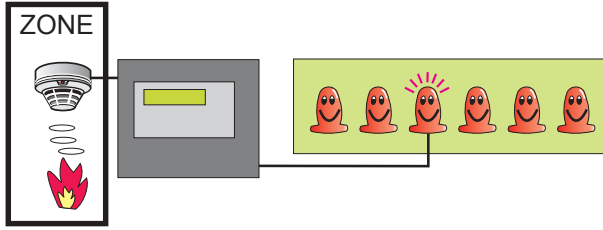
ZONE

DEVICE/EVENT

1.4.3 Zonal Rule Configuration Options

You can configure rules to activate individual outputs in response to a fire, a fault, a disablement, or a test, in a specified range of network or panel zones (can be a single zone).
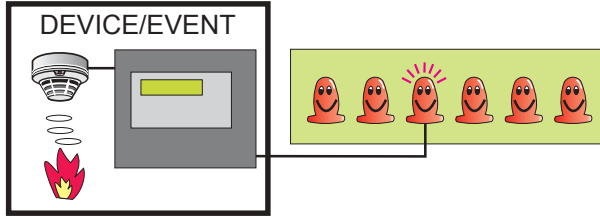
1.4.4 Device/Event Rule Configuration Options

You can configure rules to activate individual outputs in response to device or panel events, which may be either:

a. Non-zone Events. These events may be specified panel(s)/loop(s)/address(es) device type in alarm, or may be non-alarm events or Virtual Input Points.

b. Network Zone Events. These events may be specified zone(s)/reference(s)/device type in alarm, or may be non-alarm events.

> **Note: IDR-M Mimic only**. The Zonal and Device/Event Rules can each be configured to activate EITHER one of the 64 output channels (LED or Relay) driven (via an IDR-M Mimic Driver Board) from **Termination Boards**, OR one of eight Relay outputs driven directly by the **Driver Board**.

Introduction

2 Compact Mimic Configuration Procedures

Controller | Board Rule | Zonal Rule | Device/Event Rule |

The Controller and Board/Zonal/Event Rule configuration displays are accessed by clicking on the corresponding tabs in the Tool window.

Only the Controller tab is displayed until the type of controller has been set.

The activation of an output may be controlled by more than one rule.

The configuration is then sent to the Compact Mimic by means of an option provided at the Connect menu on the Tool window.

Note: After a configuration has been sent to the Compact Mimic, only those LEDs included in a rule are illuminated during a lamp test.

Compact Mimic Configuration

2.1 Controller Tab
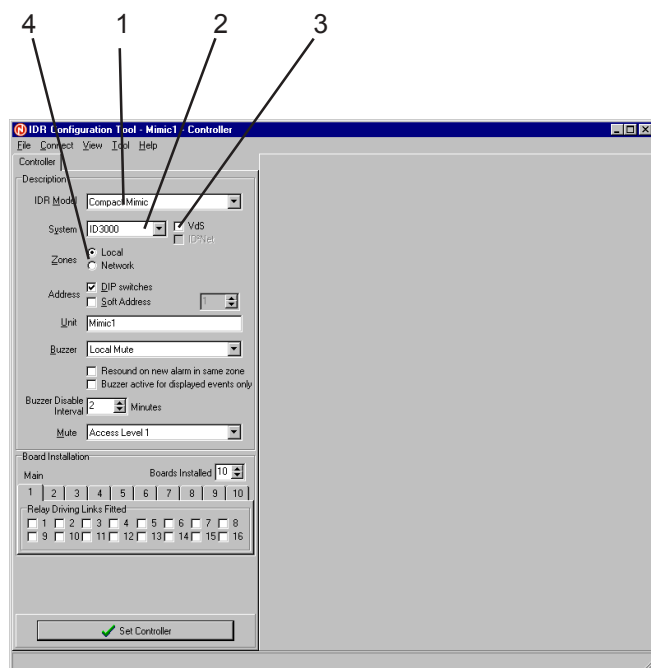
1 Select Compact Mimic from the pull-down list.

2 Select the System from the drop-down list. The Tool uses this selection to control:

a. The maximum Compact Mimic soft address that may be set (see step 5).

b. The maximum Panel Number that may be set (all Rules).

c. The maximum Last Zone number that can be set for a Local Zone (Board/Zonal Rules).

d. The maximum Specific Loop number that can be set for a Non-Zone Event (Event Rule).

e. Whether the Network Zone numbering option is available in addition to the Local Zone numbering (all Rules).

3 Check this box if VdS mode is required. Any switches connected to the Main Board then function in accordance with VdS requirements.

Note: The ID^{2}net box is not applicable to the Compact Mimic and is always greyed out.

4 Check either:

a. Local (uses panel's zone numbers).

b. Network. Only selectable for systems that support network zone numbering.

Compact Mimic Configuration
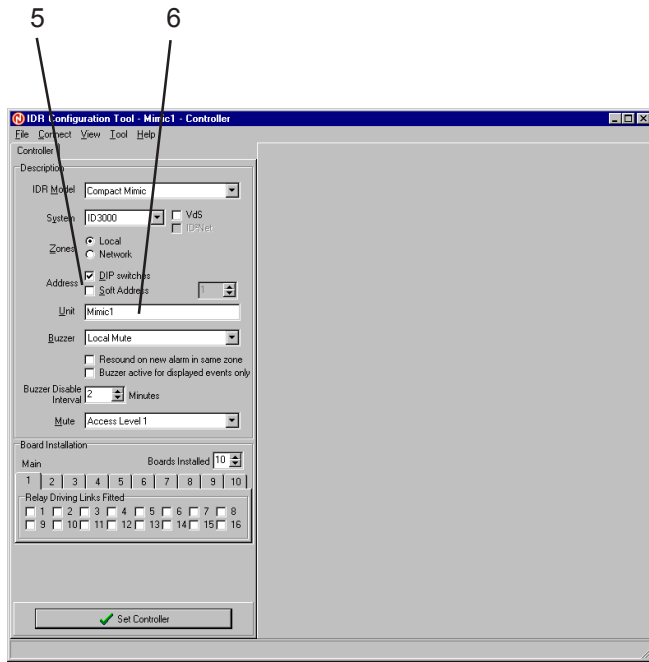
5 Check either:

a. DIP Switches. The Compact Mimic address is then determined by hardware switches on the Main Board.

b. Soft Address. Use the spin controls to set the required Compact Mimic soft address in the box (but see note). Address 0 is for test and commissioning use only.

Note: To use a Soft Address, hardware DIP switches 1 to 5 must be set to 0 (off). The Soft Address then overwrites hardware address 0. To override the Soft Address, set an address on the DIP switches. To re-obtain hardware address 0, set DIP switches 1 to 5 to 1 (on).

6 The displayed default unit name is used as the configuration filename (shown on the top line of the Tool window). The name can be edited here, **but must be edited at the Save window to affect the filename**. It is recommended that this name be that of the Compact Mimic being configured.

Compact Mimic Configuration
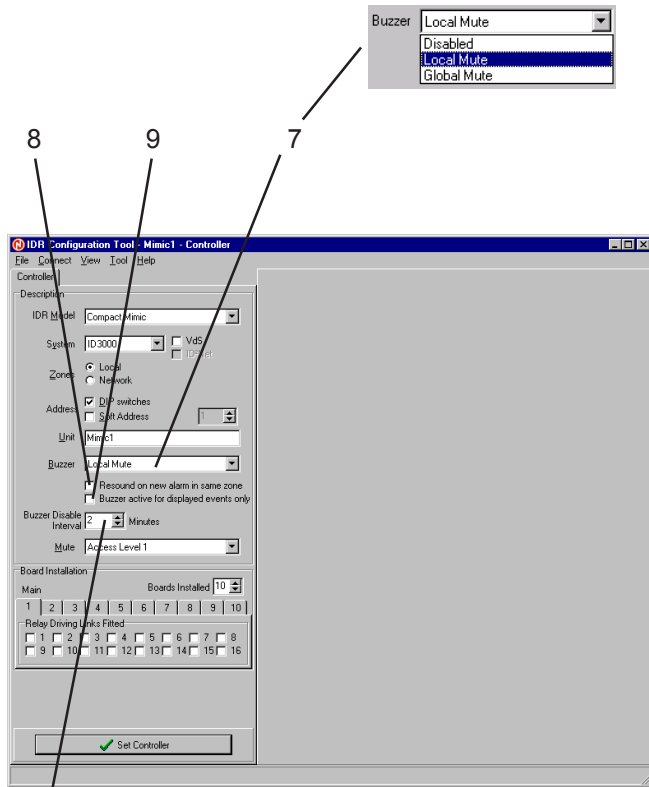
7 Set the effect of MUTE BUZZER:

a. Disabled. The buzzer makes no sound and MUTE BUZZER has no effect. This is the default condition.

b. Local Mute. The local buzzer is silenced when MUTE BUZZER is operated.

c. Global Mute. MUTE BUZZER and ACCEPT commands are transmitted across the network.

