

NF2000 & NF3000 Configuration

Notifier / HLS Team

V4 12-February 2011



Honeywell

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Fire detection = Inputs connected to Outputs

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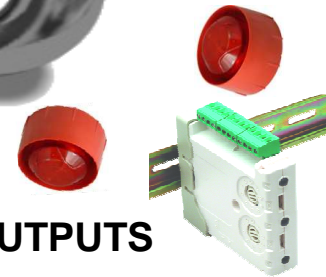
INPUTS



C o n n e c t i o n



OUTPUTS



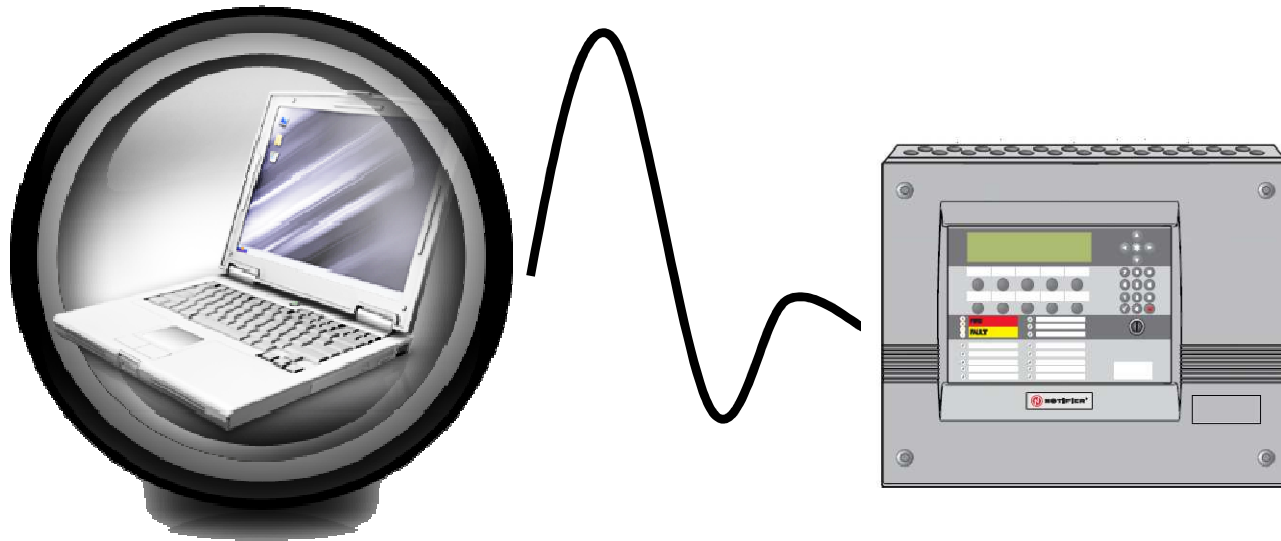
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Making a new system configuration

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Latest version Configuration Software

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- Uninstall previous ID3000 configuration software
- Delete Directory under Program files!



- Install latest NF3000 Configuration Tool V3.05

- Open Program



National Language settings

Access Codes NF2000 and NF3000 Systems

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Access code2 = 000

or



=

basic operations like:
accept, reset,
disablement..etc

Access code3 = 111

=

Access to most of the
operation functions,
detector configuration

Access code3a = 84373

=

Code 3a is the highest
engineers access level.
This code can be used
for all functions and
configuration settings.

3 steps Configuration

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The screenshot shows the ID3000 software interface with three configuration steps highlighted:

- 1. PANEL Settings:** A dialog box titled "Create New Panel Configuration" is open. It contains fields for "Panel Name" (training), "Panel Type" (ID3000), "Language" (English), and "Panel Function" (Standard). There are also checkboxes for "Stand Alone Panel" and "IDnet Panel", and a "Master - Slave Network" section with "Number of Slaves" and "Number of Repeaters" fields.
- 2. LOOP Components:** A tree view on the left side of the main window shows a hierarchy of components including "Loop 2", "Sensors", and "Modules".
- 3. CONTROL Matrix:** A dialog box titled "training: Control Matrix Input and Output Rules" is open. It contains a table with columns for "Rule", "Input Event", "Delay", "T...", and "Output Effect".

2.LOOP Components

3.CONTROL Matrix

1.PANEL Settings



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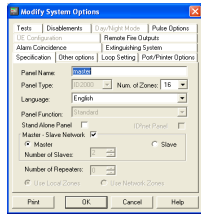
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Making a new system configuration

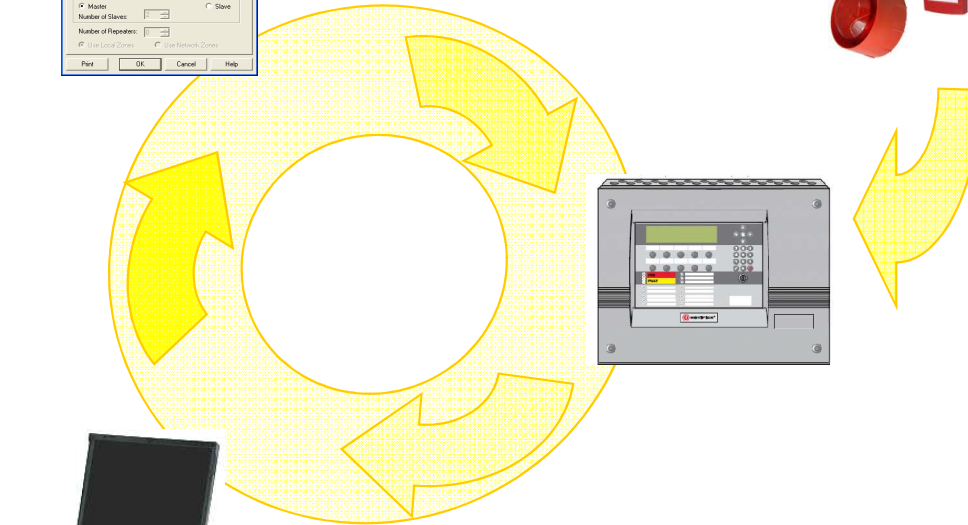
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2) Set panel settings

4) Auto-learn devices



3) Upload to panel



1) Start new configuration

6) Download to pc



5) Set panel language



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ID3000

PANEL SETTINGS

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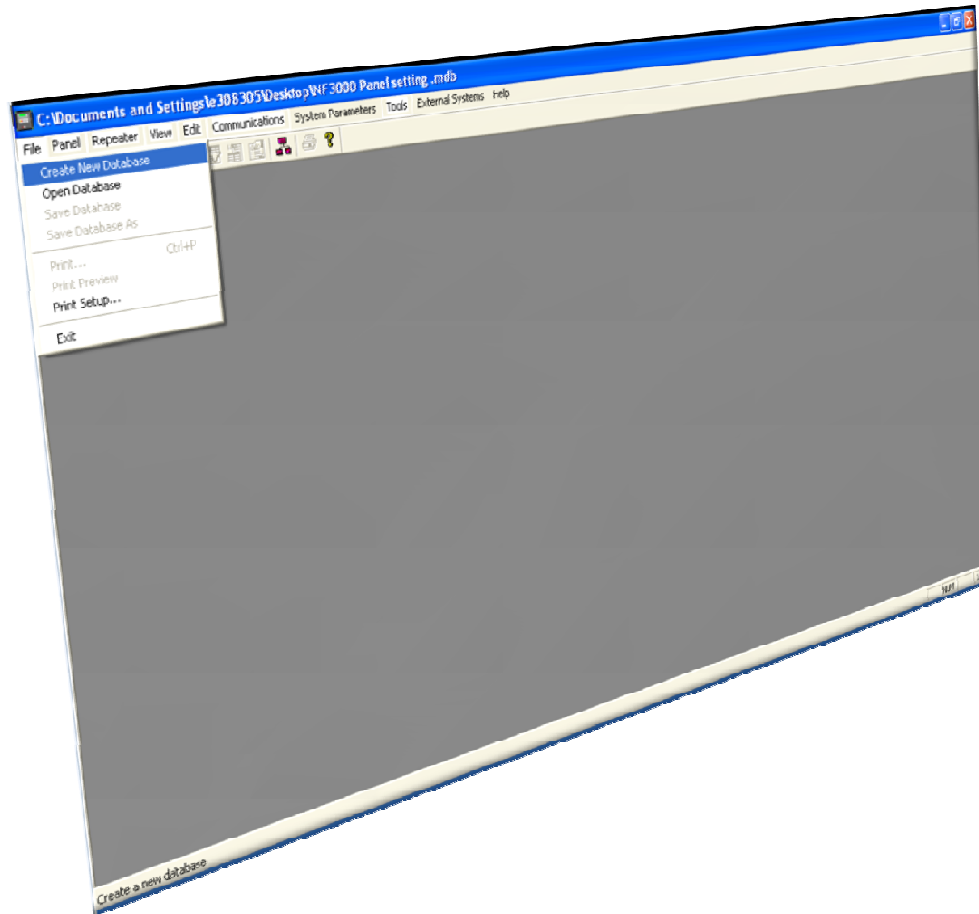
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J

Making a new system configuration

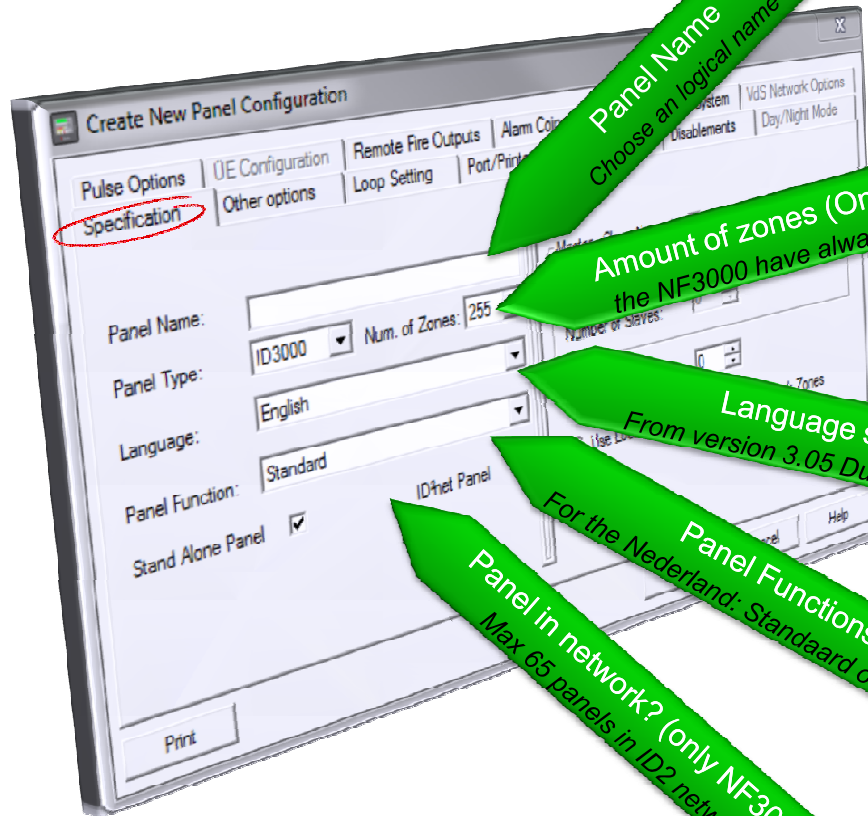
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Panel Settings TAB Specification

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Panel Name
Choose an logical name

Amount of zones (Only NF2000)
the NF3000 have always 255 zones

Language setting
From version 3.05 Dutch Selectable

Panel Functions
For the Nederland: Standaard of sprinkler

Panel in network? (only NF3000)
Max 65 panels in ID2 network



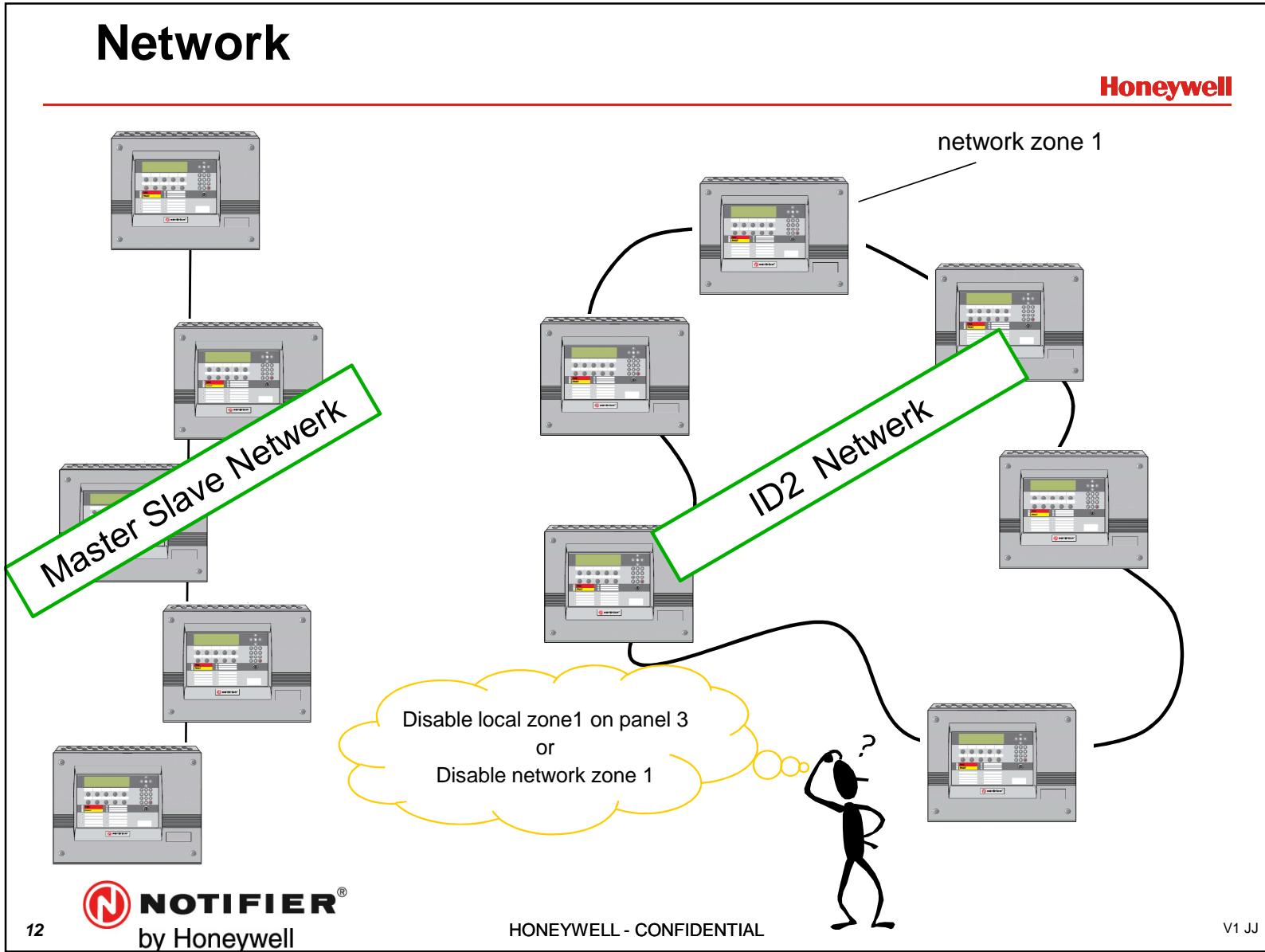
Panel Settings TAB Specification

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The screenshot shows the 'Create New Panel Configuration' dialog box with the following callouts:

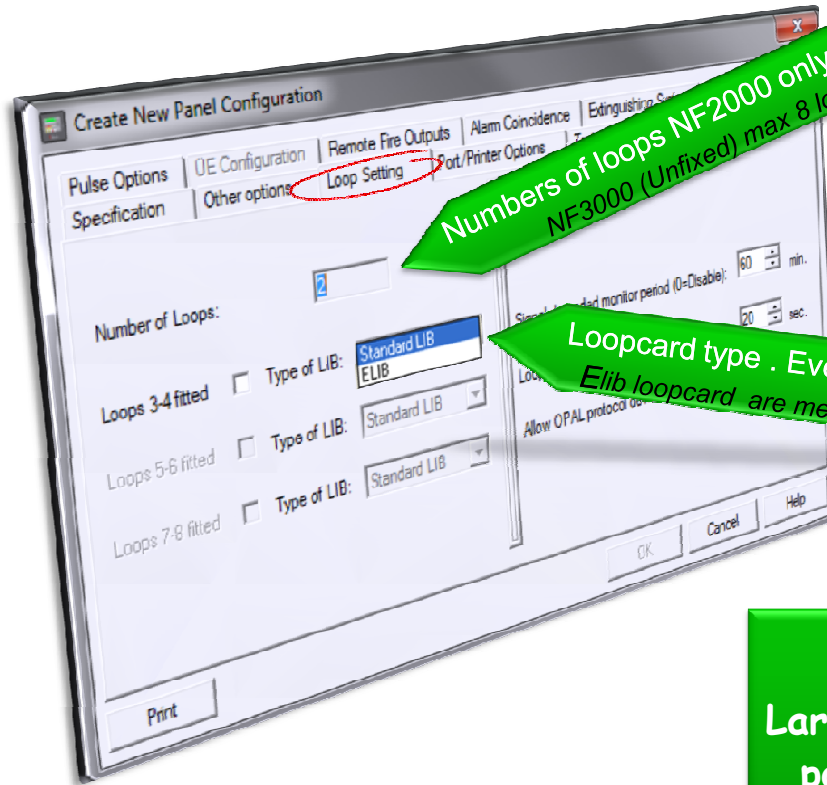
- Panel in network? (only NF3000)**
Master / Slave with maxi. 7 panels.
- Number of repeaters/mimics**
Max32
- Local Zones (only NF3000)**
Local = zone 1 t/m 255 each panel
- Network Zones (only NF3000)**
Network = Only zone unique for each panel

The dialog box includes tabs for Pulse Options, Specification, Other options, Loop Setting, Persistence, Extinguishing System, Tests, Disables, VdS Network Options, Day/Night Mode, and Help. Fields include Panel Name, Panel Type (ID3000), Num. of Zones (255), Stand Alone Panel, IDNet Panel, Master-Slave Network (Master/Slave), Number of Slaves, Number of Repeaters, Use Local Zones, and Use Network Zones. Buttons for Print, Cancel, and Help are also visible.