Note: MUTE BUZZER is a configurable pushbutton. Refer to the manual supplied with the Compact Mimic.

8 Check this box if the buzzer is to resound when there is a new alarm in the same zone (always resounds if new alarm is in new zone).

Note: ID50 panel only. This setting **must** match the panel setting, otherwise MUTE BUZZER does not work correctly.

9 Applies only to configured Compact Mimic (i.e. when Compact Mimic not left at default):

a. Checked. For fire and fault events, buzzer sounds only if the event activates an LED or relay on the Compact Mimic. For other events, buzzer operation is normal.

b. Unchecked. Buzzer operation is normal.

10 Set the required buzzer time interval during diablement, range 2 to 120 minutes.

Compact Mimic Configuration
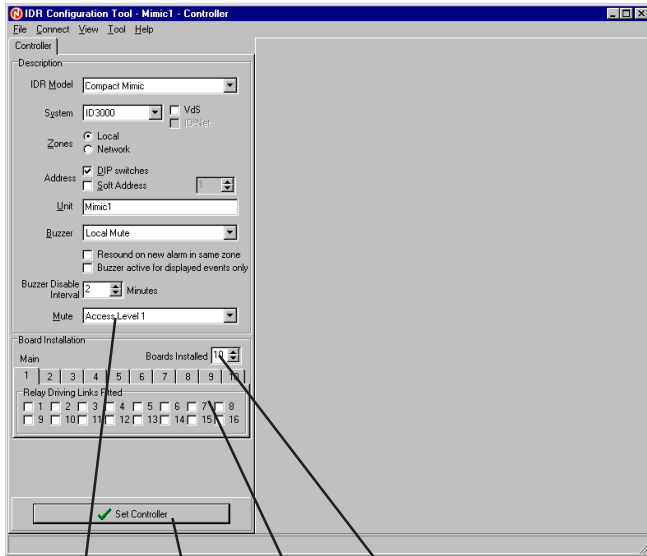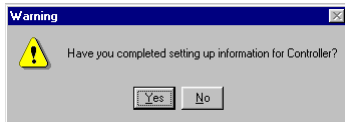
11 Select the required level at which Mute Buzzer can be operated, either level 1 or level 2 (latter requires keyswitch).

12 Select the number of Compact Mimic boards installed on the system (Board 1 is 'Main', Board 2 is the first 'Expansion' board and so on). The number of 'Relay Driving Links Fitted' tabs then corresponds to this number.

13 For each Board, select which outputs are relays and which are LEDs.

> ⚠ **All outputs which are connected to relays MUST be set to Relay Links 'Fitted'.**

14 When **all** the preceding steps have been completed and checked, select 'Set Controller', then **if you are sure**, select 'Yes' at the prompt. The remaining tabs become available and the 'Set Controller' button is greyed. **After this the IDR Model, the System, and the VdS and Zone boxes are greyed and cannot be changed. Also, existing rules are not updated if the relay/LED links selection is changed.**

Note: All subsequent Rule selections are made with respect to the settings selected on the Controller tab.

Compact Mimic Configuration

Remember - the Rule will
apply to all outputs,
whether LED or Relay

2   1

2.2   Board Rule Tab

A Board Rule consists of an input statement and an output statement, both of which have a number of parameters. Each rule defines the action of EITHER:

a. All 16 outputs that are driven by one Board, in response to fire events in a range of 16 contiguously-numbered zones

OR

b. 8 of these outputs in response to fire events and the remaining 8 outputs in response to fault/test/disablement events in a range of 8 contiguously-numbered zones.

1   The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options. Refer to **Section 2.2.1** for further information.

2   Indicates the zone type set on the Controller tab. If 'Local Zone' is selected and the panel is on a network, use the Panel number box to select which panel's zones are to be used.

Compact Mimic Configuration

Compact Mimic Configuration
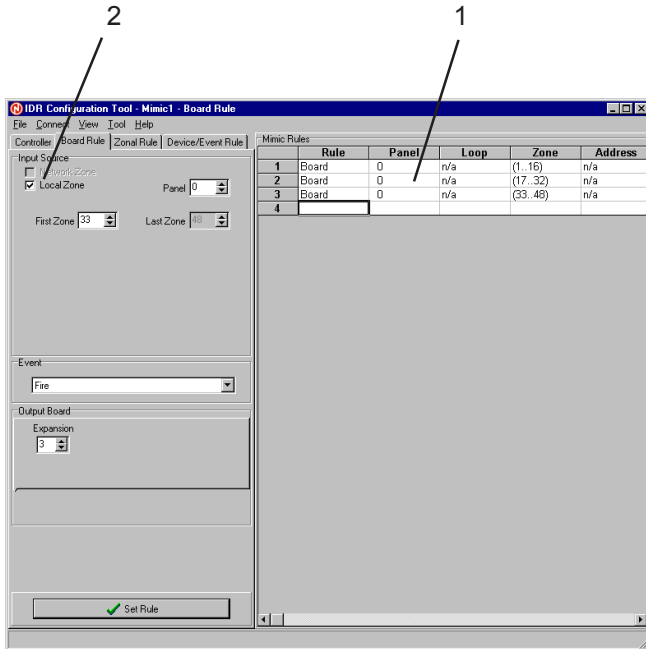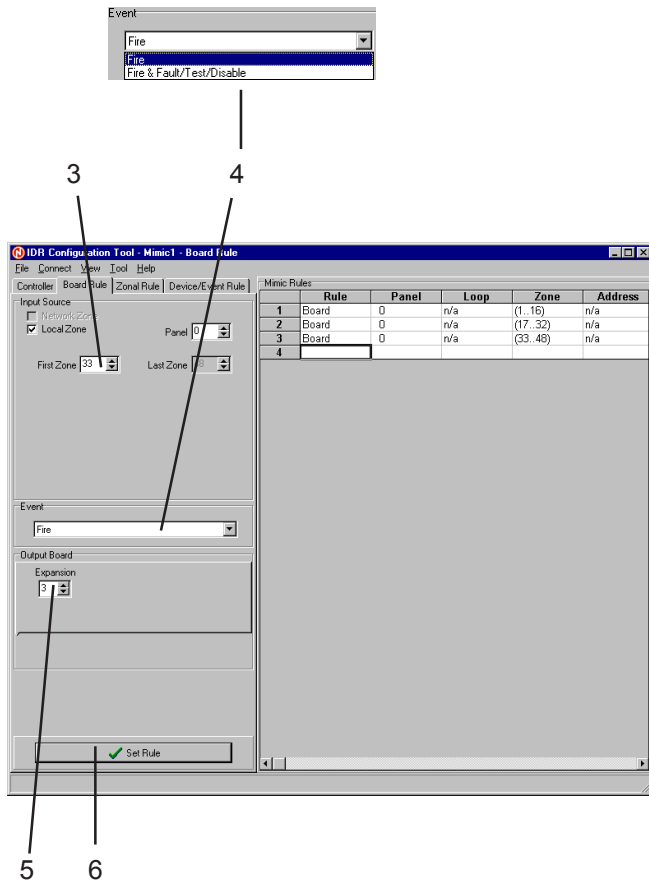
3 Set the first zone number. The last zone number is set automatically, dependent upon the first zone number and the Indication Type (see step 4). The maximum last zone number is also dependent upon the System selected on the Controller tab.

4 From the drop-down list, select either:

a. Fire Only. 16 outputs will then indicate fire events in 16 contiguously-numbered zones.

b. Fire & Fault/Test/Disable. 8 outputs (odd numbered) will indicate fire events and 8 outputs (even numbered) indicate fault/disablement/test events in 8 contiguously-numbered zones.

5 Select the Board number (from 1 up to a maximum of 10, depending upon the Boards set on the Controller tab) on which the outputs are located. Board 1 is the Main Board, Board 2 is the first Expansion Board and so on.

6 Select Set Rule to enter the displayed data. If the Rule is new, an additional row is displayed. To clear a Rule, use the Delete option (see **Section 2.2.1**).

2.2.1 Spreadsheet

Mimic Rules

	Rule	Panel	Loop	Zone	Address	Device	Event	O
1	Board	0	n/a	(1..16)	n/a	n/a	Fire	Board 1
2	Board	0	n/a	(17..32)	n/a	n/a	Fire	Board 2
3	Zonal	0	n/a	30	n/a	n/a	Fire	Board 1, Ou
4	Event (Local)	Any panel	n/a	n/a	Any address	Any sensor	Fire	Board 1, Ou
5								

Autosize
Cut
Copy
Paste
Delete
Reset

Each row of the spreadsheet defines one rule. The row is divided into a number of columns (see next page), each of which displays one component of the rule. Some columns are only applicable to some rule types.

To select the row, left-click the mouse on the Rule number. The row is then highlighted and the tab corresponding to the rule type is displayed automatically with its various boxes and menus set at the values applicable to the rule.

Use the scroll bar at the right of the spreadsheet to scroll through the rows. Use the scroll bar at the bottom of the spreadsheet to scroll through the columns.

If a row is highlighted when SET RULE is selected, you are prompted to confirm that the rule is to be overwritten.

Right-click on the Rule to display a menu. Autosize is always available. If the row is highlighted, all the menu options are available except for Paste, which is only available after a Cut or Copy operation. The options are:

a. Autosize. Sizes all columns so that all of the text is visible.

b. Cut. Removes the rule from the spreadsheet and places it on the PC's clipboard.

c. Copy. Copies the rule to the PC's spreadsheet.

Autosize
Cut
Copy
Paste
Delete
Reset

Compact Mimic Configuration

d. Paste. Pastes the rule into the currently-selected row. Subsequent rules move one row down the spreadsheet. If the row is not empty, a confirmation prompt is displayed.

e. Delete. Deletes the currently-selected rule. You are prompted to confirm the deletion. The rule is removed and any rules below it move up by one row.

f. Reset. All columns display 'Invalid' but the row remains present and subsequent rules do not move up.

The columns are:

a. Rule. Shows the rule type (e.g. Board).

b. Panel. Shows the panel number or 'Any'.

c. Loop. Shows the loop number or 'Any' or 'Virtual'.

d. Zone. Shows the zone number, range or 'Any'.

e. Address. Shows the address, reference or Virtual Input Point number, or 'Any'.

f. Device. Shows Module or Sensor (or Any Module or Any Sensor).

g. Event. As selected for Event rules.

h. Output. Shows board number (1 is Main Board, 2 is first Expansion Board and so on).

i. Channel. Shows output LED(s) or relay numbers and whether LED is steady. Also shows <OFF> if the modifier is set.

'n/a' is shown if the column is not applicable to this rule.

2.3 Zonal Rule Tab

A Zonal Rule consists of an input statement and an output statement, both of which have a number of parameters. Each rule defines the action of an individual output in response to zonal fire, fault, test or disablement events.
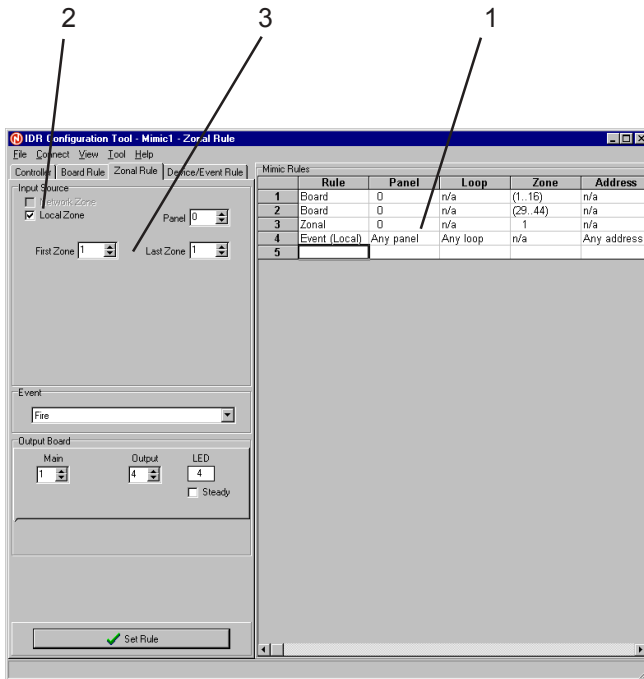
1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 2.2.1**).

2 Indicates the zone type set on the Controller tab. If 'Local Zone' is selected and the panel is on a network, use the Panel number box to select which panel's zones are to be used.

3 Set the first and last zone numbers to be included in the rule. If the input to this rule consists of one zone only, the final zone number must be the same as the first zone number. The zone numbers that are available are dependent upon the Indication Type (see step 2) and the System selected on the Controller tab.
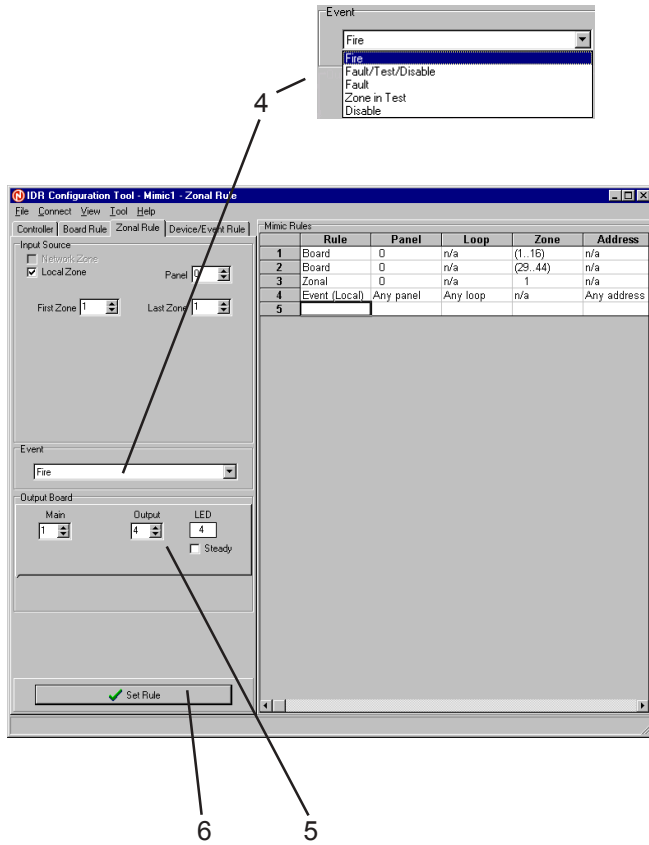
Compact Mimic Configuration

4 From the drop-down list, select one of:

a. Fire, if the input is to be a zonal fire alarm.

b. Fault/Test/Disable, if the input is to be any of these other zonal events.

c. Fault, if the input is to be a zonal fault.

d. Zone in Test, if the input is to be a zonal test.

e. Disable, if the input is to be a full zonal disablement (use Event Disable Rule for partial zonal disablement, see **Section 2.4.1**).

5 Select the Board number (1 is the Main Board, 2 upwards are Expansion Boards to the maximum selected on the Controller tab) and the Output (one of up to 16 outputs wired to the connector). The specific output number (max. 80) driven by the Board/ Output combination is shown in the display box, which is labelled either LED or Relay depending upon the Relay Link settings on the Controller tab. For LEDs only, there is a 'Steady' box; check the box if LEDs are to be steady until the alarm is accepted, or leave unchecked if they are to flash.

6 Select Set Rule to enter the displayed data. If the Rule is new, an additional row is displayed. To clear a Rule, use the Delete option (see **Section 2.2.1**).

Compact Mimic Configuration

2.4 Device/Event Rule Tab

2.4.1 Events
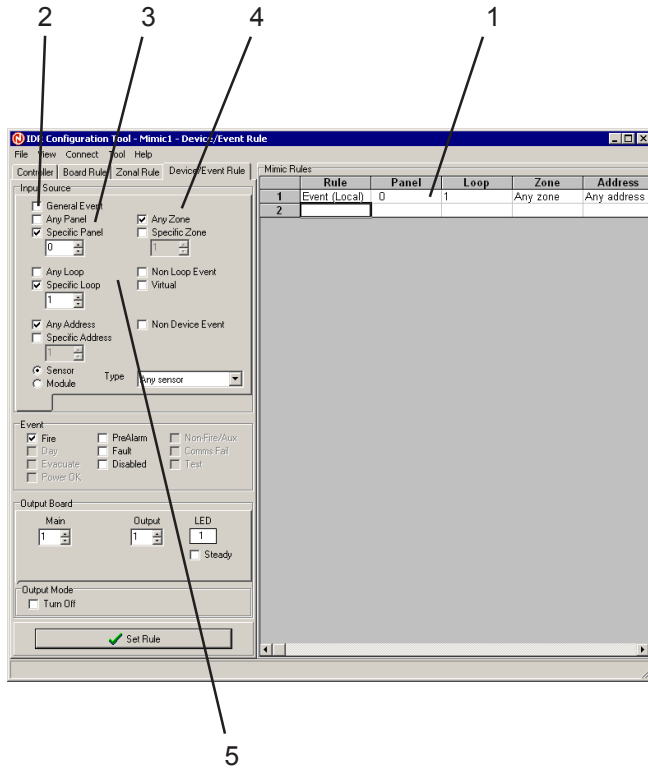
An Event Rule consists of an input statement and an output statement, both of which have a number of parameters. Tabs part way down this display select either miscellaneous (blank tab) or **Network Zone Event** Rules. Each miscellaneous rule defines the action of an individual output/auxiliary in response to specified events.

1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 2.2.1**).

2 Select whether the event is general (fire/fault/disable/test/power OK) or otherwise.

3 Check either:

a. Any Panel. All panels are included in the input statement.

b. Specific Panel (only available for systems for which panels can be networked). Only the selected panel is included.