Panel Setting TAB Loop-settings

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Numbers of loops NF2000 only 2 loops)
 NF3000 (Unfixed) max 8 loops

Loopcard type . Every extentioncard has 2 loops
 Elib loopcard are ment for installations >512 Melders

Note...
 Large systems requires larger
 power supply (7Amp.) with
 deep box enclosure
 (use battery calculator)



Panel Setting TAB Loop-settings

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Fault Suppression
Power ON Timeout Loop (isolators)

Weak signal Loop
1600 fault warnings in set time.

Advance Loop Protocol
MASTER Switch

Opal Protocol

From version:
 Lus: 14.01
 E-Lus: 4.2
 Panel: 5.05
 Sounders/Beacon 2010+Barcode
 Modules : Sept 2010
 Melders :Sept 2010



Explain Component screen.

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Loop +Address:	Device Description:	Type:	Zone Num.:	Zone Ref.:	Zone Description:	Cell:	Alarm Lev./Threshold (mA)	PreAlarm Lev.:	Fault	Detect Fire	S/C	D/C	Fire Delay	Fault Delay	Priority Scan	Other Functions - F2:
Loop 1																
Sensors																
1	HEAT	HEAT	1	Undefined	0	5	5	ON					3	20	OFF	
2	ION	ION	1	Undefined	0	5	5	ON					3	20	OFF	
3	MULT	MULT	1	Undefined	0	5	2	ON					3	20	OFF	
4	OPT	OPT	1	Undefined	0	5	5	ON					20	20	OFF	
5	VIEW	VIEW	1	Undefined	0	5	5	ON					0	20	OFF	
6	SMART	SMART	4	1	Undefined	0	5	2	ON				3	20	OFF	
Modules																
1	ASPR	ASPR	1	Undefined	0				ON	ON	ON	0	20	OFF		
2	AUX.	AUX.	1	Undefined	0				ON	OFF	ON	0	20	OFF		
3	BELL	BELL	1	Undefined	0				OFF	ON	ON	0	20	OFF		Silenceable
4	CDI	CDI	1	Undefined	0				ON	OFF	ON	0	20	OFF		Non Silenceable
5	CTRL	CTRL	1	Undefined	0				OFF	ON	ON	0	20	OFF		
6	MCP	MCP	1	Undefined	0				ON	OFF	ON	0	20	OFF		
7	MON.	MON.	1	Undefined	0				ON	ON	ON	1	20	OFF		
8	SPRK	SPRK	1	Undefined	0				ON	ON	ON	40	20	OFF		
9	ZMK	ZMK	1	Undefined	0				ON	OFF	ON	0	20	OFF		
10	BOOSTER	BOOSTER	1	Undefined	0				OFF	ON	ON	0	20	OFF		Always BLINK
Loop 2																

See next slide

1. The loop and address of Element
2. Customized devices text
3. Type of device (see label on device)
4. Customized zone numbers (according norm regulation)
5. Zone Reference is used by network installations only
6. Customized Zone text addable directly in textbox or in "Edit Zone text menu"
7. Cells are an device grouping method to combine elements in a single group.

Control Matrix

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The connection

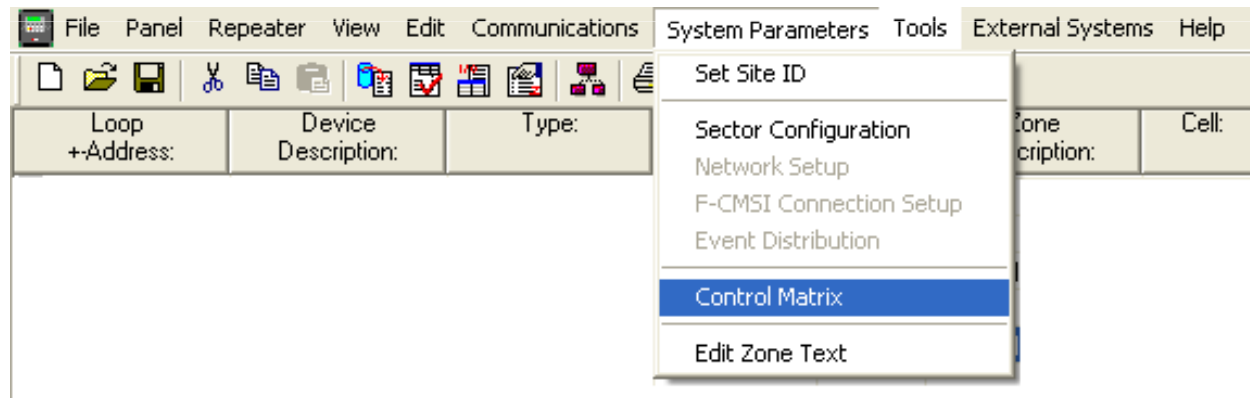
between inputs and outputs



Control Matrix

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- Connection between the input events and output events.
- A maximum of 512 rules are available for each panel
- Every new configuration has two preset settings to comply the En54




Control Matrix

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Rule:	Input Event:	Delay:	TOD:	Output Effect:
1.	EVACUATE	N/A	N/A	Activate Bells in all zones; steady
2.	ALARM any zone, Any input device type	N/A	N/A	Activate Bells in all zones; steady
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				

Thermal Alarm Verification Time: sec. Maximum depth of recursion allowed into control matrix during processing of latching FLAG rules:

1. Default lines. Remove rule 2 before adding new lines.
2. "Edit" aloud editing the input and output events
3. Delays between the input and output events
4. TOD (time of day) actions only on certain time of the day



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Control Matrix

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Edit

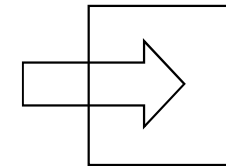
- Add/Replace Input Event ▶
- Replace Output Event ▶
- Delete Rule
- Copy Rule
- Cut Rule
- Paste Rule

- Alarm ▶
 - Any Zone
 - Specific Zone(s)
 - Specific Cell(s)
 - Specified individual Device
 - Virtual Point
- Thermal Alarm ▶
- Prealarm ▶
- Fault ▶
- Disablement ▶
- Non-Fire Activation ▶
- Transfer Flag
- Extinguishing System
- EVACUATE
- RESET
- SILENCE
- MCP in walk test
- TRUE Input

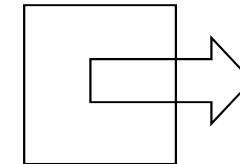
- Add/Replace Input Event ▶
- Replace Output Event ▶
- Delete Rule
- Cut Rule
- Paste Rule

- Activate Outputs ▶
 - All Zones
 - Same Zone As Input
 - Specify Zone(s)
- Set to Thermal Only Mode ▶
 - Specify Cell(s)
- Disable Outputs ▶
 - Specify Cell(s)
 - Specified Individual Module
 - Virtual Point
 - Sounder/Relay Circuit
- Transfer Flag
- Extinguishing System
- Mute Buzzer
- Silence Sounders
- System Reset
- Night Mode
- Day Mode
- Extend Investigation Delay
- Over-Ride Sounder/Investigation Delay

INPUTS




OUTPUTS



ID3000

ADVANCE PROTOCOL

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CLIP vs OPAL Protocol

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- Vereenvoudigde instelling synchronisatie alarmgevers
- Herleiden volgorde van Sensoren & modules op lus
- Aansturen van nevenindicatoren vanuit de sensoren
- Multi kleur sensor led
- Alle Sensoren zijn voorzien van kortsluit isolator
- Stabieler luscommunicatie



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AUTOLEARN MORE IMPORTANT THEN BEFORE

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If you move Opal style devices between panels remember that now the Opal devices have a small amount of memory storage present.

This may be written to with system parameters - if you move a device from one panel to another YOU MUST learn this device on to the system to ensure that this storage is set up correctly for the new panel.



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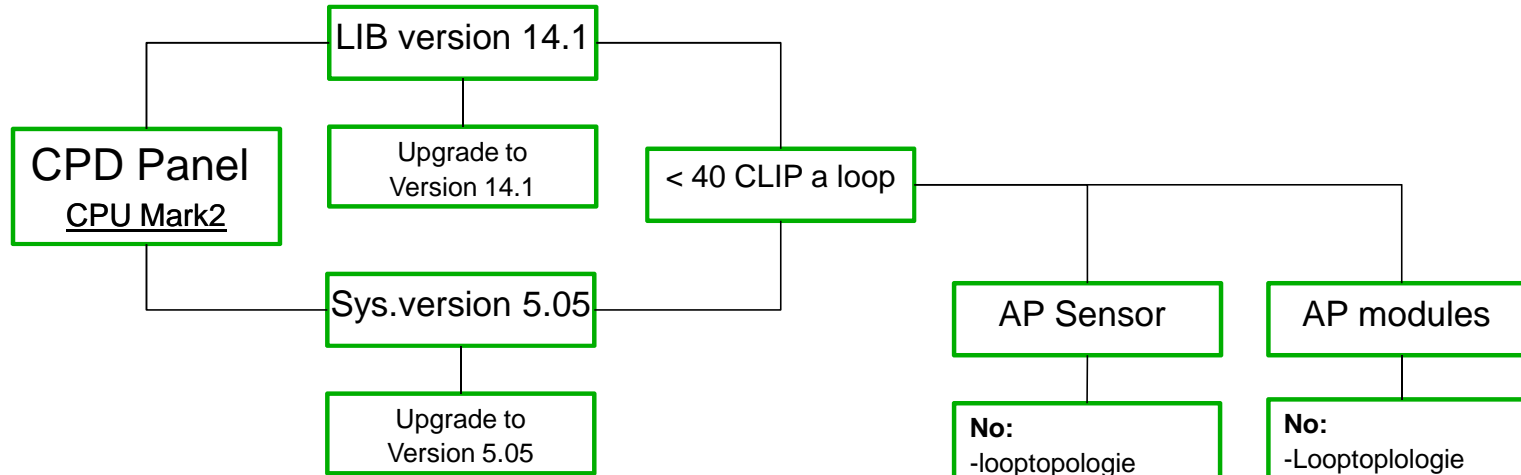
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When is Upgrade AP possible

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-Lamp Test-

```

PRODUCT NAME          version 5.03n
Intelligent Fire Detection System
LIB software versions:
L1:13.02 L2:13.02 L3:14.01 L4:14.01
CPU Card type: Mark 1
Press '9' to switch all lamps on
  
```

```

PRODUCT NAME          version 5.03n
Intelligent Fire Detection System
LIB software versions:
L1:13.02 L2:13.02 L3:14.01 L4:14.01
CPU Card type: Mark 2 (CPD)
Press '9' to switch all lamps on
  
```

```

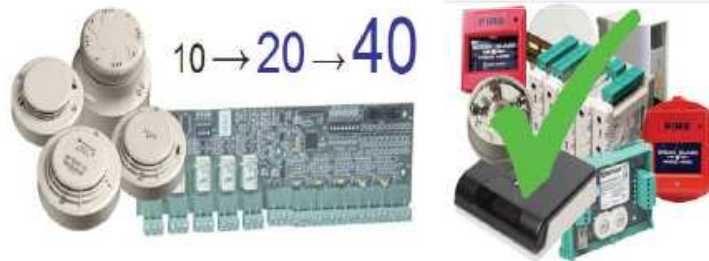
OPAL Advanced Protocol Options
LIB software on Loops 1 2 3 4 5 6
must be updated to version 14.01
before OPAL protocol can be supported.
  
```



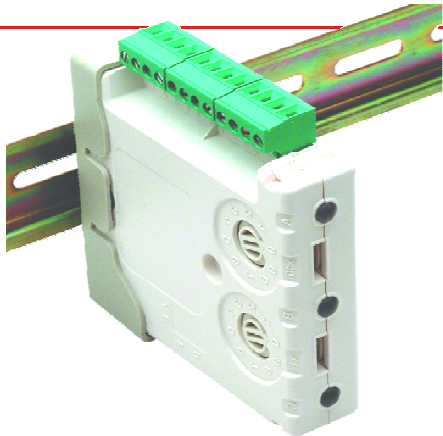
Geen Advance protocol

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- Alle modules & Sensoren van vóór 2010
- MMX10 CMX10 MCX55
- Filtrex, View, LPB620



AP icm Clip



C:\Users\308305\Desktop\training.mdb - [training [STAND ALONE]]

File Panel Repeater View Edit Communications Sys

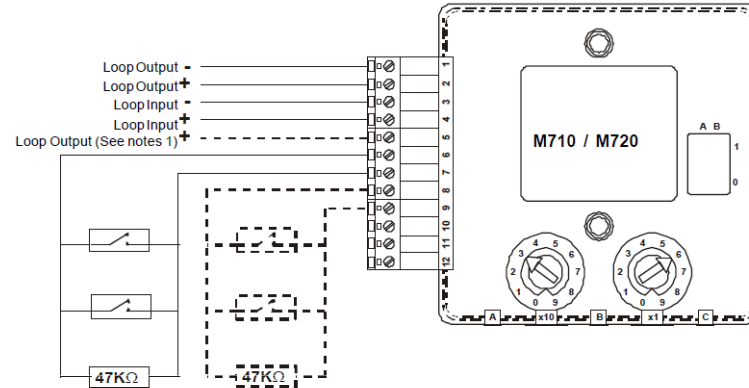
Loop	+Address:	Device Description:	Type:	Zone Num.:
-	<input checked="" type="checkbox"/>	Loop 1		
-	<input type="checkbox"/>	Sensors		
-	<input checked="" type="checkbox"/>	Modules		
-	<input checked="" type="checkbox"/>	1	MON.	1
-	<input checked="" type="checkbox"/>	2	MON.	1
-	<input checked="" type="checkbox"/>	3	MON.	1
-	<input checked="" type="checkbox"/>	4	MON.	1
-	<input checked="" type="checkbox"/>	5	MON.	1
-	<input checked="" type="checkbox"/>	6	CTRL	1
+	<input type="checkbox"/>	Loop 2		



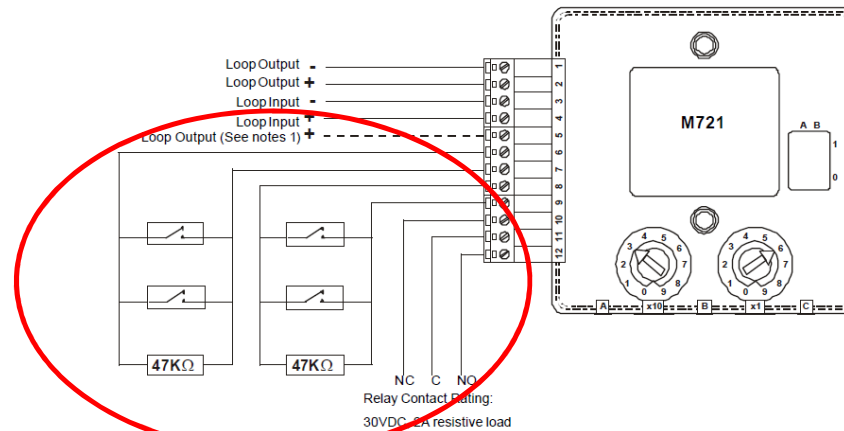
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M710 / M720 Connection Detail



M721 Connection Detail



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Autoleer

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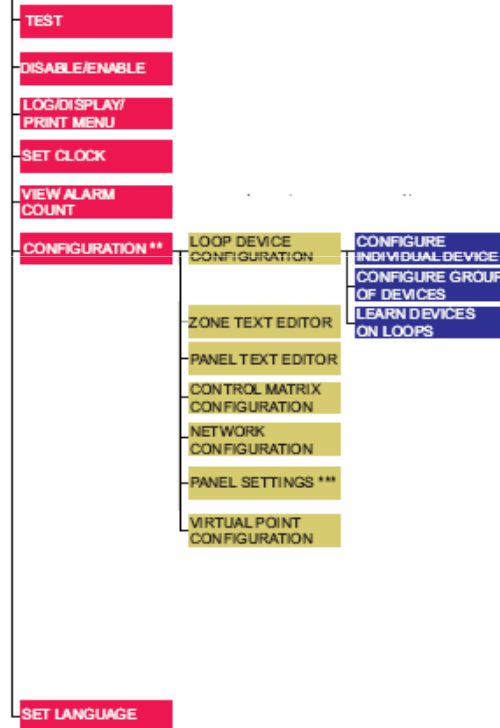


Change TAB



STATUS: NORMAL
USER MENU

- NF3000 Herkend automatisch de luscomponenten
- Het inleer bereik is instelbaar
- Sensor type wordt automatisch herkend
- Opal Modules worden automatisch herkend
- Clip Modules moeten worden enkel als in of output herkend



Type of Module

mcp

bell

mon

contr

= MMX

= CMX



Oefening

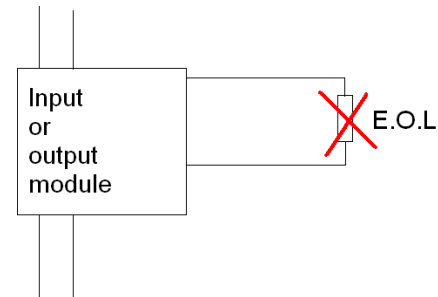
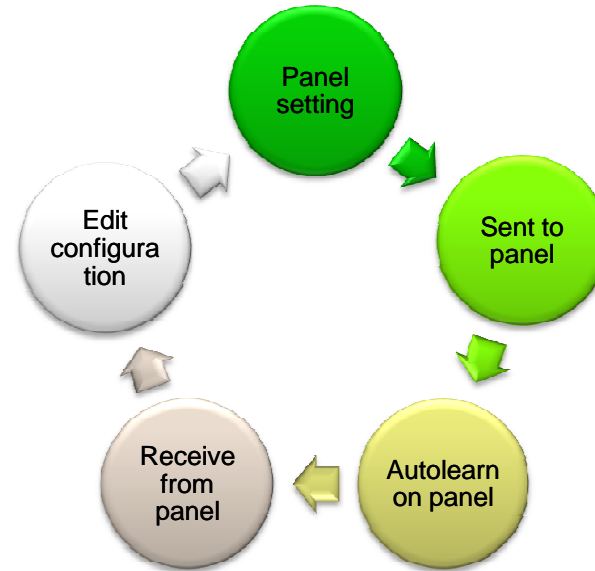
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In Conf. tool
 Panel
 Panel setting

- Panel Name
- Panel Type
- Language
- Panel function
- Network autonome

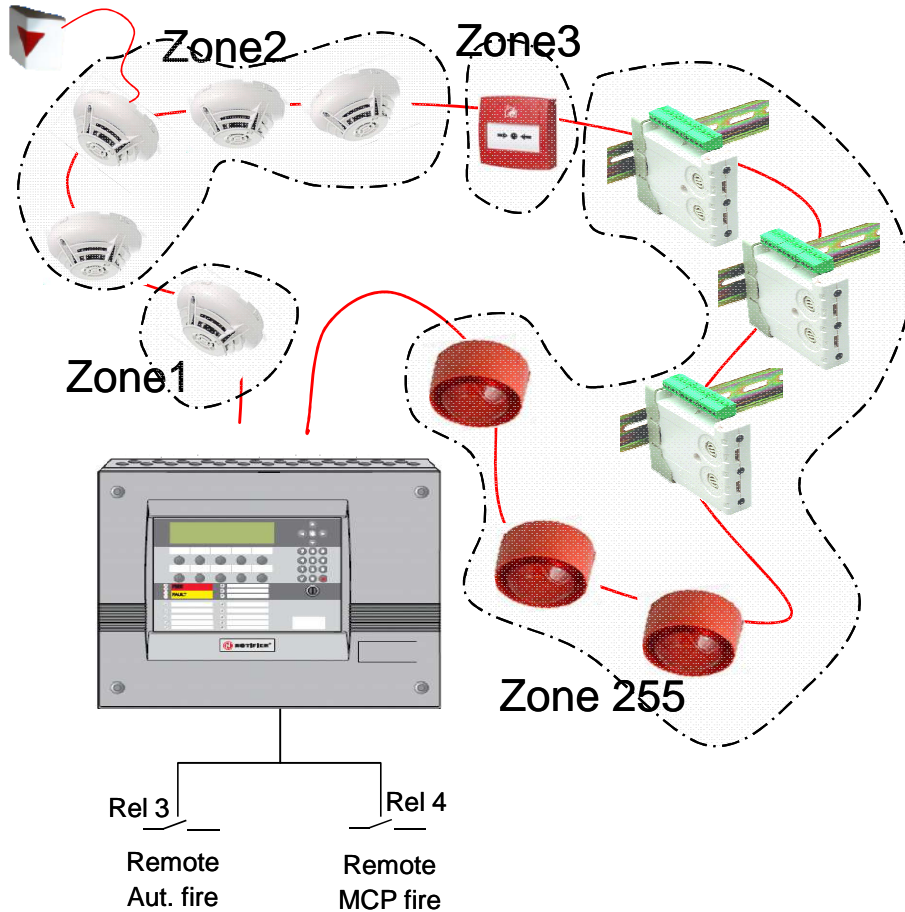
On Panel
 Autolearn

- Volgend menu
- code: 84373
- (6) Programmatie
- (1) Elementen op lus
- (3) Zoek autm.
- Autoleer range
- (1) Onderbreek bij probl
- (1) Desactiveer Therm
- Alle Clip Inputs zijn?
- Alle Clip Outputs zijn?
- (3) Lijnbewaking UIT
- Zone Nummer
- OPAL



To Do: Autolearn + Simple matrix Rule

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In configuration Tool

1. Set basic configuration
2. Set Led blinking on Green
3. Load Conf. into the panel

In Panel

4. Autolearn loop1 with AP
5. Download Conf. to PC

In configuration Tool

6. Configure devices in zones
7. Name the devices

In configuration Tool Matrix

8. MCP activate All Bells



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Sensor Value

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INPUT SUB-ADDRESS LIMITS

SUB ADDRESS	MEANING	CONDITION	ABSOLUTE LIMITS (due to environmental/aging effects)		FINAL AUDIT LIMITS			COMMENTS
			MIN	MAX	MIN	TYP	MAX	
0	Processed photo	Normal	48	66	48	50	52	
		Internal Faults	1	9	--	-	--	
		Low Chamber Trouble	10	10	--	--	--	
		Drift Compensation Indication	40	50	50	50	50	The value decreases from 50 (Detector Clean) to 40 (100% of drift compensation reached – maintenance urgent) with steps of 1 (10% of total drift each). So for example the 80% of drift level (maintenance alert) corresponds to the value of 42
		Alarm 1 - 1%/ft.	120	120	--	--	--	
		Alarm 2 - Adjusting 1% - 2%/ft.	140	140	--	--	--	
		Alarm 3 - 2%/ft.	150	150	--	--	--	
		Alarm 4 - Adjusting 2% - 3.5%/ft.	160	160	--	--	--	
		Alarm 5 - 3.5%/ft.	170	170	--	--	--	
		Alarm 6 – Heat (FIX or ROR)	200	200	--	--	--	
		Remote Test	253	253	253	253	253	
		Magnet Test	254	254	254	254	254	
		Power Up special value	255	255	255	255	255	
1	Raw photo	Normal	19	33	23	25	27	
2	Static Temperature	Normal	0	255	100	120	140	Conversion formula: T(°C) = Data/2 -35 (Fig. 4)
3	ROR Temperature	Normal	0	255	119	120	121	Depending on environmental temp
127	Isolators	Normal	224	224		224		If isolators present (0 if not)
		Open	96	96		96		If isolators present (0 if not)

Add Custom Tone

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The screenshot shows the NOTIFIER software interface. A 'Pre-Defined Tones' dialog box is open, displaying a table of tones. A red arrow points from the 'Control Matrix' menu in the background to the 'Pre-Defined Tones' dialog. Another red arrow points from the 'Pre-Defined Tones' dialog to the 'Replace output event' text.

N°	Nominal Frequency	Pattern	Switching Freq.
16.	970Hz	Intermittent	0.5Hz
17.	2850Hz	Intermittent	1Hz
18.	970Hz	Intermittent	1Hz
19.	950Hz	Intermittent	0.22Hz
20.	2850Hz	Intermittent	4Hz
21.	400/1200Hz	Sweep	0.22Hz
22.	1200/ 500Hz	Sweep	0.99Hz
23.	2400 /2850Hz	Sweep	7Hz
24.	500 /1200Hz	Sweep	0.25Hz
25.	800/ 970Hz	Sweep	50Hz
26.	800/ 970Hz	Sweep	7Hz
27.	800 /970Hz	Sweep	1Hz



Replace output event

Activate Output

- >All zones
- >Specified zone
- >Spec. Individual Device

Slowwhoop = 24

Filter









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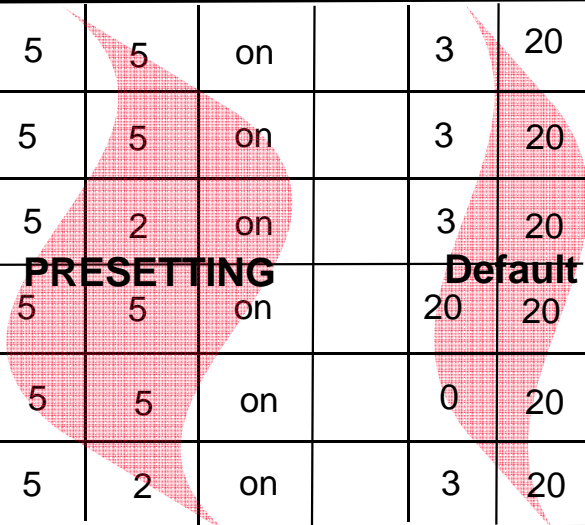
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Presetting











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Symbol	Description	Alarm level	Pre-Alarm	Fault	Delays Fire	Fault
	HEAT HEAT DETECTOR	5	5	on	3	20
	ION IONISATION	5	5	on	3	20
	MULTI Multi criteria	5	2	on	3	20
	OPT Optical detector or LPB700 beam detector	5	5	on	20	20
	VIEW Laser detector (Early warning)	5	5	on	0	20
	smart4 Smart 4 criteria detector	5	2	on	3	20



Presetting

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Symbol	Description	FIRE	S/C	O/C	MODULE TYPE
	ASPR Aspiration System (Input)	on	on	on	M710, M720, M721 MMX 102e, MMX10, MCX55
* 	AUX Auxiliary (non FIRE Input)	on	off	on	M710, M720, M721 MMX 102e, MMX10, MCX55
* 	BELL Bell / Sounders (output)	off	on	on	M701, CMX10, MCX55, FLASHER SOUNDER
	CDI CDI (conv.det.interf) (Input)	on	off	on	M710 CZ Conv. Input Module
* 	MON Monitored Input	on	on	on	M710, M720, M721 MMX 102e, MMX10, MCX55
* 	MCP Manual Call point (Input)	on	off	on	M710, M720, M721 MMX 102e, MMX10, MCX55
* 	CTRL Control Module (output)	off	on	on	M701, CMX10, MCX55, FLASHER
	SPRK Sprinkler (Input)	on	on	on	M710, M720, M721 MMX 102e, MMX10, MCX55
	ZMX Zone Module (Input)	on	off	on	M710 CZ Conv. Input Module
	BOOSTER Loop booster (Input)	off	on	on	LOOPBOOSTER

PRESETTING

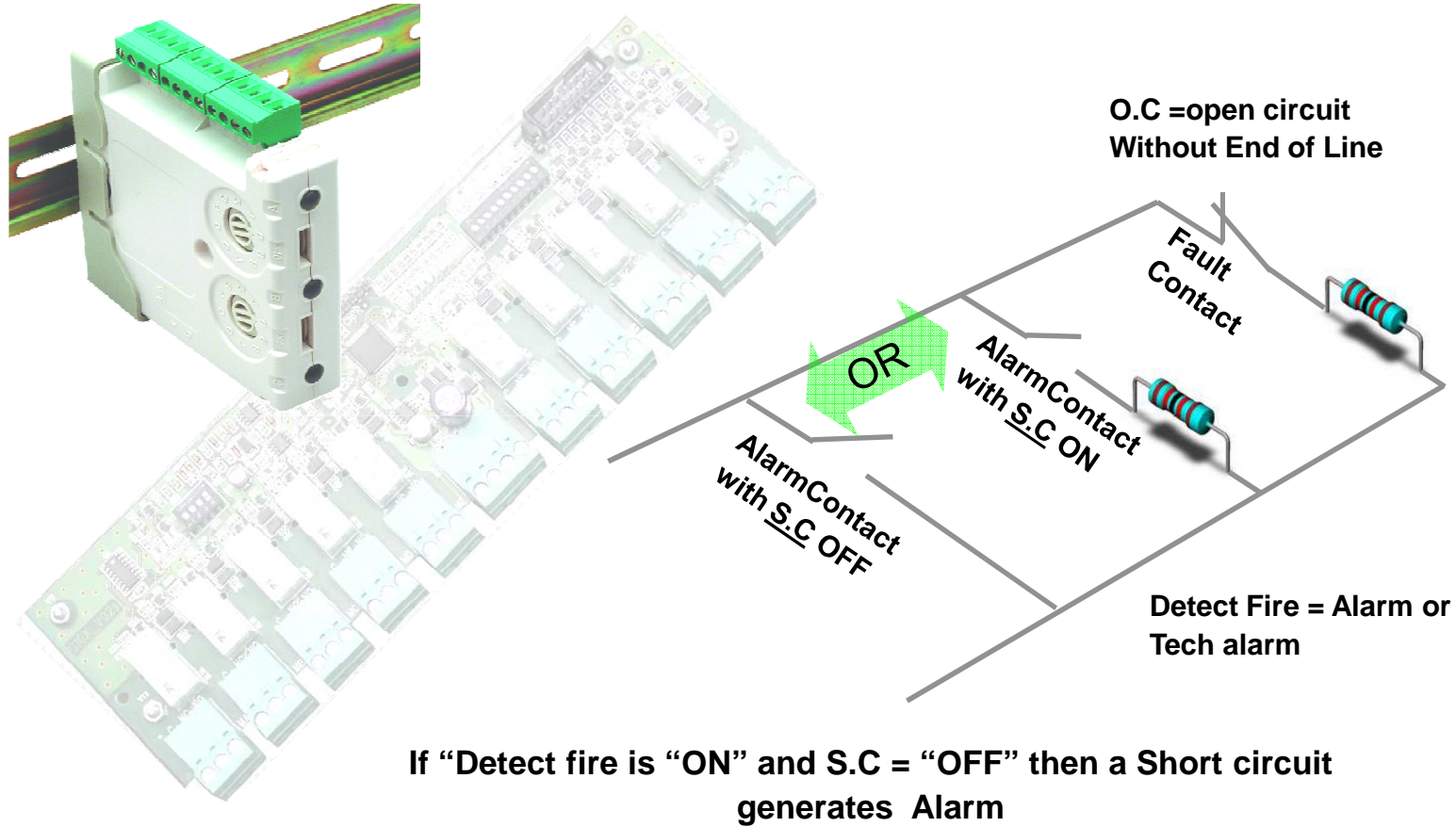
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EOL Module Settings

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Automatic sensor Setting



The screenshot shows the NOTIFIER software interface. The main window displays a table with columns for Loop Address, Device Description, Type, Zone Num., Zone Ref., Zone Description, Cell, Alarm Lev./Threshold (mA), PreAlarm Lev., Fault, Detect Fire, S/C, O/C, Fire Delay, Fault Delay, Priority Scan, and Other Functions - F2. The 'Sensors' folder under 'Loop 1' is selected, and a mouse cursor is hovering over it. An 'Add New Device' dialog box is open, showing 'Insert device(s):' with 'From: 1' and 'To: 1'. Under 'Device Type', 'Sensors' is selected, and a dropdown menu is open showing options: HEAT, GAS, ION, MULT, OPT, VIEW. The 'Zone Information' section shows 'Number: 1' and 'Description: Undefined'. The dialog box has 'OK' and 'Cancel' buttons.



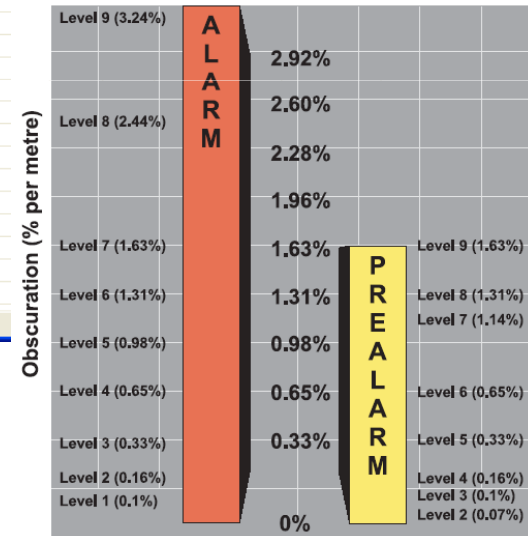
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Automatic sensor Setting

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Loop +Address:	Device Description:	Type:	Zone Num.:	Zone Ref.:	Zone Description:	Cell:	Alarm Lev. / Threshold (mA)	PreAlarm Lev.:	Fault	Detect Fire	S/C	O/C	Fire Delay	Fault Delay	Priority Scan	Other Functions - F2:
Loop 1																
Sensors																
1		HEAT	1	1	Undefined	0	5	5	ON				3	20	OFF	
2		ION	1	2	Undefined	0	5	5	ON				3	20	OFF	
3		MULT	1	3	Undefined	0	3	2	ON				3	20	OFF	
4		OPT	1	4	Undefined	0	5	5	ON				20	20	OFF	
5		VIEW	1	5	Undefined	0	5	5	ON				0	20	OFF	
Modules																
Loop 2																

By Alarm Level and Pre-alarm level the sensitivity of the detectors can be defined. Exception are for Multi Criteria, smart 4 and View sensor.



Automatic sensor Setting



Loop +Address:	Device Description:	Type:	Zone Num.:	Zone Ref.:	Zone Description:	Cell:	Alarm Lev./ Threshold (mA)	PreAlarm Lev.:	Fault	Detect Fire	S/C	D/C	Fire Delay	Fault Delay	Priority Scan	Other Functions - F2:
Loop 1																
Sensors																
1		HEAT	1	1	Undefined	0	5	5	ON				3	20	OFF	
2		ION	1	2	Undefined	0	5	5	ON				3	20	OFF	
3		MULT	1	3	Undefined	0	3	2	ON				3	20	ON	
4		OPT	1	4	Undefined	0	5	5	ON				20	20	OFF	
5		VIEW	1	5	Undefined	0	5	5	ON				0	20	OFF	
Modules																
Loop 2																

Priority scan "on" The selected devices will be rescanned in less than 1 second.

Each loop can handle maximum of 43 Priority devices.

By more than 21 Priority scan setting on each loop, the period of each scan will be greater than 1 second..

Control Matrix display

Honeywell

What Happens??