4 Select Any Zone or a Specific Zone.

5 Select one of 'Non-Loop Event', 'Any Loop', 'Specific Loop' or 'Virtual' - if 'Specific Loop' is chosen, use the Loop Number box to select which loop's events are to be used. 'Specific Loop' and 'Virtual' are not available if 'Any Panel' is selected in step 3.

Compact Mimic Configuration

7   6

10   11   9   8

6 If 'Any Loop' or 'Specific Loop' is selected in step 5, select one of 'Non-Device Event', 'Any Address' or 'Specific Address' - if the latter, use the Address Number box to select which address's events are to be used. If 'Non Loop Event' is selected in step 5, these options are not displayed. 'Specific Address' is not available if 'Any Loop' is selected in step 5. If 'Virtual' is selected in step 5, either check 'Any Address' or use the Address Number box to select a specific Virtual Input Point.

7 Use the radio buttons to select either 'Sensor' or 'Module', then select the required sensor or module (or 'Any') from the drop-down list. This option is not displayed if 'Non-Device Event' is chosen in step 6. The list is greyed out if 'Specific Address' is chosen (you still need to identify whether the device is a sensor or module).

8 Check the input Event(s) that are to activate the output. Only those events applicable to the selected event source (non-loop, virtual, non-device, sensor or module) are available, the remainder are greyed out.

9 Select the output as described in **Section 2.3** step 5.

10 To turn the output off when the input statement is valid, check the Event Modifier Turn Off box.

11 Select Set Rule (see **Section 2.3** step 6).

Note: Example rules are given on the next page.

Compact Mimic Configuration

Mimic Rules

	Rule	Panel	Loop	Zone	Address	Device	Event	Output	Channel
1	Event (Local)	Any panel	Any loop	n/a	Any address	Heat	Fire, Fault	Board 1, Output 1	LED 1
2	Event (Local)	4	5	n/a	5	Module	Non-Fire/Aux	Board 1, Output 2	LED 2
3									

Example	**1**	**2**
Panel:	Any Panel	Panel 4
Loop:	Any Loop	Loop 5
Address:	Any Address	Address 5
Selection:	Sensor ◉	Sensor ○
	Module ○	Module ◉
Device type:	Heat	Greyed out
Event:	Fire ☑	Non-Fire/Aux ☑
	Fault ☑	

Example rule 1 activates the output if any heat sensor on the system detects a fire or has a fault.

Example rule 2 activates the output if the module at address 5 on loop 5 of panel 4 detects a non-fire condition.

Event Rules allow outputs to be set for partial zone disablements; for example, select Specific Panel, Specific Zone, Any Loop, Any Address, Sensor, Disabled.

Compact Mimic Configuration

2.4.2 Network Zone Event

2

1

An Event Rule consists of an input statement and an output statement, both of which have a number of parameters. Tabs part way down this display select either **Non-Zone Event** or **Network Zone Event** Rules. Each **Network Zone Event** rule defines the action of an individual output/auxiliary in response to Network Zonal events. These Rules are only available if network zones are being used.

1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 2.2.1**).

2 Check either:

a. Any Zone. All network zones are included in the input statement.

b. Specific Zone. One zone is included in the input statement. Use the Zone Number box to select the required zone, in the range 1 to 4096.

3 Check either:

a. Any Reference. All references on the zone chosen in step 2 are included in the input statement.

b. Specific Reference. Use the Specific Reference box to select the required reference in the range 1 to 32 (VdS) or 99 (Standard). 'Specific Reference' is not available if 'Any Zone' is selected in step 2.

Note: The reference number identifies a specific device within a network zone. It has no relation to the device's loop number or address.

4 Use the radio buttons to select either 'Sensor' or 'Module', then select the required sensor or module (or 'Any') from the drop-down list. The list is greyed out if 'Specific Reference' is chosen (you still need to identify whether the device is a sensor or module).

5 Check the input Event(s) that are to activate the output. Only those events applicable to the selected event source (sensor or module) are available, the remainder are greyed out.

6 Select the output as described in **Section 2.3** step 5.

7 To turn the output off when the input statement is valid, check the Event Modifier Turn Off box.

8 Select Set Rule (see **Section 2.3** step 6).

Compact Mimic Configuration
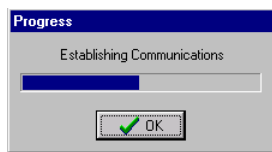
2.5 Connect Menu

The Connect Menu is shown opposite. The procedures below assume that the Compact Mimic is connected to the PC.

2.5.1 Send to Compact Mimic

To send the configuration to the Compact Mimic:

1 Select the Send Data to Unit option. (If no Rules have been set in the Tool, an Information message is displayed).

2 A message appears reminding you to connect the PE link and operate the reset switch (as described in **Section 1.3**).

3 Select OK. A Progress window (shown opposite) displays the progress of the data transfer. Select OK, which becomes available when the transfer is complete.

Note: If there are any problems with the connection to the Compact Mimic, an error message is displayed.

2.5.2 Receive from Compact Mimic

To receive the configuration from the Compact Mimic, select the Get Data from Unit option. A Progress window displays the progress of the data transfer.

Compact Mimic Configuration

3 IDR-M Mimic Configuration Procedures

The Controller and Board/Zonal/Event Rule configuration displays are accessed by clicking on the corresponding tabs in the Tool window.

Only the Controller tab is displayed until the type of controller has been set.

The activation of an output may be controlled by more than one rule.

The configuration is then sent to the IDR-M by means of an option provided at the Connect menu on the Tool window.

Note: After a configuration has been sent to the IDR-M, only those LEDs included in a rule are illuminated during a lamp test.

IDR-M Mimic Configuration

3.1 Controller Tab

1   2   3   4
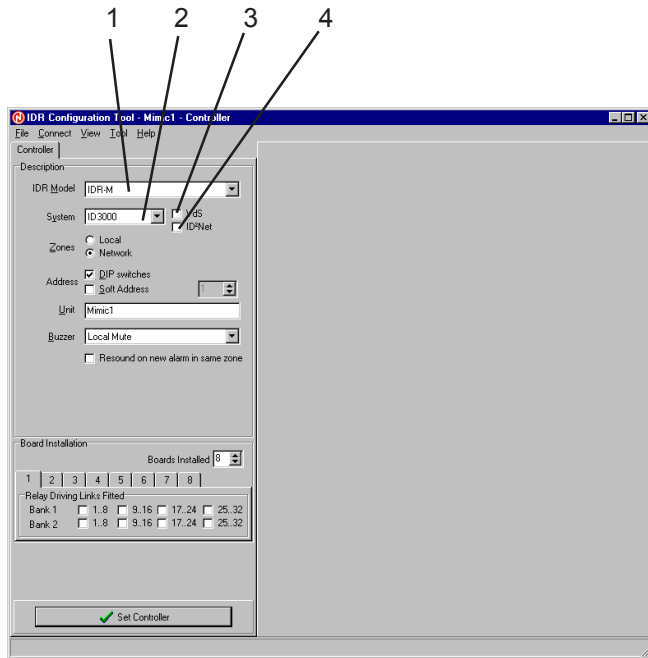
1 Select IDR-M from the pull-down list.

2 Select the System from the drop-down list. The Tool uses this selection to control:

a. The maximum IDR-M soft address that may be set (see step 5).

b. The maximum Panel Number that may be set (all Rules).

c. The maximum Last Zone number that can be set for a Local Zone (Board/Zonal Rules).

d. The maximum Specific Loop number that can be set for a Non-Zone Event (Event Rule).

e. Whether the Network Zone numbering option is available in addition to the Local Zone numbering (all Rules).

3 Check this box if VdS mode is required. Any switches connected to the Auxiliary I/O connector then function in accordance with VdS requirements.

4 **ID3000 only**: check this box if the panel is connected to an ID^2net network, otherwise leave unchecked. This box sets the appropriate number of network panel addresses available in the Rules. It is greyed out if the selected System is not ID3000.

IDR-M Mimic Configuration
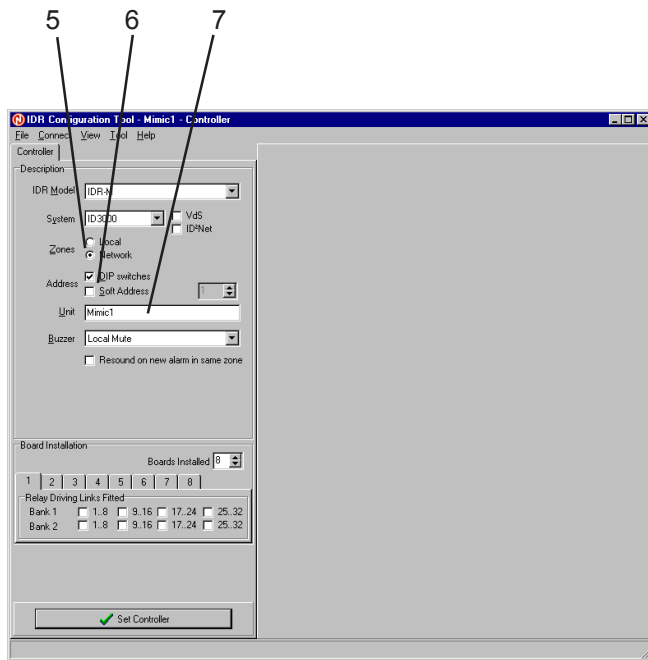
5 Check either:

a. Local (uses panel zone numbers).

b. Network. Only selectable for systems that support network zone numbering.