During control matrix activation, the rules are displayed in "Display Active Control Matrix Rules"

```

Log/display/print menu
▲ 2:Print device data
  3:Display/print event log
  4:Printer Control
  5:Display Active Control Matrix Rules
Service/ Mon 03-May-2004 10:25:00

```

```

Display Active Control Matrix Rules
-----
1 3

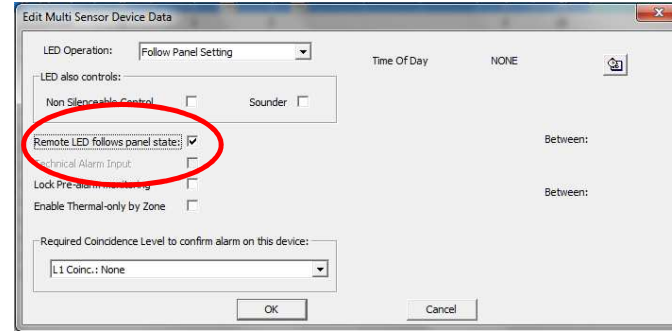
```

**Access Level:
84373**

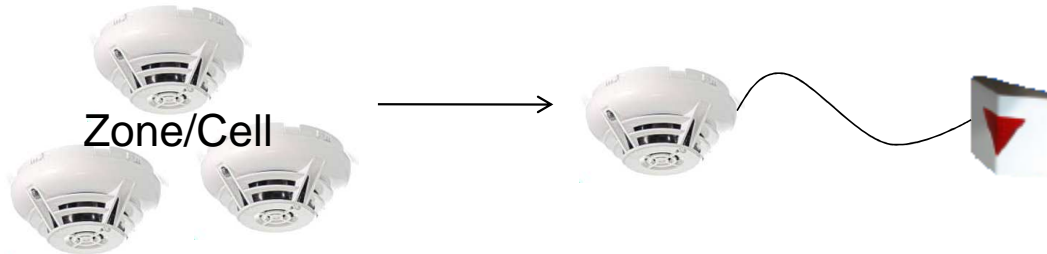
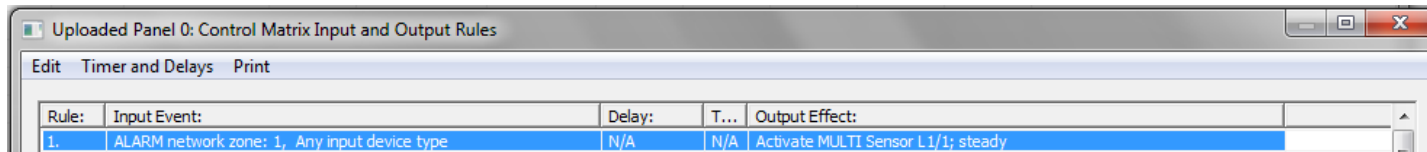
Remote indication

Honeywell

Using F2



Using control matrix



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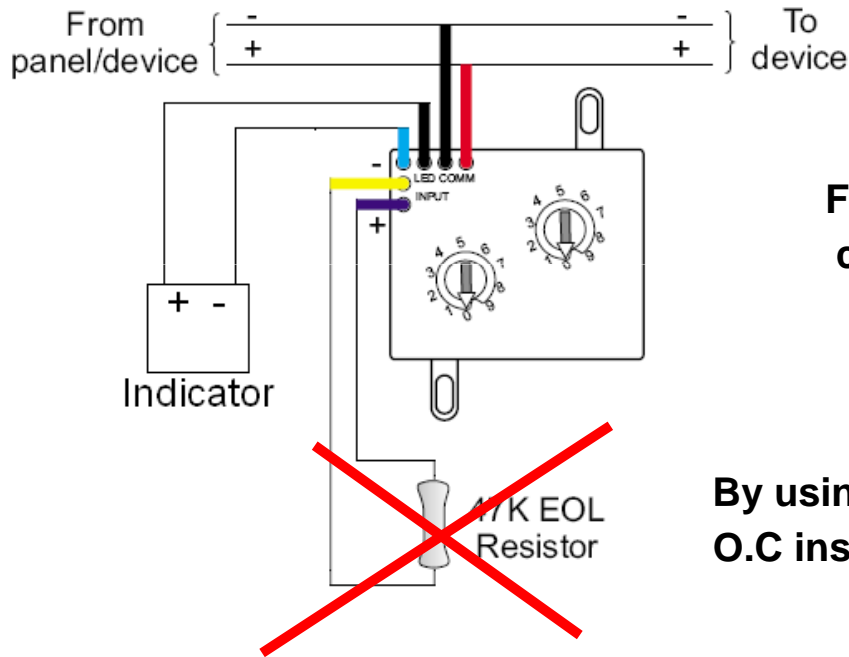
V1 JJ

Remote indication

Honeywell

Using MMX102

Exception for using a Input Module as Output Module



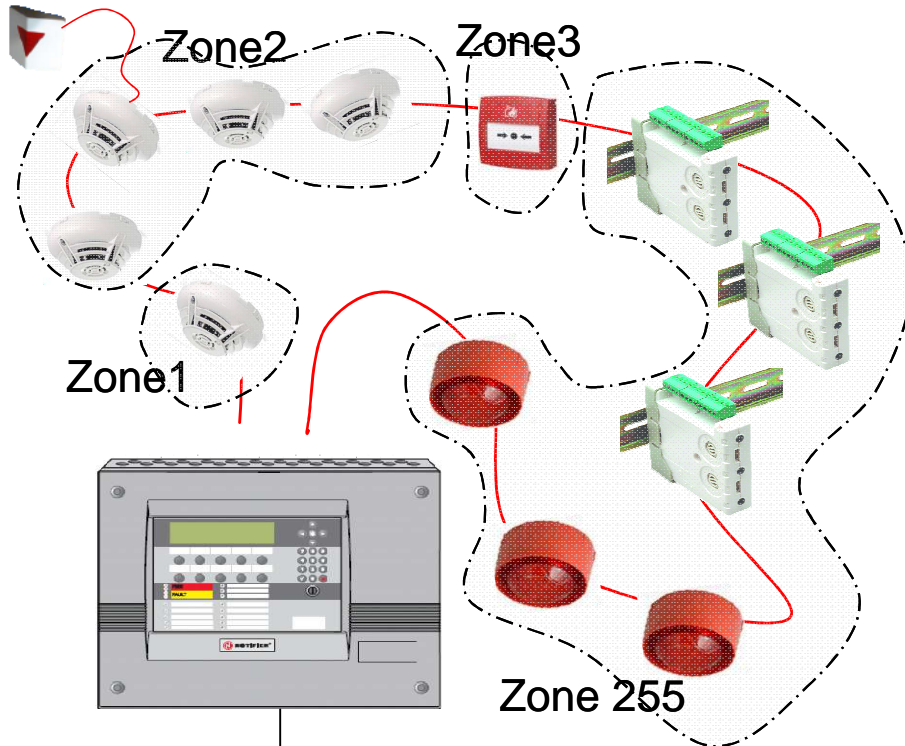
For using a MMX102e as Indicator, configure as Monitor module! MON

By using with NF3000, switch off O.C instead off placing the E.O.L



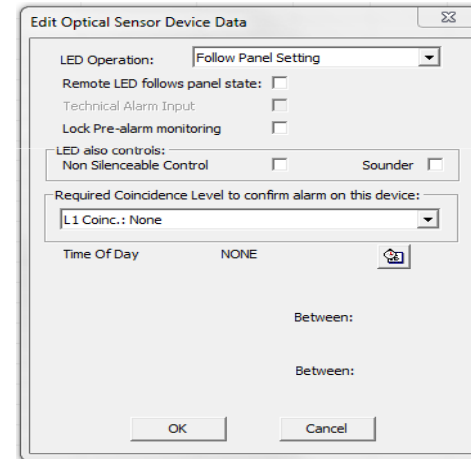
To Do Remote led with AP

Honeywell



In configuration Tool

1. Sensor F2 Set checkbox "Remote led follows panel state" in F2 by Sensor L1/S03




2. Control Matrix

Input: zone1, any input device type
Output: Activate Sensor L1/S03


ID3000


Edit Current Panel Settings Day Mode

Honeywell



EXTEND DELAY





Extent transmission delay

Create New Panel Configuration

Pulse Options | UE Configuration | Remote Fire Outputs | Alarm Coincidence | Extinguishing System | **VSS Network Options** | **Day/Night Mode**

Specification | Other options | Loop Setting | Port/Printer Options | Tests | Disablements

Timeout for First Investigation Period: 60 sec.

Timeout for Second Investigation Period: 10 min.

Cancel Investigation Delay if New alarm during 2nd Investigation Period

Alarm from Sprinkler over-rides Investigation Delay

Day/Night Mode Switched by Input 2: No

End Day Mode at Specified Times of Day:

Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, At: 00:00 00:00

At: 00:00 00:00

Print OK Cancel Help

1. First timer for accepting an alarm, second timer is set after pressing “Extend Delay”
2. Sprinkler installation only. If sprinkler is activated, transmission delays are canceled
3. Time/Day schedule for resetting Day mode to Night mode
4. If a second “aut. detection” zone is activated, transmission delays are canceled.
5. Resetting the “Day mode” to “Night mode” by Onboard Input 2

Setting Time Of Day Program TOD

Honeywell

Time of day program can be used for:

- Sensor sensitivity
- Control matrix
- Cancelling all Disablements on panel
- **Set Day Night Mode**

1 #

2 #

3 #

4 #

No start time allowed

1. Each panel has 7 Time Of Day programs
2. “Enable Manual Override” allows aborting a TOD Action by panel (see next slide)
3. Two sets per day can be created by selecting the day followed by the “add” button.
4. Where needed, two start times and stop times can be selected for each “day set”.

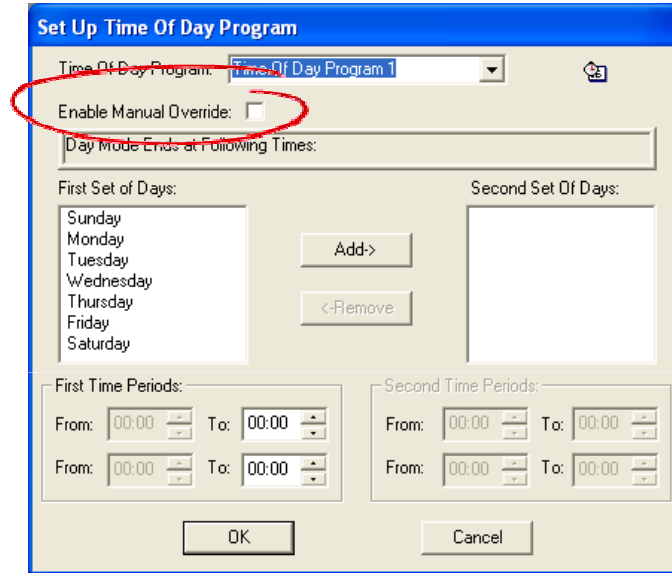
Setting Time Of Day Program TOD

Honeywell

Activate Manual Override:



MAKE SELECTION



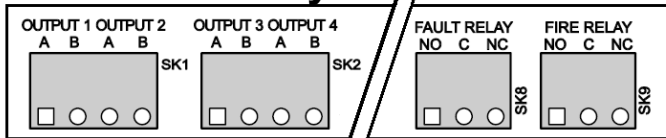
Note:

By set the TOD Override, the TOD action will not execute if "Manual Override" is selected and override on panel.

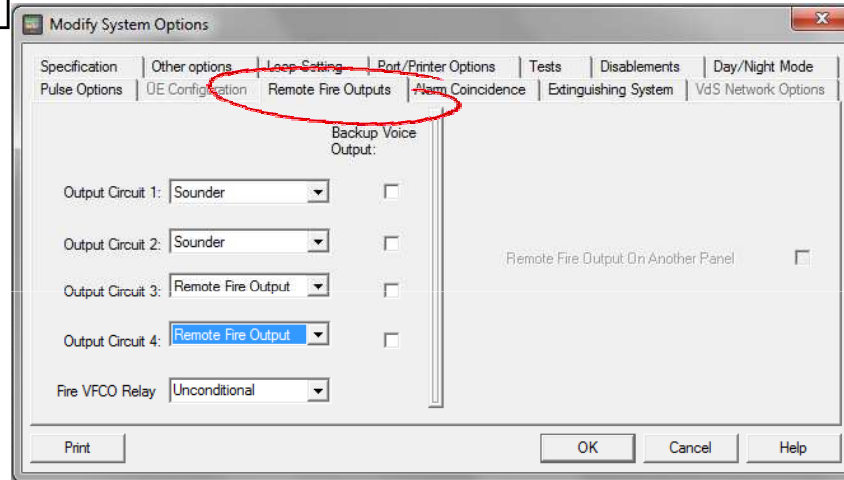
Edit Current Panel Settings Remote Fire Output

Honeywell

Onboard relays



Transmission delay
 In order to use "Day/Night" Delays, at least 1 output must be configured as remote

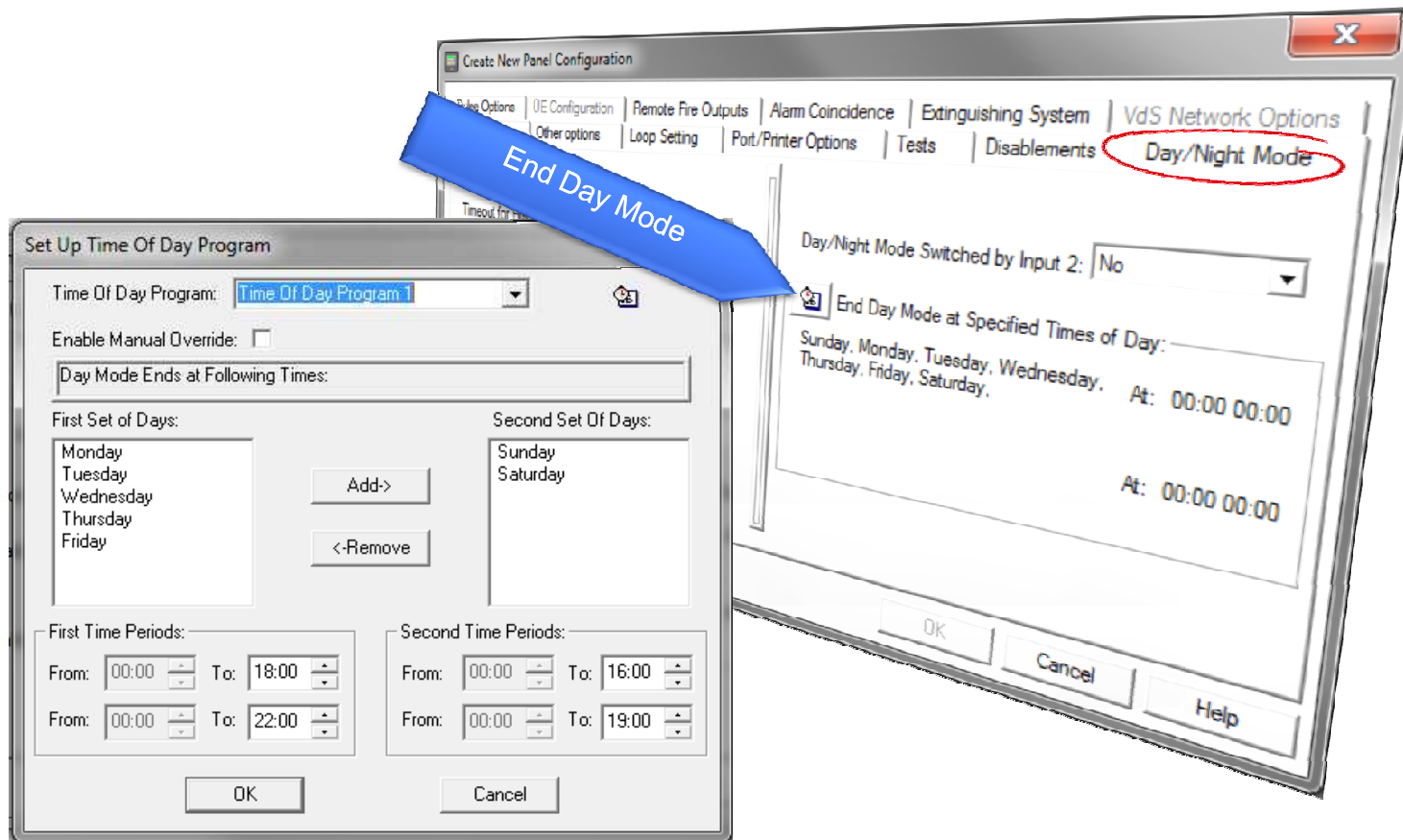


Onboard

1. Supervised outputs, configurable as "Sounder" (common) or "remote output"
2. Supervised or Unsupervised (potential free) outputs, configurable as "Sounder" or "remote output" (common).
3. Potential free Contact, selectable as "Unconditional" or "Remote fire" (NOT Configurable)
4. Optional for Virtual Output Points.