6 Check either:

a. DIP Switches. The IDR-M address is then determined by hardware switches on the Control Board.

b. Soft Address. Use the spin controls to set the required IDR-M soft address in the box (but see note). Address 0 is for test and commissioning use only.

Note: To use a Soft Address, hardware DIP switches 1 to 6 must be set to 0 (off). The Soft Address then overwrites hardware address 0. To override the Soft Address, set an address on the DIP switches. To re-obtain hardware address 0, set DIP switches 1 to 6 to 1 (on).

7 The displayed default unit name is used as the configuration filename (shown on the top line of the Tool window). The name can be edited here, **but must be edited at the Save window to affect the filename**. It is recommended that this name be that of the IDR-M being configured.

IDR-M Mimic Configuration
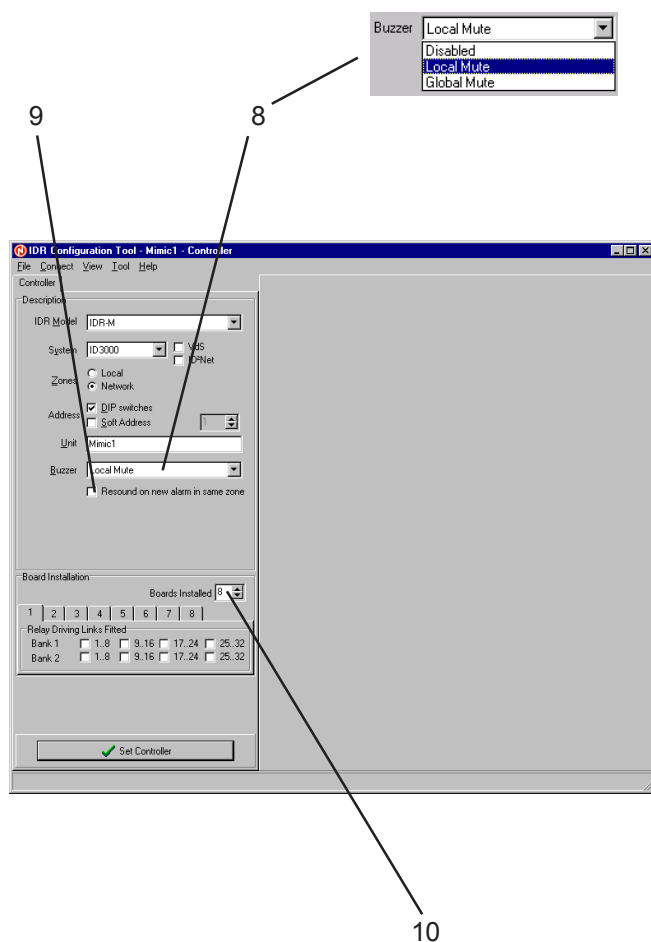
8 Set the effect of MUTE BUZZER:

a. Disabled. The buzzer makes no sound and MUTE BUZZER has no effect.

b. Local Mute. The local buzzer is silenced when MUTE BUZZER is operated.

c. Global Mute. MUTE BUZZER and ACCEPT commands are transmitted across the network.

Note: On the IDR-M mimic, MUTE BUZZER is a configurable pushbutton. Refer to the manual supplied with the IDR-M.

9 Check this box if the buzzer is to resound when there is a new alarm in the same zone (always resounds if new alarm is in new zone).

Note: ID50 panel only. This setting **must** match the panel setting, otherwise MUTE BUZZER does not work correctly.

10 Set the number of IDR-MD Driver Boards installed on the system. The number of 'Relay Driving Links Fitted' tabs then corresponds to this number.

IDR-M Mimic Configuration

12   11
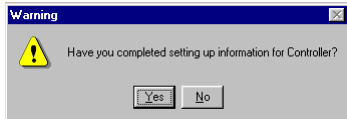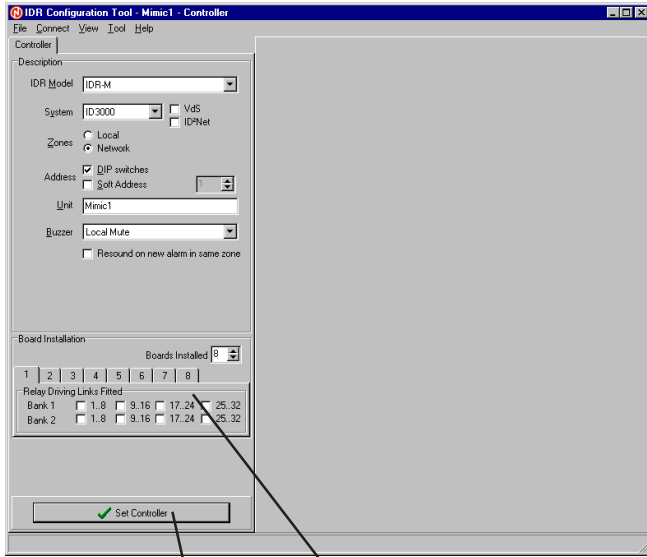
11 For each Output Board, select which groups of 8 output channels are relays (by default, all other groups are LEDs).

PRODUCT ENHANCEMENT: The IDR-M Mimic now uses this setting to ensure that only the LEDs operate during Lamp Test. The warning given in the IDR-M installation and commissioning manual about relays operating can be ignored.

All outputs which are connected to relays MUST be set to Relay Links 'Fitted'.

12 When **all** the preceding steps have been completed and checked, select 'Set Controller', then **if you are sure**, select 'Yes' at the prompt. The remaining tabs become available and the 'Set Controller' button is greyed. **After this the IDR Model, the System, and the VdS and Zone boxes are greyed and cannot be changed. Also, existing rules are not updated if the relay/LED links selection is changed.**

Note: All subsequent Rule selections are made with respect to the settings selected on the Controller tab.

IDR-M Mimic Configuration

3.2 Board Rule Tab

Remember - the Rule will apply to all outputs connected via the Termination Board, whether LED or Relay

2   1

A Board Rule consists of an input statement and an output statement, both of which have a number of parameters. Each rule defines the action of EITHER:

a. All 64 outputs that are driven by one Output Board, in response to fire events in a range of 64 contiguously-numbered zones

OR

b. 32 of these outputs in response to fire events and the remaining 32 outputs in response to fault/test/disablement events in a range of 32 contiguously-numbered zones.

It only affects outputs connected to the Termination Board (i.e. not those connected directly to the Driver Board).

1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options. Refer to **Section 3.2.1** for further information.

2 Indicates the zone type set on the Controller tab. If 'Local Zone is selected, and the panel is on a network, use the Panel number box to select which panel's zones are to be used.

IDR-M Mimic Configuration
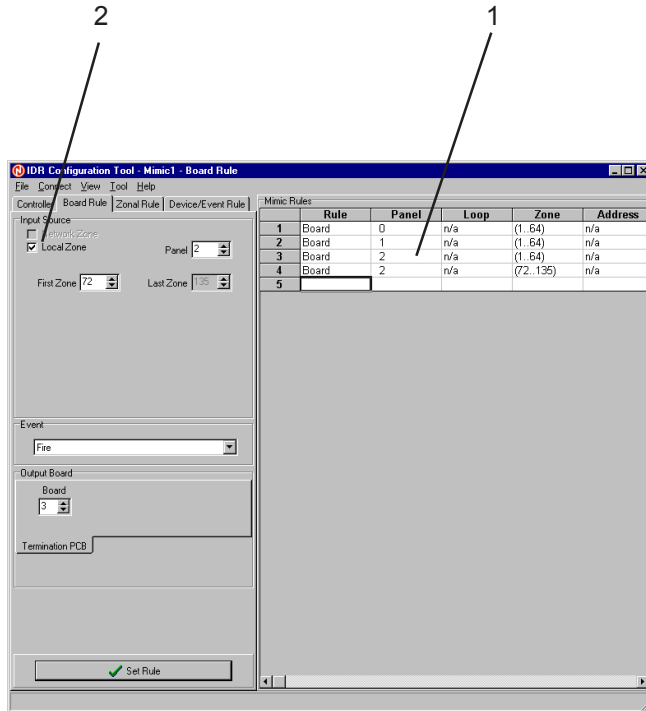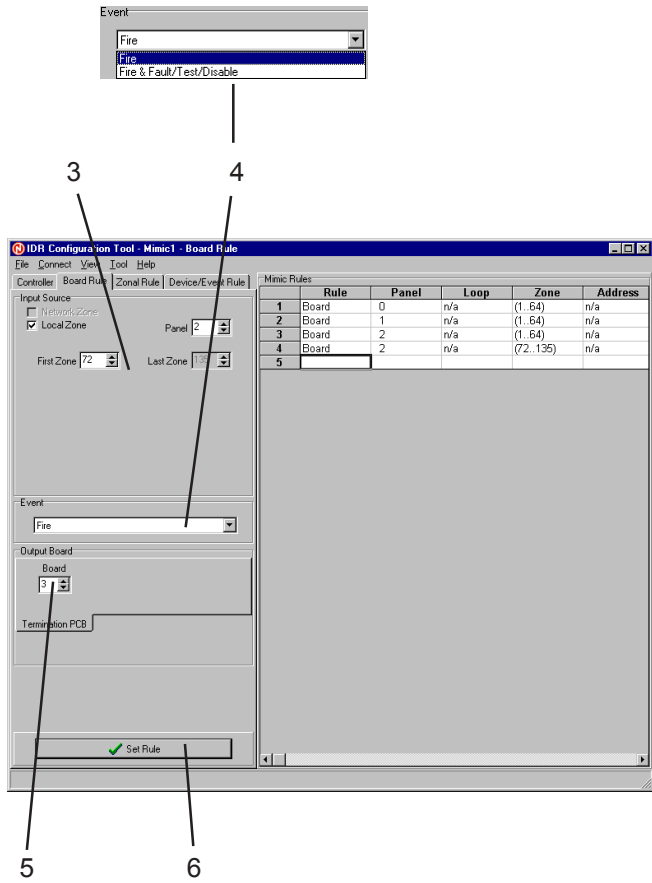
3 Set the first zone number. The last zone number is set automatically, dependent upon the first zone number and the Event type (see step 4). The maximum last zone number is also dependent upon the System selected on the Controller tab.

4 From the drop-down list, select either:

a. Fire Only. 64 outputs will then indicate fire events in 64 contiguously-numbered zones.

b. Fire & Fault/Test/Disable. 32 outputs (odd numbered) will indicate fire events and 32 outputs (even numbered) indicate fault/disablement/test events in 32 contiguously-numbered zones.

5 Select the Output (Driver) Board number (from 1 up to a maximum of 8, depending upon the Output Boards set on the Controller tab) on which the outputs are located.

6 Select Set Rule to enter the displayed data. If the Rule is new, an additional row is displayed. To clear a Rule, use the Delete option (see **Section 3.2.1**).

IDR-M Mimic Configuration

3.2.1 Spreadsheet

	Rule	Panel	Loop	Zone	Address	Device	Event	Output
1	Board	0	n/a	(1..64)	n/a	n/a	Fire	Board 1
2	Board	0	n/a	(12..75)	n/a	n/a	Fire	Board 2
3	Zonal	0	n/a	1	n/a	n/a	Fire	T. Board 1,
4	Zonal	0	n/a	2	n/a	n/a	Fire	T. Board 1,
5	Zonal	0	n/a	(4.. 6)	n/a	n/a	Fire	D. Board 1,
6	Event (Local)	Any panel	Any loop	n/a	Any address	Any sensor	Fire	D. Board 4,
7								

Mimic Rules

	Rule	Panel	Loop	Zone	Address	Device	Event	Output
1	Board	0	n/a	(1..64)	n/a	n/a	Fire	Board 1
2	Board	0	n/a	(12..75)	n/a	n/a	Fire	Board 2
3	Zonal	0	n/a	1	n/a	n/a	Fire	T. Board 1,
4	Zonal	0	n/a		n/a	n/a	Fire	T. Board 1,
5	Zonal	0	n/a	6)	n/a	n/a	Fire	D. Board 1,
6	Event (Local)	Any panel	Any lo		Any address	Any sensor	Fire	D. Board 4,
7								

Autosize
Cut
Copy
Paste
Delete
Reset

Each row of the spreadsheet defines one rule. The row is divided into a number of columns (see next page), each of which displays one component of the rule. Some columns are only applicable to some rule types.
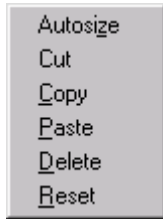
To select the row, left-click the mouse on the Rule number. The row is then highlighted and the tab corresponding to the rule type is displayed automatically with its various boxes and menus set at the values applicable to the rule.

Use the scroll bar at the right of the spreadsheet to scroll through the rows. Use the scroll bar at the bottom of the spreadsheet to scroll through the columns.

If a row is highlighted when SET RULE is selected, you are prompted to confirm that the rule is to be overwritten.

Right-click on the Rule to display a menu. Autosize is always available. If the row is highlighted, all the menu options are available except for Paste, which is only available after a Cut or Copy operation. The options are:

a. Autosize. Sizes all columns so that all of the text is visible.

b. Cut. Removes the rule from the spreadsheet and places it on the PC's clipboard.

c. Copy. Copies the rule to the PC's spreadsheet.

IDR-M Mimic Configuration

```
Autosize
Cut
Copy
Paste
Delete
Reset
```

d. Paste. Pastes the rule into the currently-selected row. Subsequent rules move one row down the spreadsheet. If the row is not empty, a confirmation prompt is displayed.

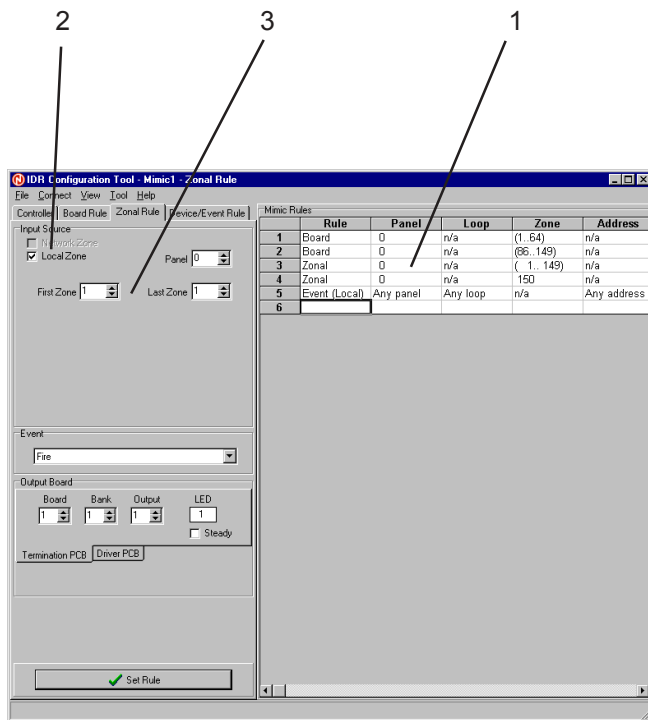e. Delete. Deletes the currently-selected rule. You are prompted to confirm the deletion. The rule is removed and any rules below it move up by one row.

f. Reset. All columns display 'Invalid' but the row remains present and subsequent rules do not move up.

The columns are:

a. Rule. Shows the rule type (e.g. Board).

b. Panel. Shows the panel number or 'Any'.

c. Loop. Shows the loop number or 'Any' or 'Virtual'.

d. Zone. Shows the zone number, range or 'Any'.

e. Address. Shows the address, reference or Virtual Input Point number, or 'Any'.

f. Device. Shows Module or Sensor (or Any Module or Any Sensor).

g. Event. As selected for Event rules.

h. Output. Shows board (T=output at Termination board, D=output at Driver Board), bank and output channel. For Board Rules, only the Board number is given.

i. Channel. Shows output LED(s) or relay numbers and whether LED is steady. Also shows <OFF> if the modifier is set.
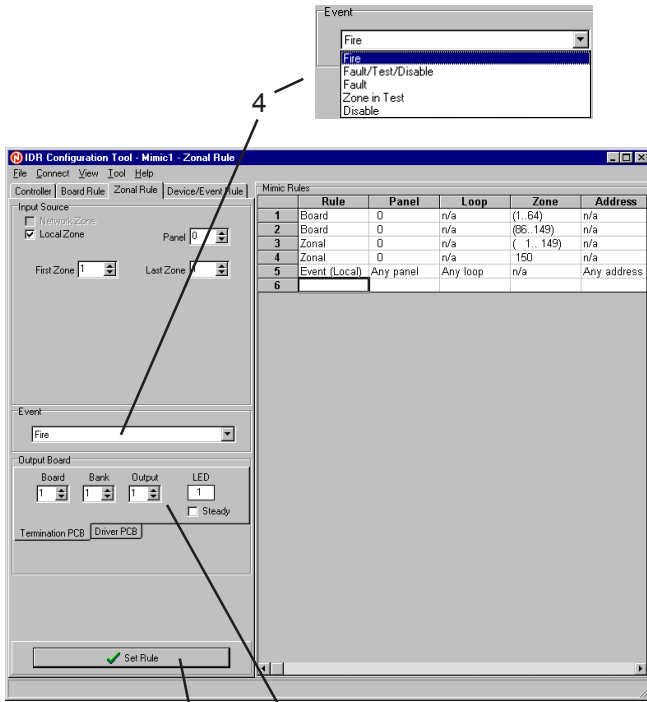
'n/a' is shown if the column is not applicable to this rule.