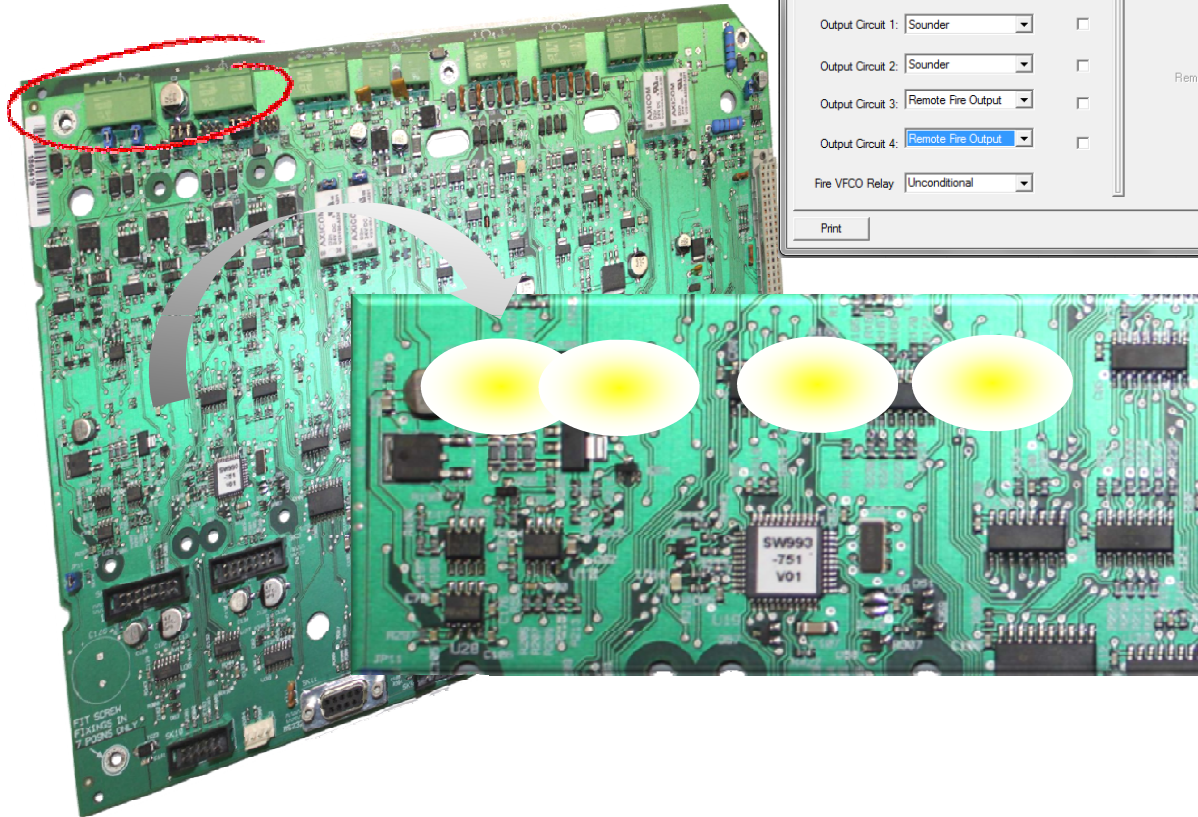
End Day Mode at Specified Times of Day

Honeywell



Led Indication Relay outputs

Honeywell



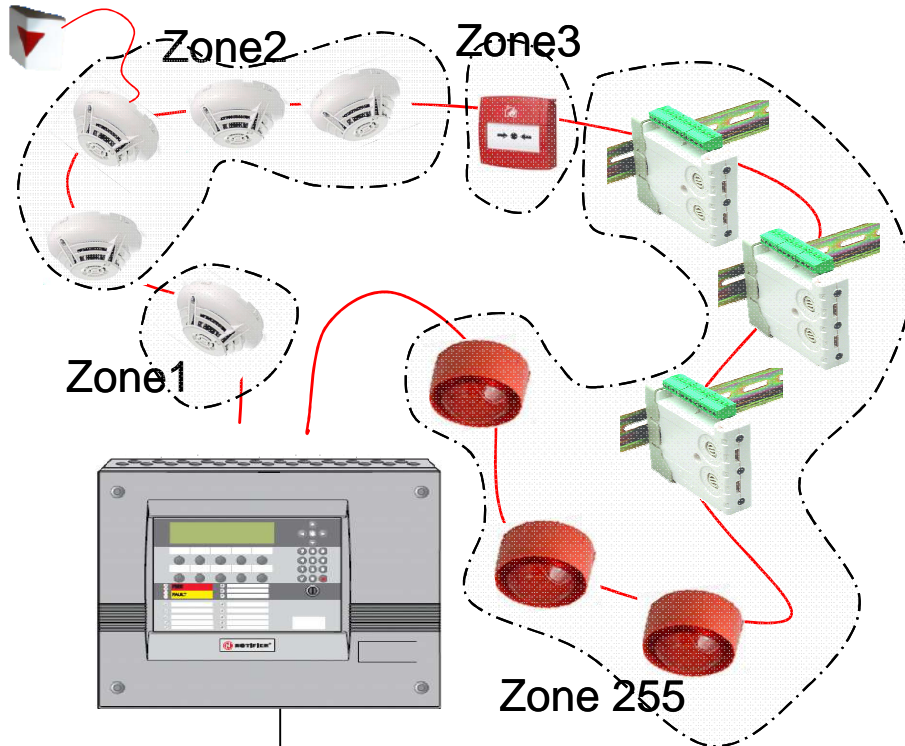
 **NOTIFIER**
by Honeywell

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V1 JJ

To Do: Separated Fire transmission

Honeywell



Rel 3 Rel 4

Remote Remote

Aut. fire MCP fire

In configuration Tool

Panel setting

1. Set Remote fire outputs

- Output 3 – Remote Fire output
- Output 4 – Remote Fire output

2. Day/Night Mode

- Timeout first delay 30 Sec.
- Timeout Second delay 1Min.
- Select End daymode

3. Control Matrix

- Input: All zones, any analogue sensor
- Output: Activateremote fire output 3

Input: All zones, any MCP

Output: Activate Remote fire output



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V1 JJ

ID3000

Edit Current Panel Settings Disablement

Honeywell

1. Disable the input or/and output in a zone if disabled by auxiliary (Remote)
2. Delay activate disable led and delay led. Default is checked,
3. ONLY VDS. Disable and Enable sounders by “silence/resound” button on front
4. Remote Disablement will automatically enabled, controlled by TOD

ID3000

SPECIALIST

Honeywell

SPECIALIST

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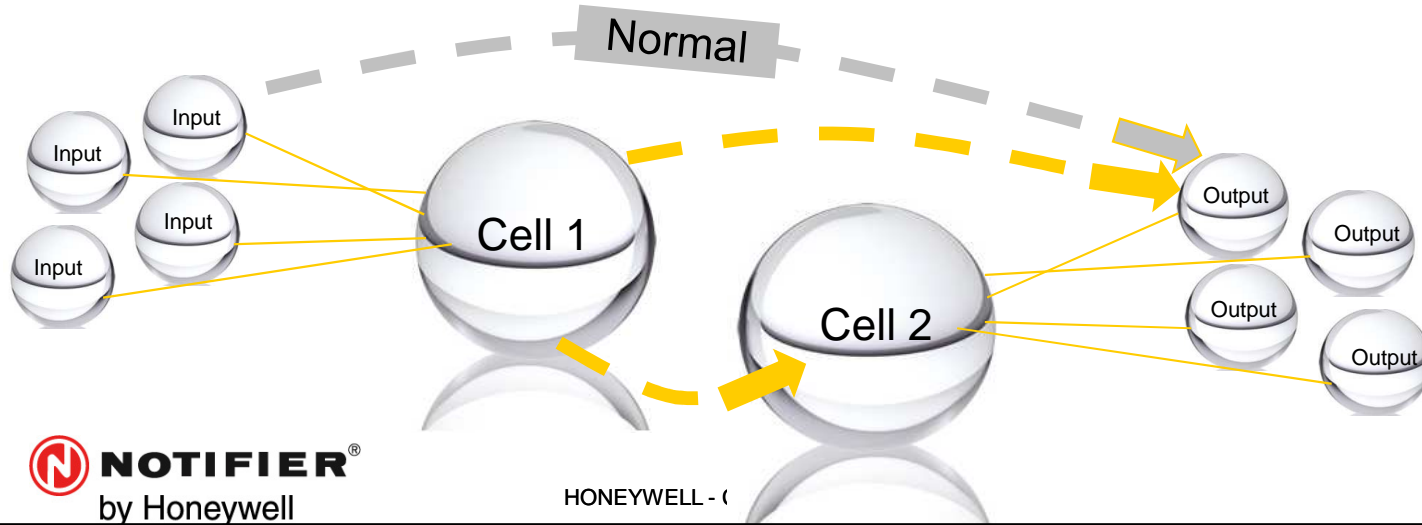
V1 JJ

Cell

Honeywell

Loop +Address:	Device Description:	Type:	Zone Num.:	Zone Ref.:	Zone Description:	Cell:	Alarm Lev./reshold (mA)	PreAlarm Lev.:	Fault	Detect Fire	S/C	O/C	Fire Delay	Fault Delay	Priority Scan	Other Functions - F2:
Loop 1																
Sensors																
1		HEAT	1		Undefined		5	5	ON				3	20	OFF	
2		HEAT	1		Undefined		5	5	ON				3	20	OFF	
3		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
4		HEAT	1		Undefined		5	5	ON				3	20	OFF	
5		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
6		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
7		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
8		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
9		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
10		HEAT	1		Undefined	0	5	5	ON				3	20	OFF	
Modules																
Loop 2																
						0										
						0										
						0										
						0										
						0										

- Each input and output can assigned to an cell



Cells

Honeywell

Loop

Zone 1

Zone 2

Zone 3

Cell 1

A specific loop can be divided in:

- Loop number
- Address Individual Devices
- Zones Numbers
- Cells (additional)

Cells.

Cells are used for grouping individual devices on a panel for activating outputs (and grouping view detector)

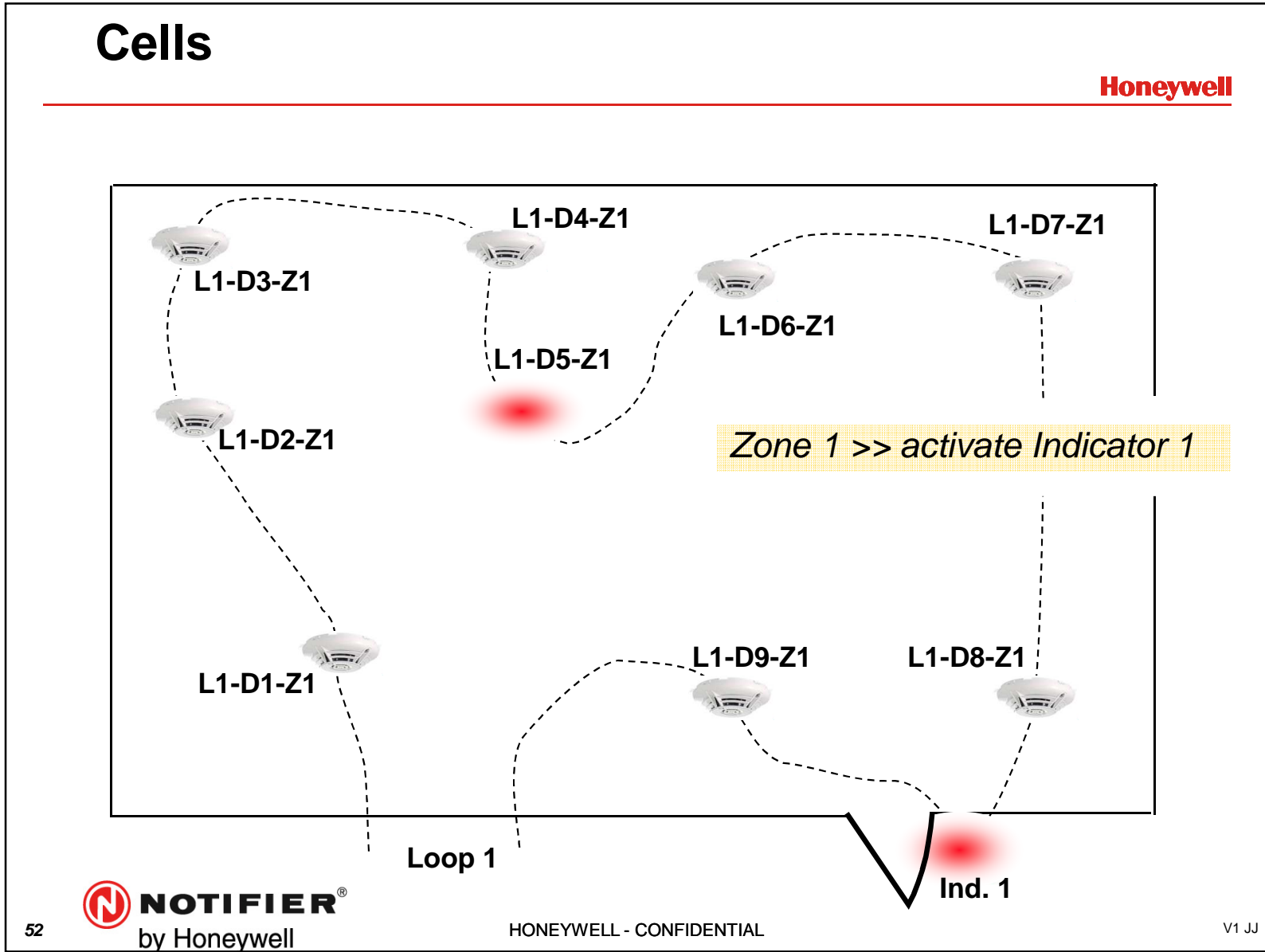
On Each Panel up to 255 cells can be configured.

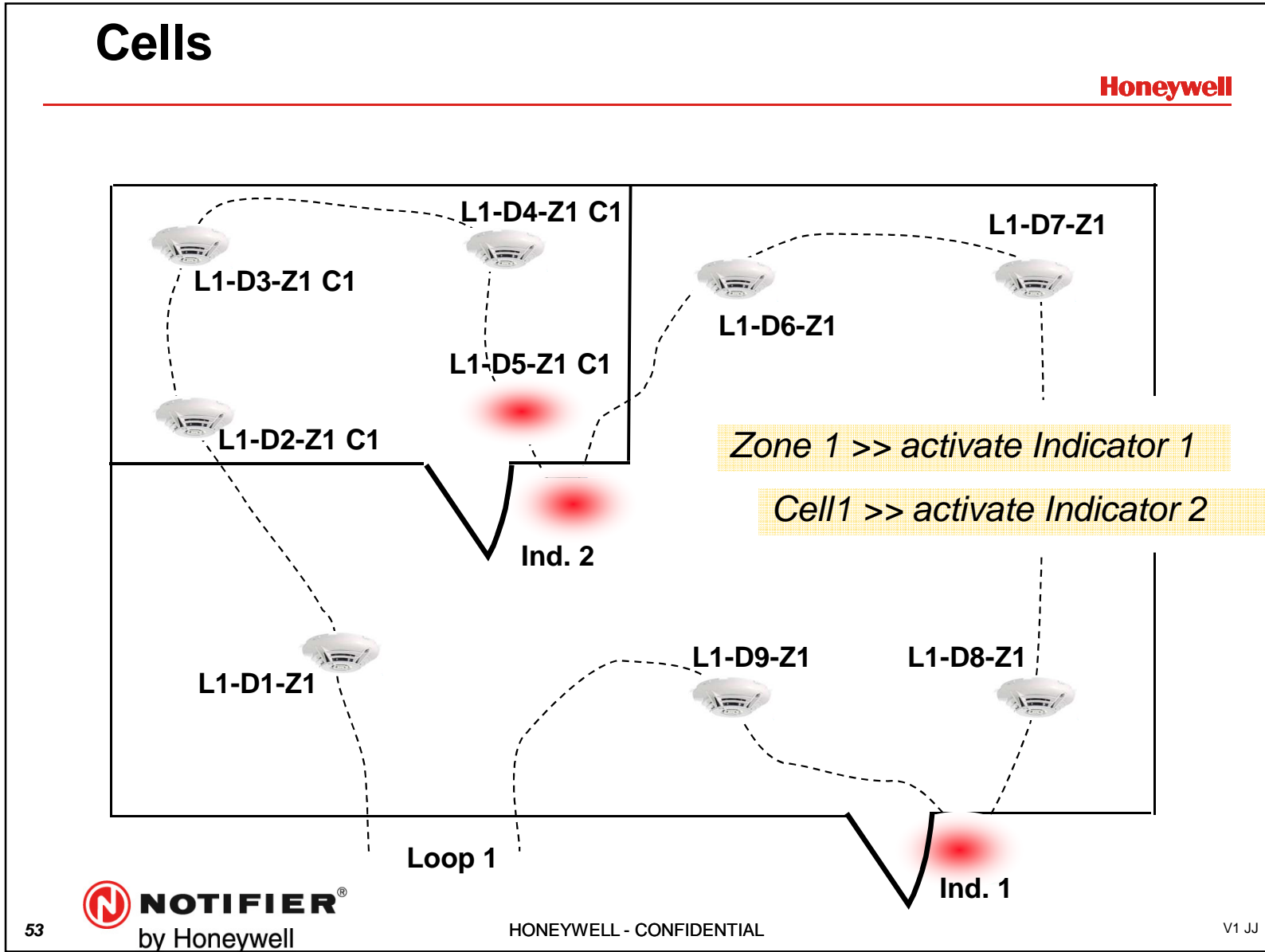
N

NOTIFIER
by Honeywell

HONEYWELL - CONFIDENTIAL

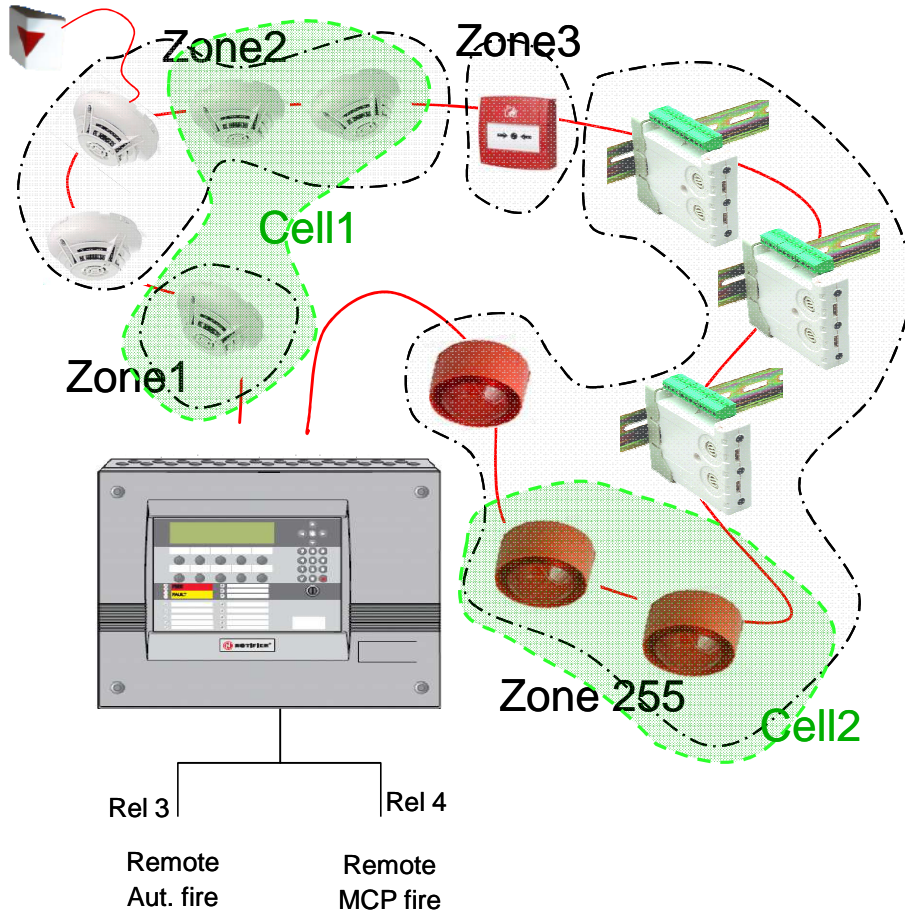
V1 JJ





To Do: Cell Activation

Honeywell



In configuration Tool

Elements

1. Set detector in cells

Sensor 1,4,5 = Cell 1

Sounder 2,3 = Cell 2

2. Control Matrix

Input: Alarm Cell 1

Output: Activate Remote led Sensor 3

Input: Alarm MCP zone 3

Output: Cell 2

Edit Current Panel Settings Other Options

Honeywell

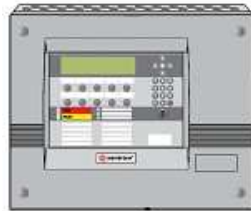
The screenshot shows the 'Create New Panel Configuration' window with the 'Other options' tab selected. Three blue callout boxes point to specific settings:

- Delay backlight display (0=remain on in access mode):** Points to the 'for LCD Backlight:' setting.
- Led blinking loop devices (Select F2 for individual selection):** Points to the 'Device LED normal Operation:' setting.
- Delay powerfault warning (0= 5 seconds):** Points to the 'Extra Delay for Mains Failure:' setting.

Other visible settings include 'Log Auxiliary (Non Alarm) Input Actions:', 'Relay Circuits silenceable by Silence Sounders:', 'Re-sound Buzzer on New Alarm Same Zone:', and 'Include Re-Sound in New Local Alarm Action:'.

Edit Current Panel Settings Other Options

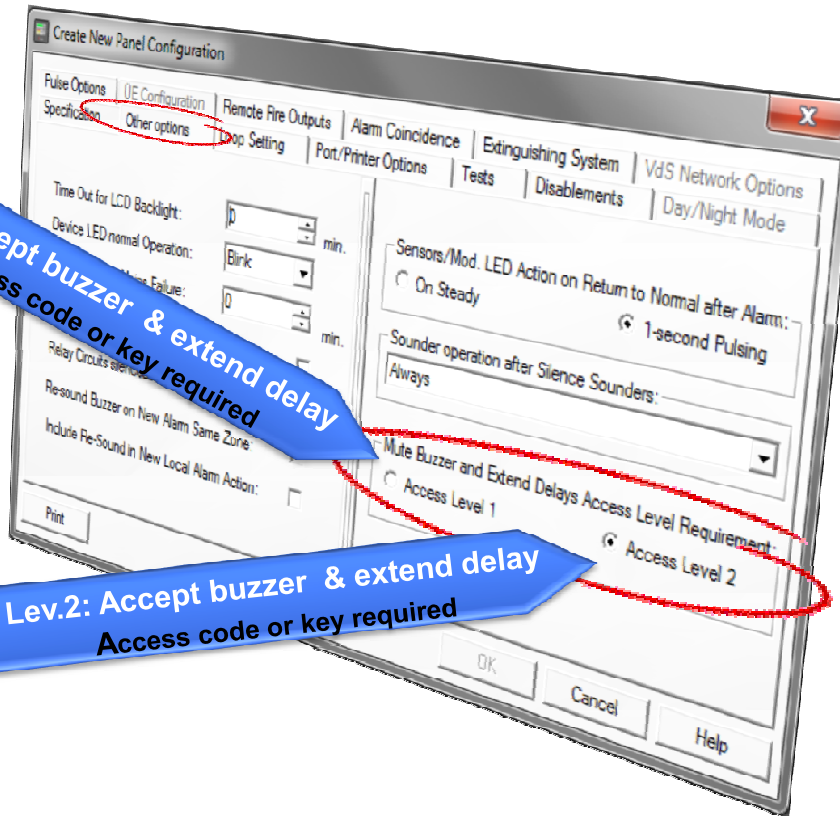
Honeywell



Mute buzzer



Extent transmission delay



Lev.1: Accept buzzer & extend delay
No access code or key required

Lev.2: Accept buzzer & extend delay
Access code or key required

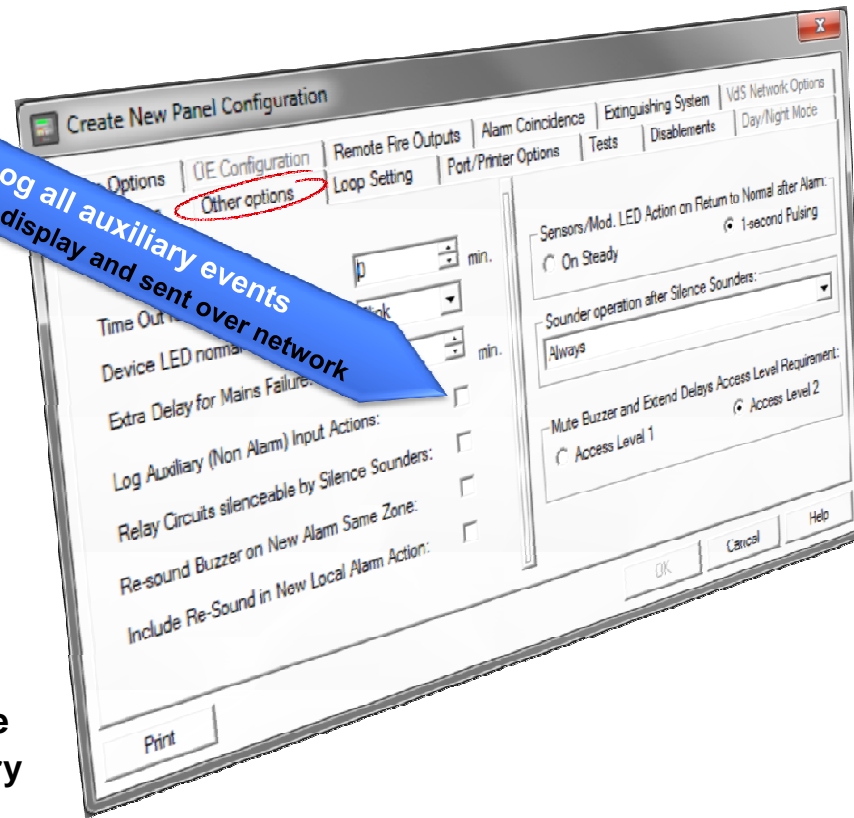


Edit Current Panel Settings Other Options

Honeywell



Log all auxiliary events
logbook, display and sent over network

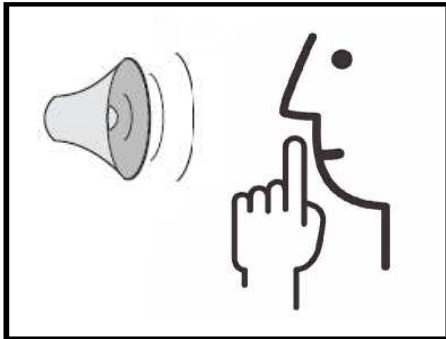


Note:

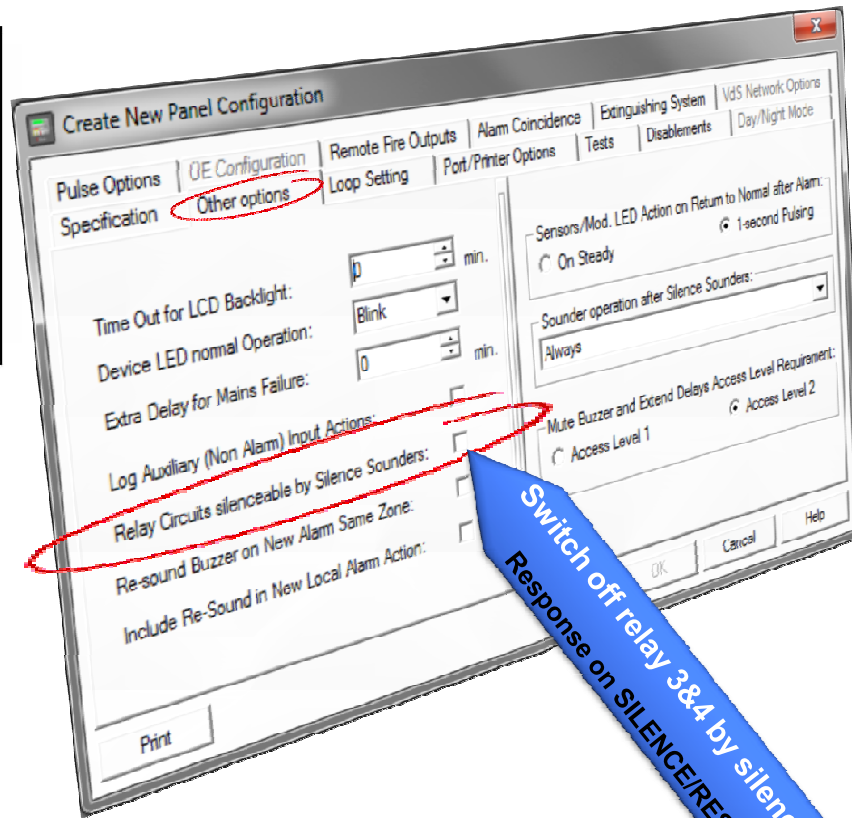
Selecting this option can cause
overwriting other events in the
log by high repeatedly auxiliary
events.

Edit Current Panel Settings Other Options

Honeywell

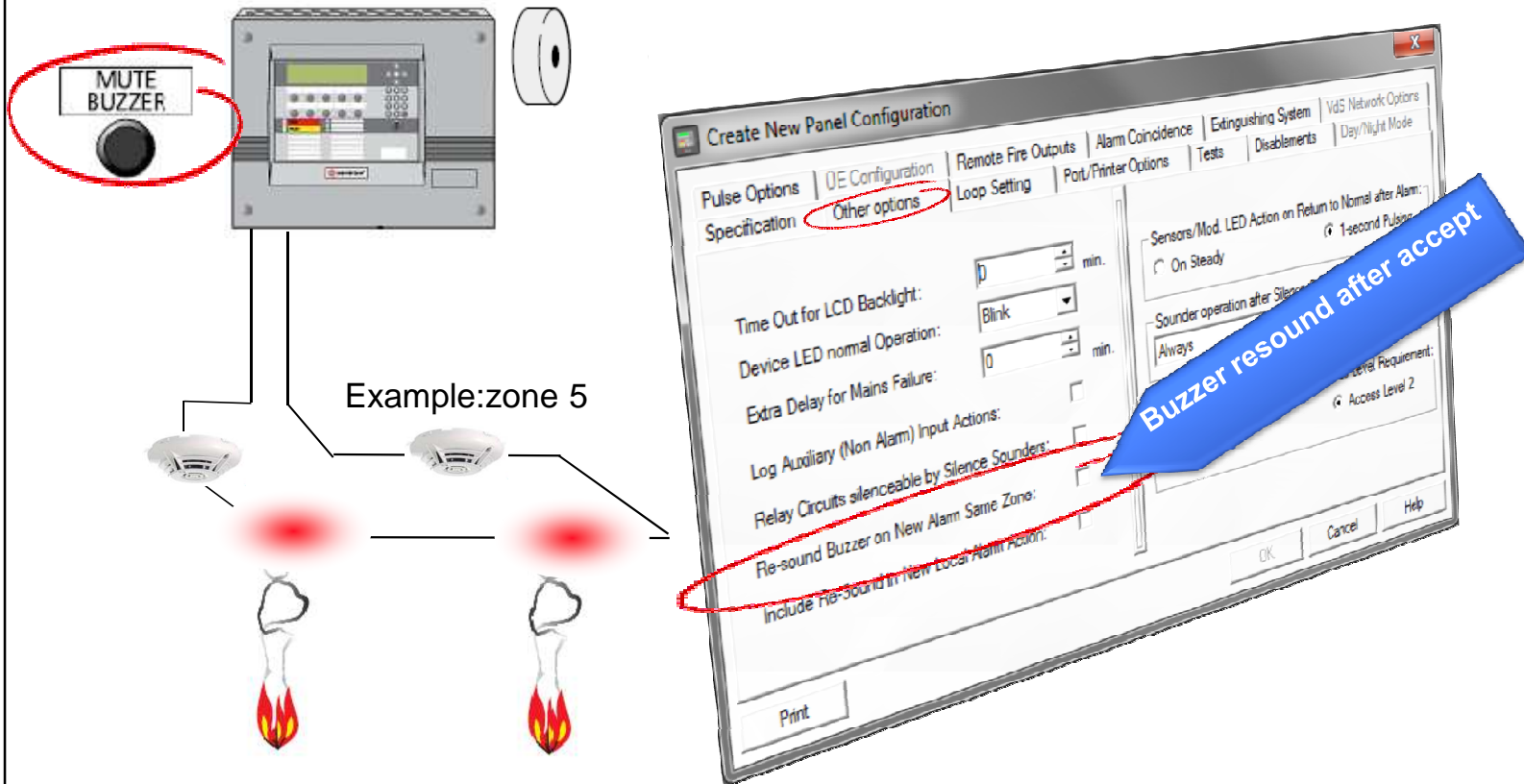


Note: Check this box if the internal sounder/relay circuit 3 and 4, when configured in hardware as relay circuit, are switched off when the SILENCE/RESOUND button is operated to silence the sounders



Edit Current Panel Settings Other Options

Honeywell

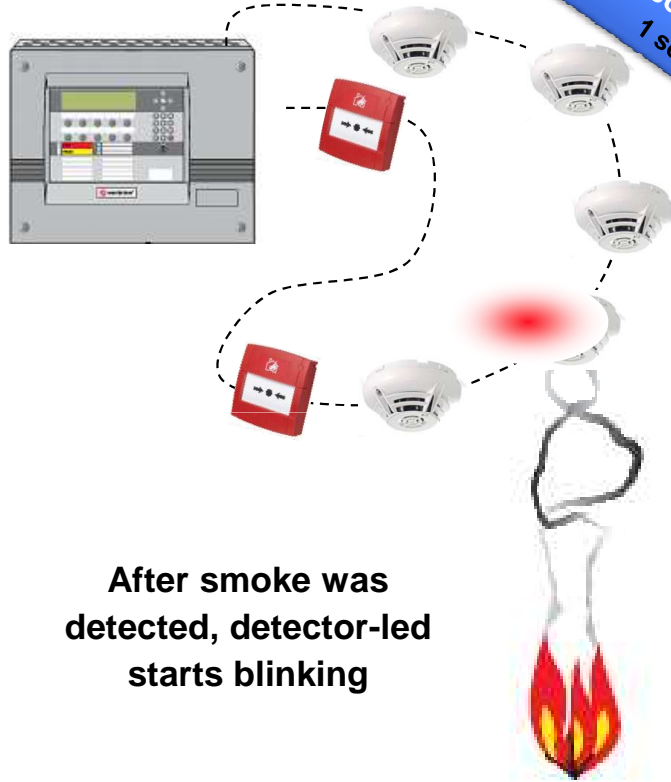


1. If a second fire alarm is detected in the same zone, buzzer can resound after "Mute Buzzer"



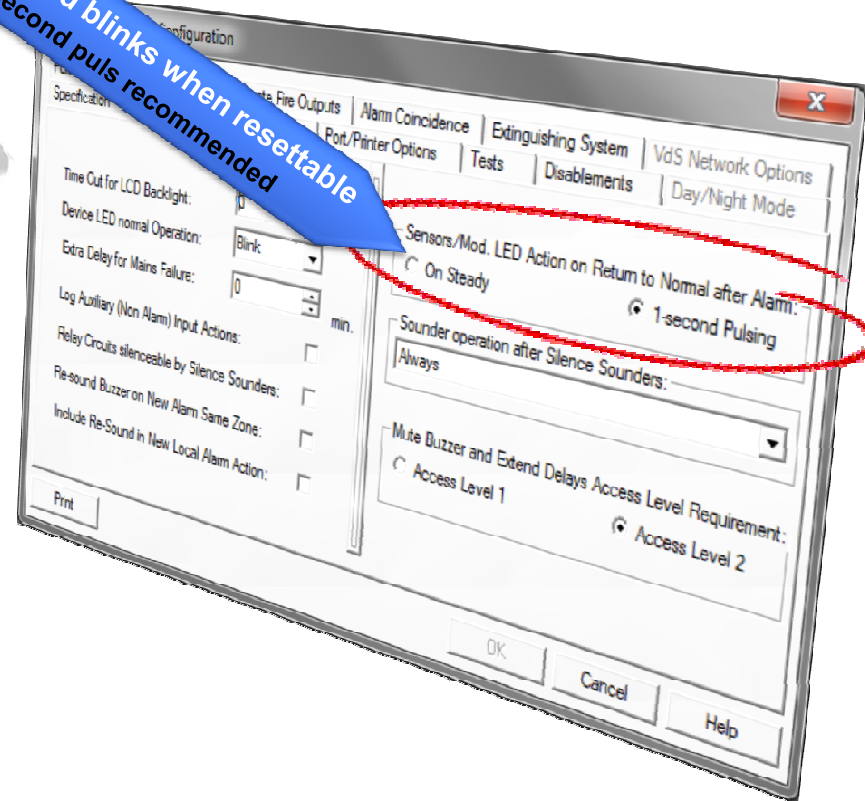
Edit Current Panel Settings Other Options

Honeywell



After smoke was detected, detector-led starts blinking

Sensor Led blinks when resettable
1 second puls recommended



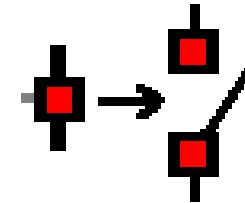
Auxiliaries on-board and loops

Honeywell

Auxiliaries inputs are a powerful and helpful
in any system configuration!

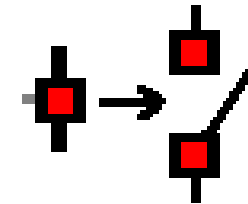
Aux-input can :

- Disable individual elements or entire zones
- Reset, accept panel
- Evacuate
- Silence sounders
- Change sensor sensitivity / thermal only
- Activate output modules
- **Change day-mode**



Auxiliaries on-board and loops

Honeywell



AUXILIARY MODULES

- Cannot generate an alarm of Fire.
- Must be referred to individually (not by zone) in the Control Matrix.
- Generate non-latching Control Matrix output operation.
- Are treated in the usual way, if faulty.
- Cannot have a delayed output.
- Are not included in zone operations*.