IDR-M Mimic Configuration

3.3 Zonal Rule Tab

A Zonal Rule consists of an input statement and an output statement, both of which have a number of parameters. Each rule defines the action of an individual output in response to zonal fire, fault, test or disablement events.

1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 3.2.1**).

2 Indicates the zone type set on the Controller tab. If 'Local Zone is selected, and the panel is on a network, use the Panel number box to select which panel's zones are to be used.

3 Set the first and last zone numbers to be included in the rule. If the input to this rule consists of one zone only, the final zone number must be the same as the first zone number. The zone numbers that are available are dependent upon the Event type (see step 4) and the System selected on the Controller tab.

IDR-M Mimic Configuration

4 From the drop-down list, select one of:

a. Fire, if the input is to be a zonal fire alarm.

b. Fault/Test/Disable, if the input is to be any of these other zonal events.

c. Fault, if the input is to be a zonal fault.

d. Zone in Test, if the input is to be a zonal test.

e. Disable, if the input is to be a full zonal disablement (use Event Disable Rule for partial zonal disablement, see **Section 3.4.1**).

5 Select the output (see the IDR-M Mimic manual for definitions of these connections):

a. **Termination PCB Tab**. Select the Mimic Driver Board (1 to the maximum selected on the Controller tab), Bank 1 or 2 (the first or second *Termination Board*) and the Output (one of up to 32 outputs wired to the connector). The specific output number (max. 512) driven by the Board/Bank/Output combination is shown in the display box, which is labelled either (i) LED or (ii) Relay depending upon the Relay Link settings on the Controller tab. For LEDs only, there is a 'Steady' box; check the box if LEDs are to be steady until the alarm is accepted, or leave unchecked if they are to flash.

b. **Driver PCB Tab**. Select the Mimic Driver Board and the Output (one of 8 on the Board which can drive relays). The chosen output is shown in the Relay display (max 64).

6 Select Set Rule to enter the displayed data. If the Rule is new, an additional row is displayed. To clear a Rule, use the Delete option (see **Section 3.2.1**).

If you know the required output number, experiment with the spin buttons until it appears in the display

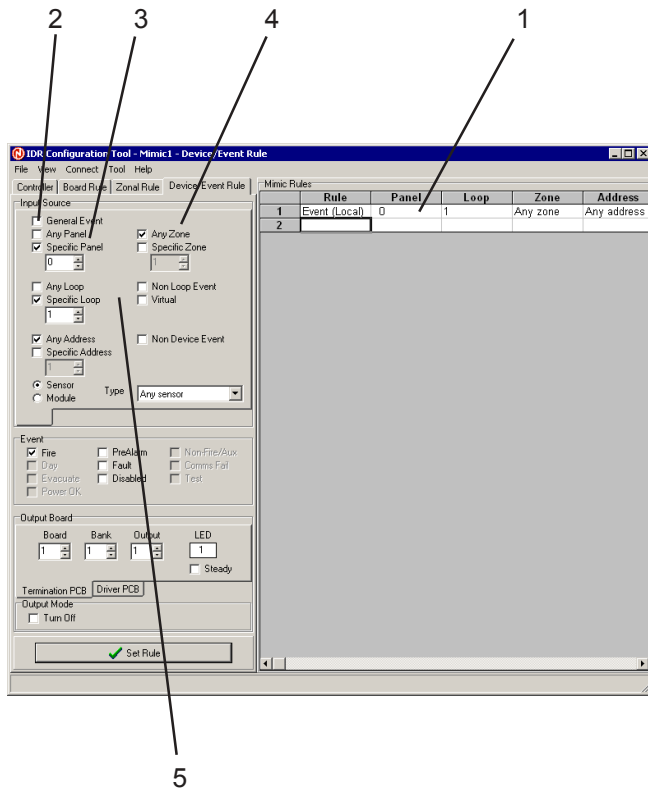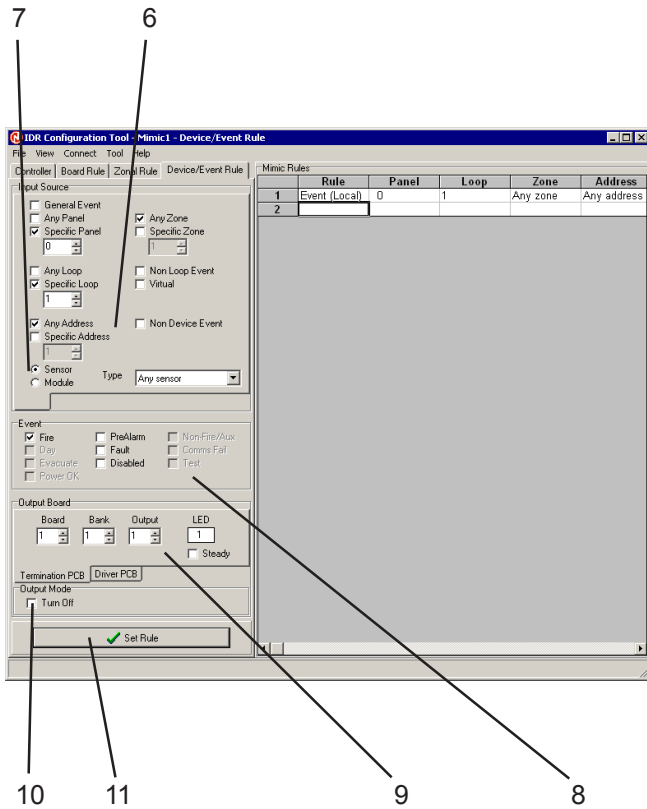

IDR-M Mimic Configuration

3.4 Device/Event Rule Tab

3.4.1 Events

An Event Rule consists of an input statement and an output statement, both of which have a number of parameters. Tabs part way down this display select either miscellaneous (blank tab) or **Network Zone Event** Rules. Each miscellaneous rule defines the action of an individual output/auxiliary in response to specified events.

1 The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 3.2.1**).

2 Select whether the event is general (fire/fault/disable/test/power OK) or otherwise.

3 Check either:

a. Any Panel. All panels are included in the input statement.

b. Specific Panel (only available for systems for which panels can be networked). Only the selected panel is included.

4 Select Any Zone or a Specific Zone.

5 Select one of 'Non-Loop Event', 'Any Loop', 'Specific Loop' or 'Virtual' - if 'Specific Loop' is chosen, use the Loop Number box to select which loop's events are to be used. 'Specific Loop' and 'Virtual' are not available if 'Any Panel' is selected in step 3.

IDR-M Mimic Configuration

6 If 'Any Loop' or 'Specific Loop' is selected in step 5, select one of 'Non-Device Event', 'Any Address' or 'Specific Address' - if the latter, use the Address Number box to select which address's events are to be used. If 'Non Loop Event' is selected in step 5, these options are not displayed. 'Specific Address' is not available if 'Any Loop' is selected in step 5. If 'Virtual' is selected in step 5, either check 'Any Address' or use the Address Number box to select a specific Virtual Input Point.

7 Use the radio buttons to select either 'Sensor' or 'Module', then select the required sensor or module (or 'Any') from the drop-down list. This option is not displayed if 'Non-Device Event' is chosen in step 6. The list is greyed out if 'Specific Address' is chosen (you still need to identify whether the device is a sensor or module).

8 Check the input Event(s) that are to activate the output. Only those events applicable to the selected event source (non-loop, virtual, non-device, sensor or module) are available, the remainder are greyed out.

9 Select the output as described in **Section 3.3** step 5.

10 To turn the output off when the input statement is valid, check the Event Modifier Turn Off box.

11 Select Set Rule (see **Section 3.3** step 6).

Note: Example rules are given on the next page.

IDR-M Mimic Configuration

Mimic Rules									
	Rule	**Panel**	**Loop**	**Zone**	**Address**	**Device**	**Event**	**Output**	**Channel**
1	Event (Local)	Any panel	Any loop	n/a	Any address	Heat	Fire, Fault	T. Board 1, Bank 1, Output 1	LED 1
2	Event (Local)	4	5	n/a	5	Module	Non-Fire/Aux	T. Board 1, Bank 1, Output 2	LED 2
3									

Example	**1**	**2**
Panel:	Any Panel	Panel 4
Loop:	Any Loop	Loop 5
Address:	Any Address	Address 5
Selection:	Sensor ⦿	Sensor ◯
	Module ◯	Module ⦿
Device type:	Heat	Greyed out
Event:	Fire ☑	Non-Fire/ Aux ☑
	Fault ☑	

Example rule 1 activates the output if any heat sensor on the system detects a fire or has a fault.