* Exception: if the zone only has AUX inputs then disable All Inputs will disable the AUX modules.

ID3000

Edit Current Panel Settings Disablement

Honeywell

DISABLEMENT

TEST

POWER

DAY MODE

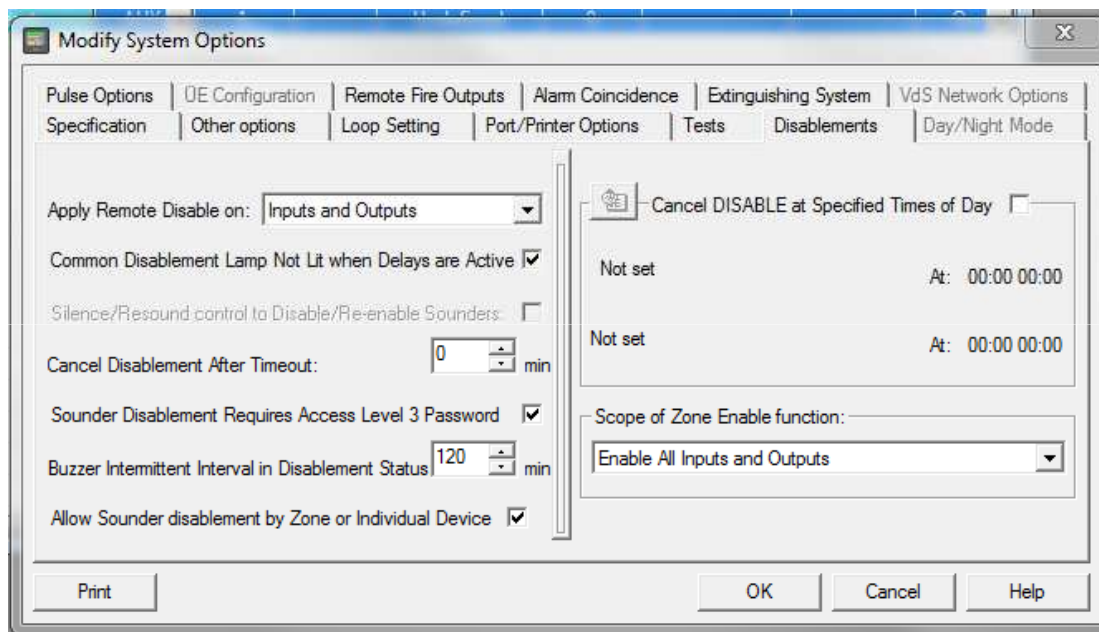
DELAYS ACTIVE

NON-FIRE ACTIVE

1. Disable the input or/and output in a zone if disabled by auxiliary (Remote)
2. Delay activate disable led and delay led. Default is UNchecked,
3. ONLY VDS. Disable and Enable sounders by “silence/resound” button on front

Advised

Honeywell



ID3000

Edit Current Panel Settings Disablement

Honeywell

DISABLEMENT

TEST

POWER

DAY MODE

DELAYS ACTIVE

NON-FIRE ACTIVE

Create New Panel Configuration

Pulse Options | UE Configuration | Remote Fire Outputs | Alarm Coincidence | Extinguishing System | VdS Network Options
 Specification | Other options | Loop Setting | Port/Printer Options | Tests | **Disabling** | Day/Night Mode

Apply Remote Disable on: All Inputs

Common Disabling Lamp Not Lit when Delays are Active

Silence/Resound control to Disable/Re-enable Sounders:

Cancel Disablement After Timeout: 0 min

Sounder Disablement Requires Access Level 3 Password

Buzzer Intermittent Interval in Disablement Status: 2 min

Allow Sounder disablement by Zone or Individual Device

Cancel DISABLE at Specified Times of Day

Not set At: 00:00 00:00

Not set At: 00:00 00:00

Scope of Zone Enable function: Enable All Inputs

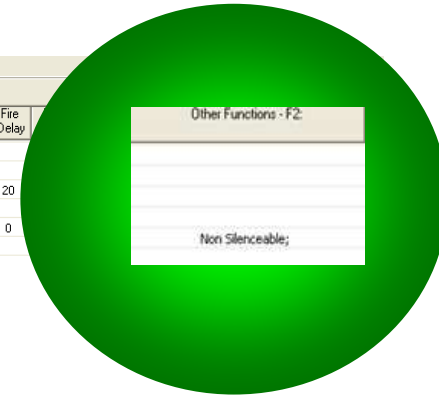
Print OK Cancel Help

5. By Remote disablement, re-enablement after selected time.
6. If checked, sounder disablement only possible in access level 3
7. During disablement buzzer interval is selected time (default is 2 min).
8. Sounders can be disable by complete zone or as individual device.
9. Scope of disablement (input/output) by panel

F2 Functions Detectors and modules



Loop +Address:	Device Description:	Type:	Zone Num.:	Zone Ref.:	Zone Description:	Cell:	Alarm Lev./ Threshold (mA)	PreAlarm Lev.:	Fault	Detect Fire	S/C	O/C	Fire Delay
Loop 1													
-	Sensors												
1		OPT	1		Undefined	0	5	5	ON				20
-	Modules												
1		CTRL	1		Undefined	0				OFF	ON	ON	0
+ Loop 2													

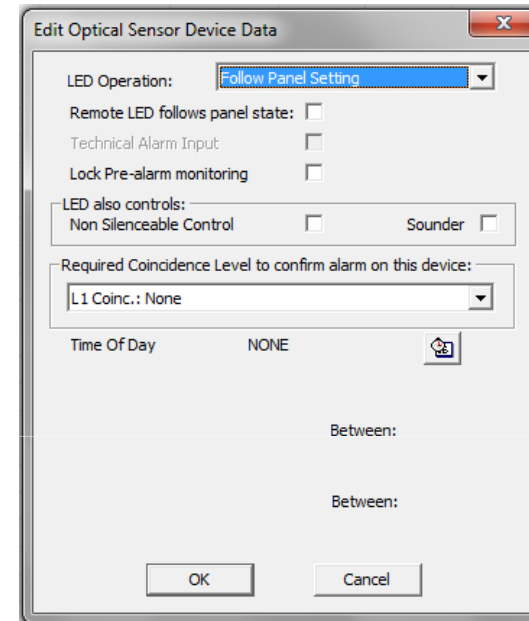


On the end of each detector or module line, extra option are available by select and pressing F2 . This opens a new windows with several functions.

ID3000

F2 Functions Detectors and modules

Honeywell



- 1 LED operation of the module/detector
- 2 Remote led follows sensor led
- 3 Detector output for relay base/sounder base (not common used)
- 3 Time Of Day sensitivity setting for detectors

67

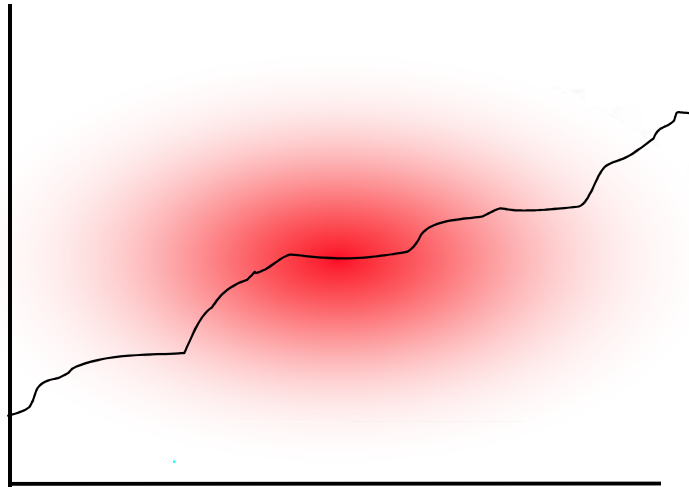
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V1 JJ

F2 Functions Detectors and modules

Honeywell



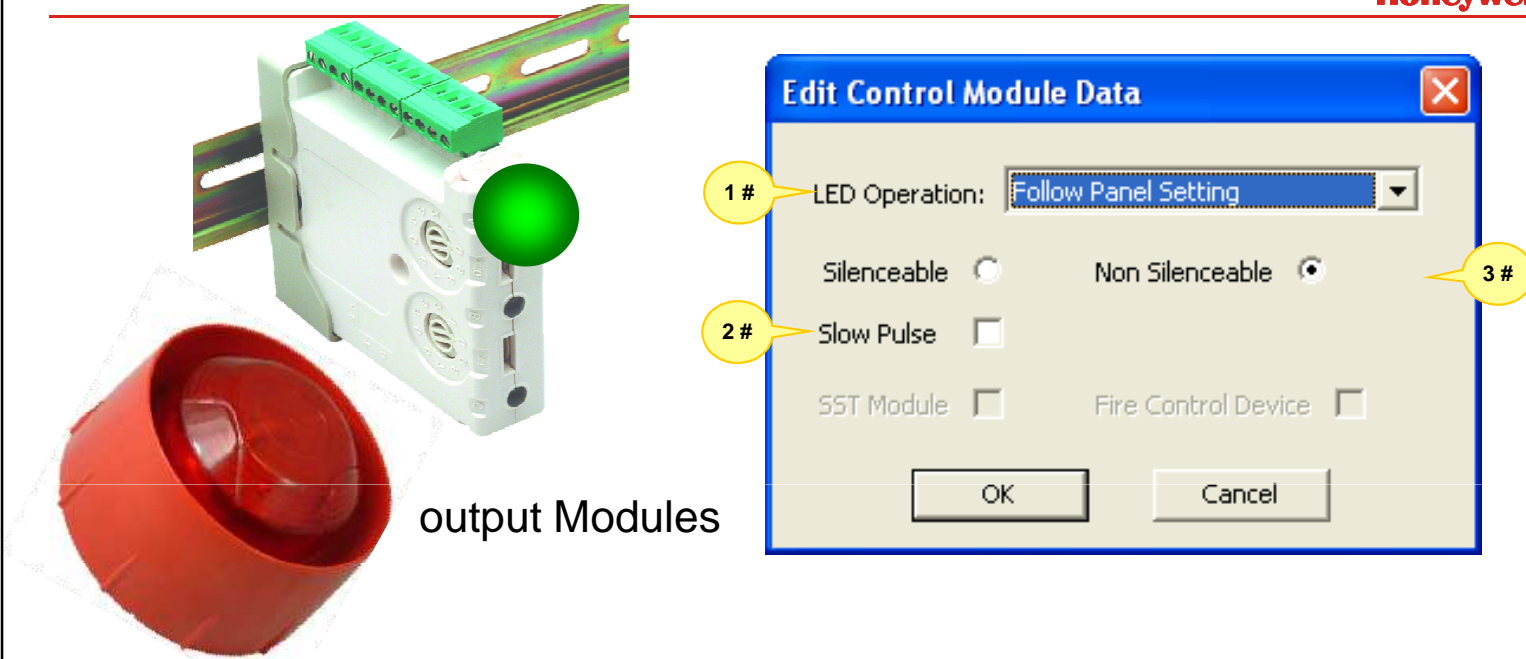
1 Adjustable Sensitivity according the select time above

2 Adjustment sensitivity controlled by day / night modus

Note: Using multi-sensors, level 6 =THERMAL ONLY!!

F2 Functions Detectors and modules

Honeywell

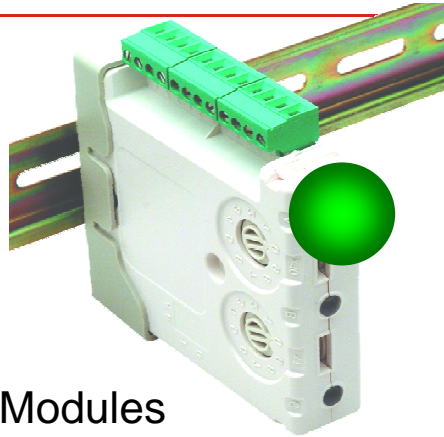


output Modules

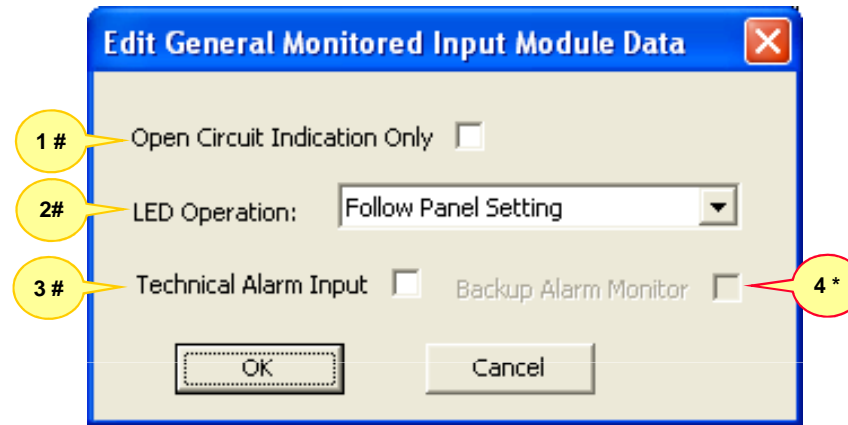
- 1 LED operation of the module/detector
- 2 Module / sounders follows "Silent Sounders"
- 3 Slow pulse Used for Sounders Synchronization (see Synchronization)

F2 Functions Detectors and modules

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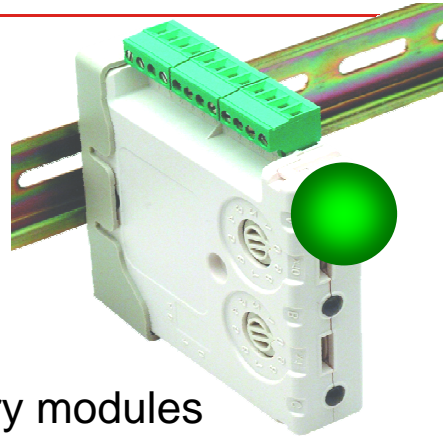
Input Modules



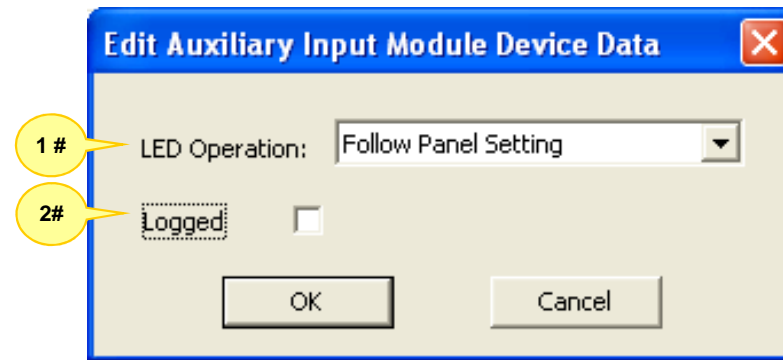
- 1 Only open circuit on module is detected
- 2 LED operation of the module/detector
- 3 Alarm on module input generate Tech alarm instead fire alarm (Only Ben.Sprklr)
- 4 Relay alarm from other panel during ID2 failure. (only with Id2 networks)

F2 Functions Detectors and modules

Honeywell



Auxiliary modules
Non fire Events

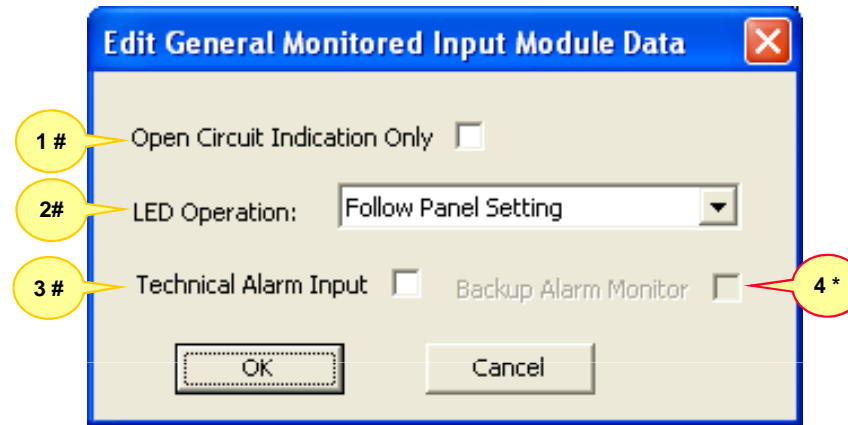
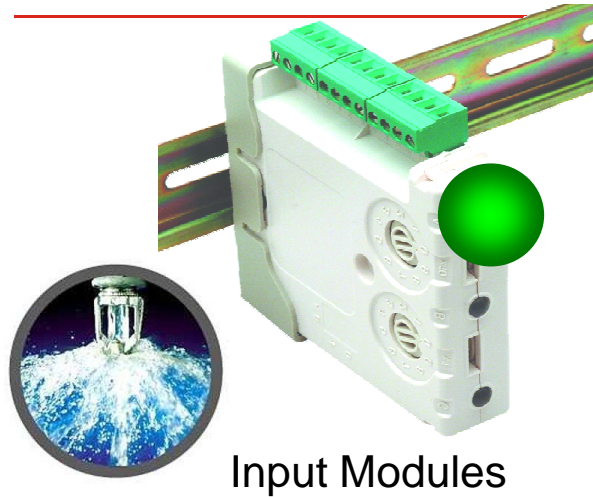


1 LED operation of the module/detector

2 Check "logged" to log, display and sent this aux. input over network

F2 Functions Detectors and modules

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- 1 Detect (Non Latch) Tech. alarm by open circuit in vds mode. (sprinkler)
- 2 LED operation of the module
- 3 Detect (Latch) Tech alarm by alarm (Ben.Sprinkler)
- 4 (only with Id2 networks) Transfer alarm from other panel during ID2 failure.