Example rule 2 activates the output if the module at address 5 on loop 5 of panel 4 detects a non-fire condition.

Event Rules allow outputs to be set for partial zone disablements; for example, select Specific Panel, Specific Zone, Any Loop, Any Address, Sensor, Disabled.

IDR-M Mimic Configuration

3.4.2 Network Zone Event

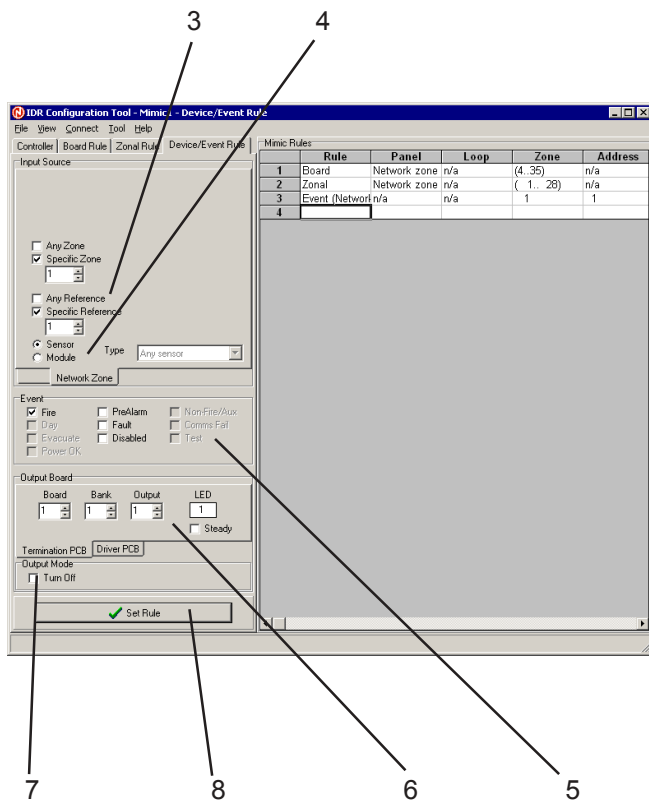An Event Rule consists of an input statement and an output statement, both of which have a number of parameters. Tabs part way down this display select either **Non-Zone Event** or **Network Zone Event** Rules. Each **Network Zone Event** rule defines the action of an individual output/auxiliary in response to Network Zonal events. These Rules are only available if network zones are being used.

1   The current rules (of all types) are shown in a spreadsheet. Left-click the mouse on the Rule number to select the row of data, then right-click the mouse to display a pop-up menu of windows options (see **Section 3.2.1**).

2   Check either:

a.   Any Zone. All network zones are included in the input statement.

b.   Specific Zone. One zone is included in the input statement. Use the Zone Number box to select the required zone, in the range 1 to 8192.

IDR-M Mimic Configuration

3 Check either:

a. Any Reference. All references on the zone chosen in step 2 are included in the input statement.

b. Specific Reference. Use the Specific Reference box to select the required reference in the range 1 to 32 (VdS) or 99 (Standard). 'Specific Reference' is not available if 'Any Zone' is selected in step 2.

Note: The reference number identifies a specific device within a network zone. It has no relation to the device's loop number or address.

4 Use the radio buttons to select either 'Sensor' or 'Module', then select the required sensor or module (or 'Any') from the drop-down list. The list is greyed out if 'Specific Reference' is chosen (you still need to identify whether the device is a sensor or module).

5 Check the input Event(s) that are to activate the output. Only those events applicable to the selected event source (sensor or module) are available, the remainder are greyed out.

6 Select the output as described in **Section 3.3** step 5.

7 To turn the output off when the input statement is valid, check the Event Modifier Turn Off box.

8 Select Set Rule (see **Section 3.3** step 6).

IDR-M Mimic Configuration
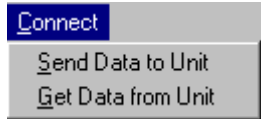
3.5   Connect Menu

The Connect Menu is shown opposite. The procedures below assume that the IDR-M is connected to the PC.

3.5.1   Send to IDR-M

To send the configuration to the IDR-M:

1   Select the Send Data to Unit option. (If no Rules have been set in the Tool, an Information message is displayed).

2   A message appears reminding you to connect the PE link and operate the reset switch (as described in **Section 1.3**).

3   Select OK. A Progress window (shown opposite) displays the progress of the data transfer. Select OK, which becomes available when the transfer is complete.

Note: If there are any problems with the connection to the IDR-M, an error message is displayed.
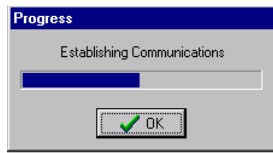
3.5.2   Receive from IDR-M

To receive the configuration from the IDR-M, select the Get Data from Unit option. A Progress window displays the progress of the data transfer.

IDR-M Mimic Configuration

4 Ancillary Menus

This section describes those menus provided in the configuration procedure (i.e. all menus except the Connect Menu). These menus are:

a. File Menu.

b. View Menu.

c. Tool Menu.

d. Help Menu.

4.1 File Menu

This menu provides standard Windows functions. 'New' sets all options to their default values.

Note: Floppy disks: approximately 500 rules will fit on a disk.

Note: If print-out is corrupted, use 'Autosize' to adjust column widths; if necessary, place cursor in spreadsheet header row and adjust individual columns manually.
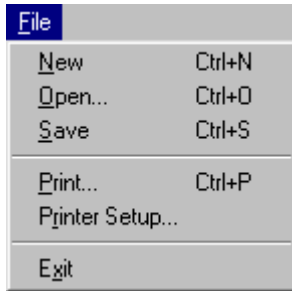
4.2 View Menu

Determines what is displayed in the Tool window; the editor, the data, or both, where:

a. 'Editor' displays the edit area with the tabs.

b. 'Data' displays the spreadsheet.

If one of the above is selected, it uses the whole of the Tool window. If 'Both Editor and Data' is selected the Tool window is split between them.

File

New	Ctrl+N
Open...	Ctrl+O
Save	Ctrl+S
Print...	Ctrl+P
Printer Setup...	
Exit	

View

✓ Both Editor and Data
Data Only
Editor Only

Ancillary Menus
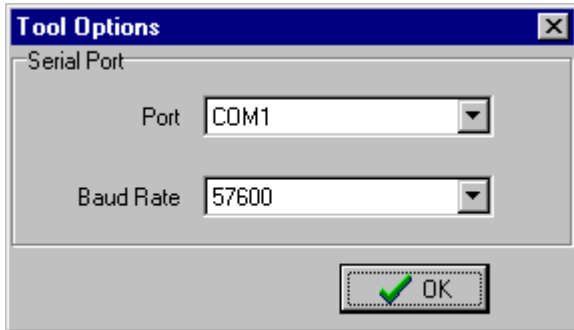
4.3 Tool Menu

This menu displays the Tool Options window, which allows the following to be selected from pull-down lists:

a. The serial communications port used by the Tool (COM1 or COM2).

b. The Baud Rate at the chosen port. The default of 57600 should only be changed if communications problems occur.

Select OK to confirm and exit the display.
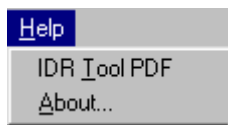
4.4 Help Menu

This menu provides access to the Tool manual, and displays the version number of the Tool.

Ancillary Menus

Appendix 1 - Example using Compact Mimic

BOARD RULE

This example uses a Compact Mimic with 9 expansion boards to give fire and fault/test/disable indication (on alternate outputs) for all zones on one 80-zone ID2000 panel.

IDR Model = Compact Mimic
System = ID2000
Unit Name = set as required
Boards Installed = 10

Indication Type = Fire & Fault/Test/Disable
Panel = required panel number

Input Source
☐ Network Zone
☑ Local Zone   Panel 0

Board	First Zone	(Last Zone)
Main	1	(8)
Expansion 1	9	(16)
Expansion 2	17	(24)
Expansion 3	25	(32)
Expansion 4	33	(40)
Expansion 5	41	(48)
Expansion 6	49	(56)
Expansion 7	57	(64)
Expansion 8	65	(72)
Expansion 9	73	(80)

Rule appears in spreadsheet

Rule is saved to file.

Examples

Example using IDR-M

BOARD RULE

This example uses an IDR-M with 8 driver boards to give fire and fault/test/disable indication (on alternate outputs) for the local zones on one ID3000 panel.

IDR Model = IDR-M
System = ID3000, local zones
Unit Name = set as required
Mimic Driver Boards Installed = 8 IDR-MD

Indication Type = Fire & Fault/Test/Disable
Panel = required panel number

Board	First Zone	(Last Zone)
1	1	(32)
2	33	(64)
3	65	(96)
4	97	(128)
5	129	(160)
6	161	(192)
7	193	(224)
8	225	(256*)

*Local Zone 256 is not used on ID3000

Rule appears in spreadsheet

Rule is saved to file.

Examples

997-419, Version 3.02c
January 2006