ID3000

Advance

Honeywell

ADVANCE

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V1 JJ

Control Matrix Transfer Flags

Honeywell



Control Matrix Transfer Flags



Control Matrix Inputs

Edit CBE Rules for Fabriek B (Paneel rechts)

Menu: Add/Replace Input Event, Replace Output Event, Delete Rule, Copy Rule, Cut Rule, Paste Rule

Sub-menu: Alarm, Prealarm, Fault, Disablement, Non-Fire Activation, **Transfer Flag**, Extinguishing System, EVACUATE, RESET, SILENCE, MCP in walk test, TRUE Input

	Delay:	T...	Output Effect:
	N/A	N/A	Activate All Outputs in all zones; steady
	N/A	N/A	Disable Inputs and Outputs in Network Zone ID: 3
	N/A	N/A	Activate CTRL Module L2/1; steady

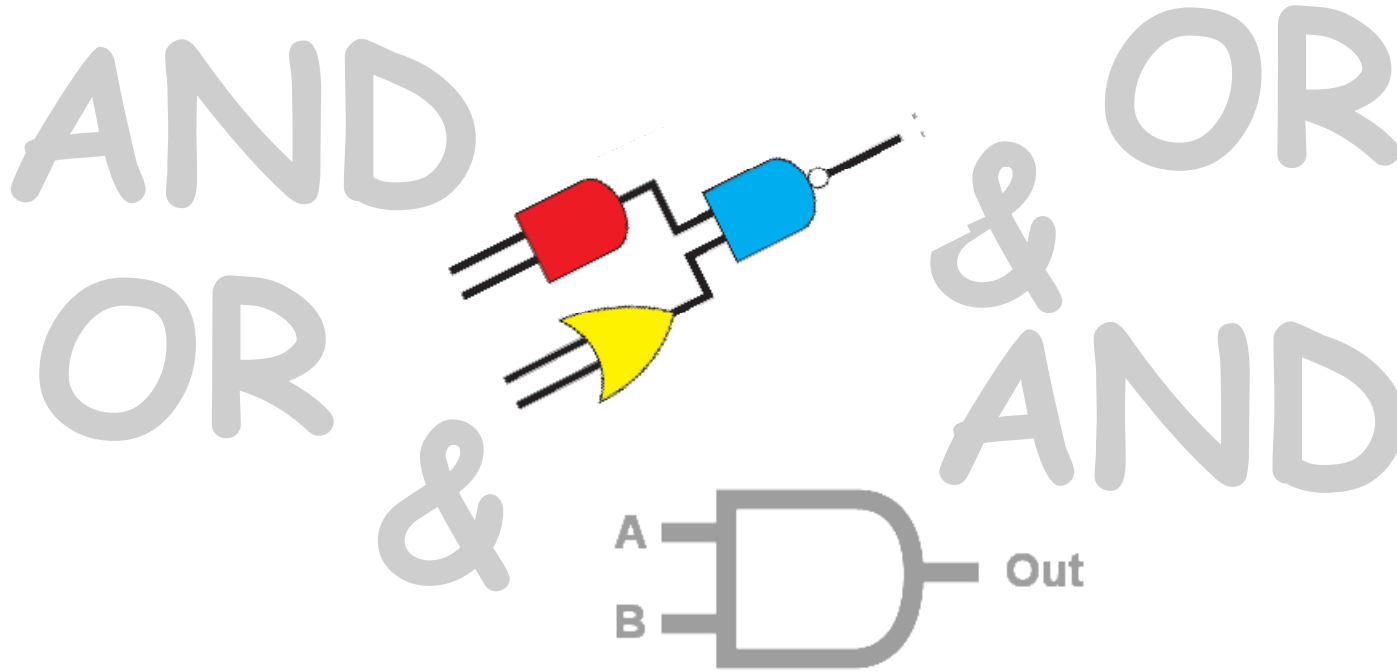
Specify Network Location: Specific Panel: Fabriek B (Paneel rechts)

Specify Transfer Flag: Transfer ID: 1



Control Matrix FLAGS Ports.

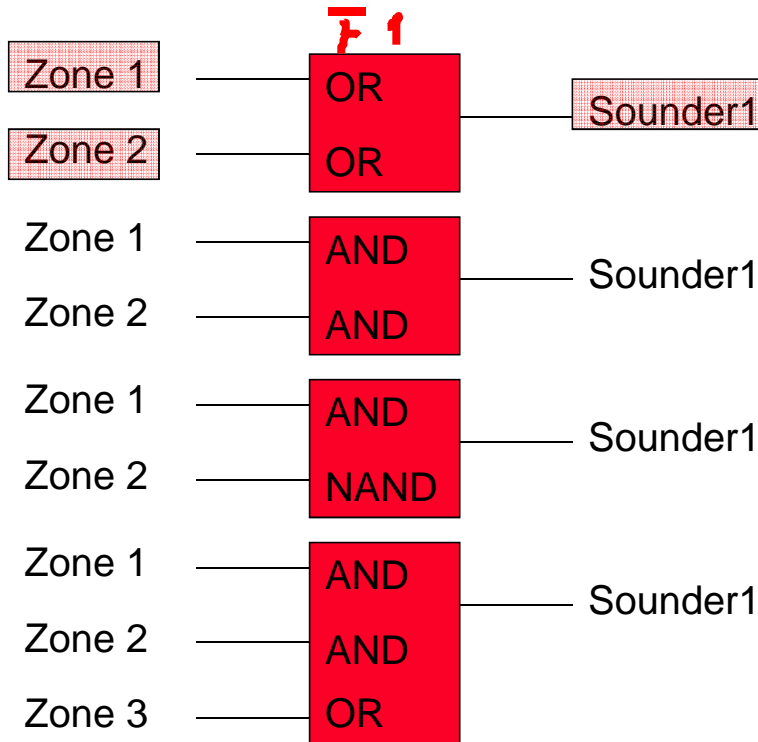
Honeywell

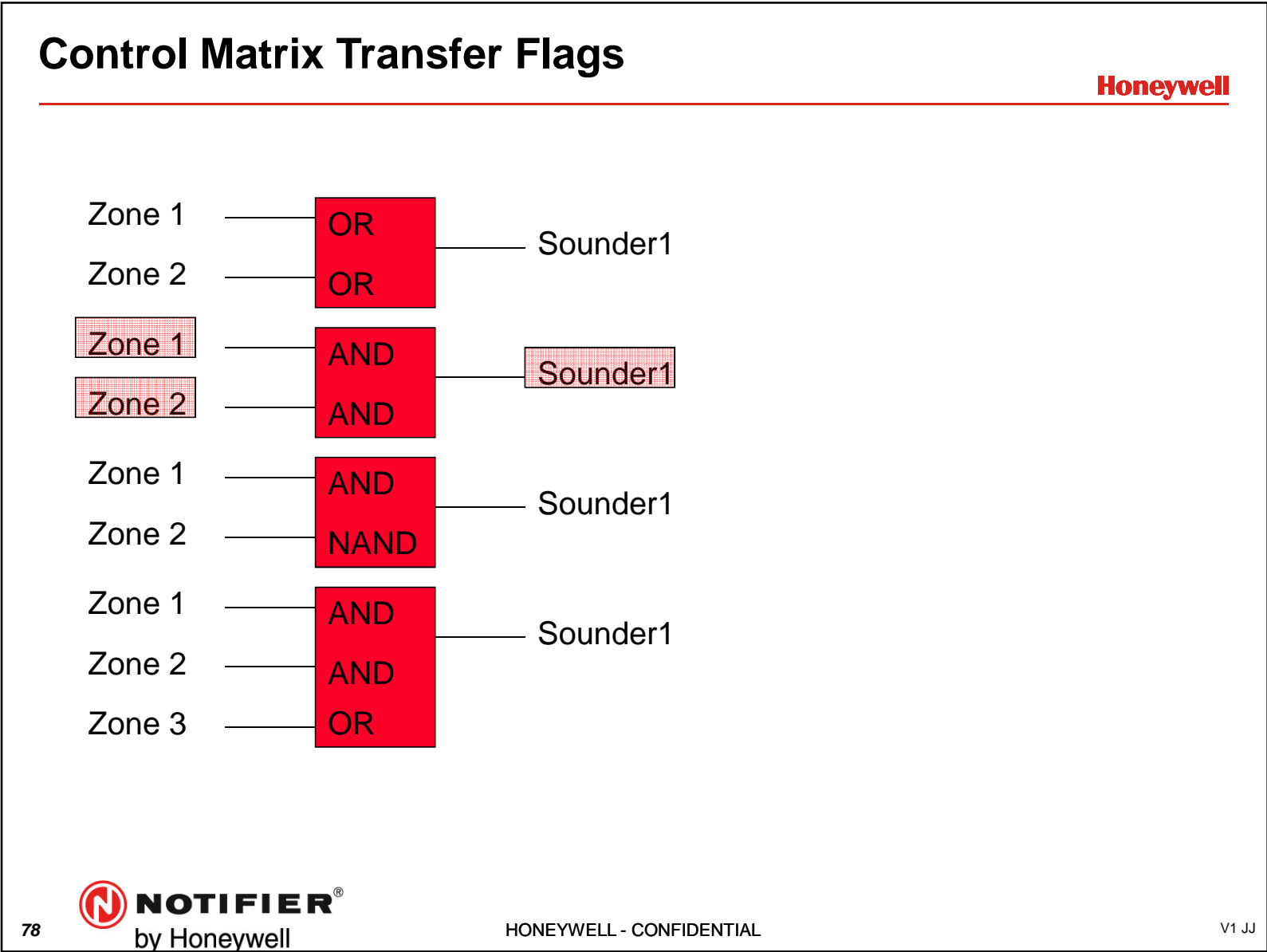


1. Flags are meant to use as Timer OR Logical Port (Booleans)
2. A Single flag can only assigned to an port or Timer.
3. Flags are a powerful tool in the control matrix, check all entries to avoid unexpected results.

Control Matrix Transfer Flags

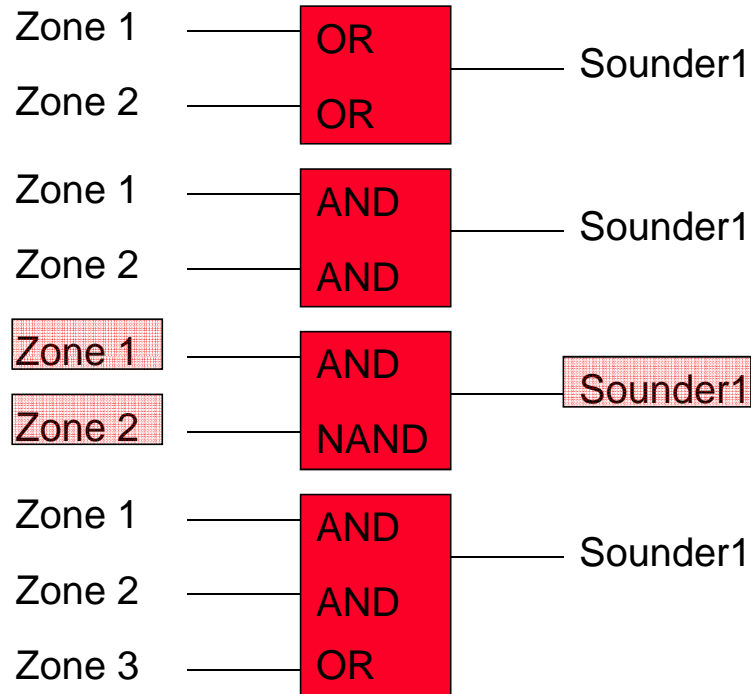
Honeywell

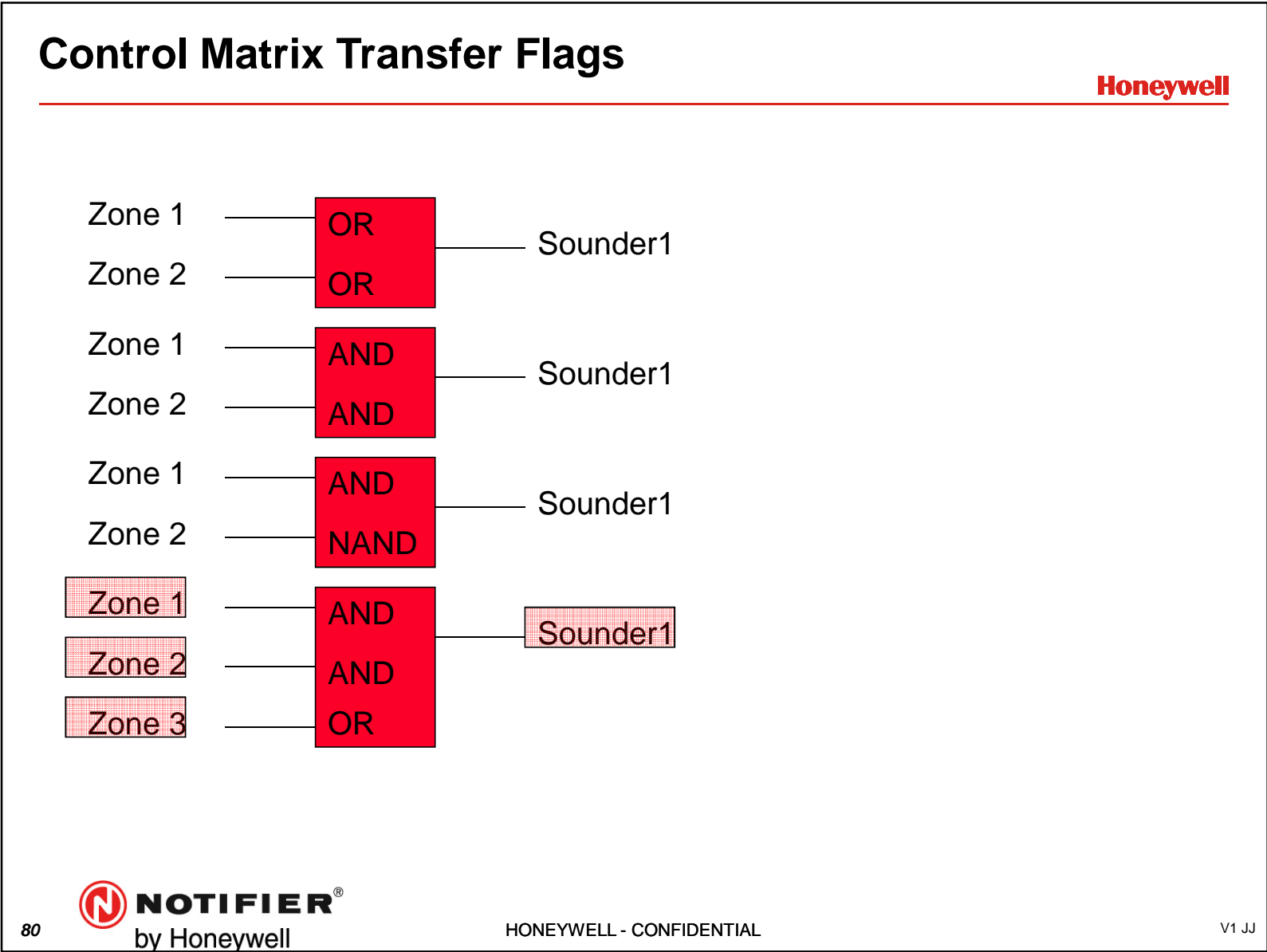




Control Matrix Transfer Flags

Honeywell



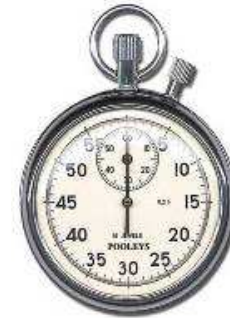


Control Matrix Transfer Flags

Honeywell



AND
TIMERS



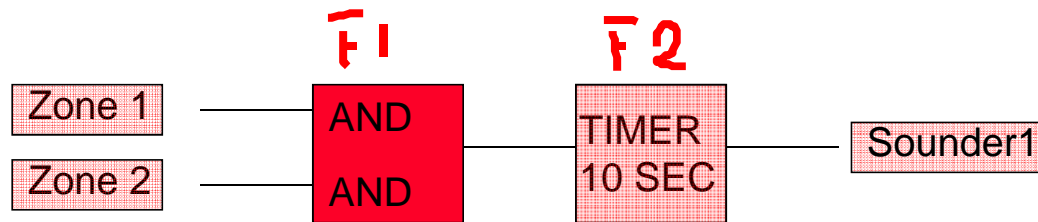
81  **NOTIFIER**[®]
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V1 JJ

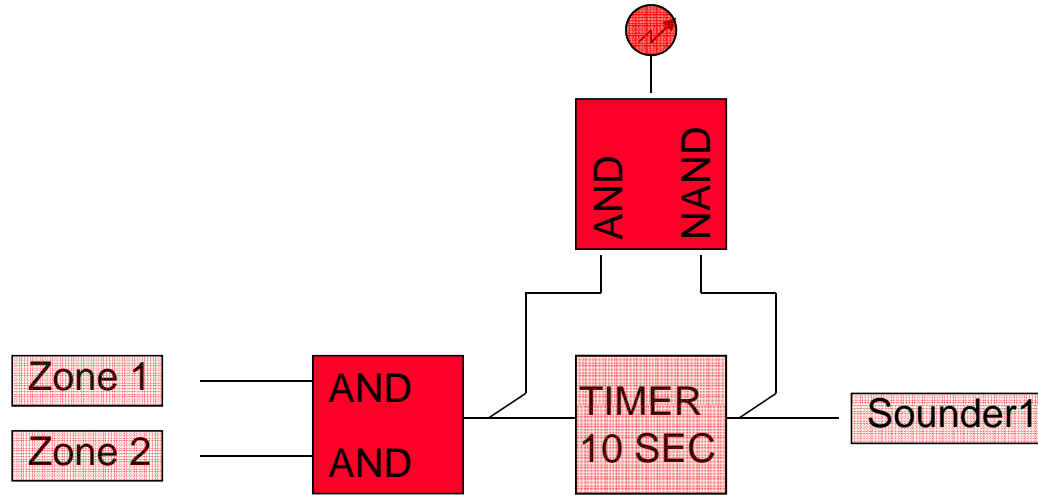
Control Matrix Transfer Flags

Honeywell



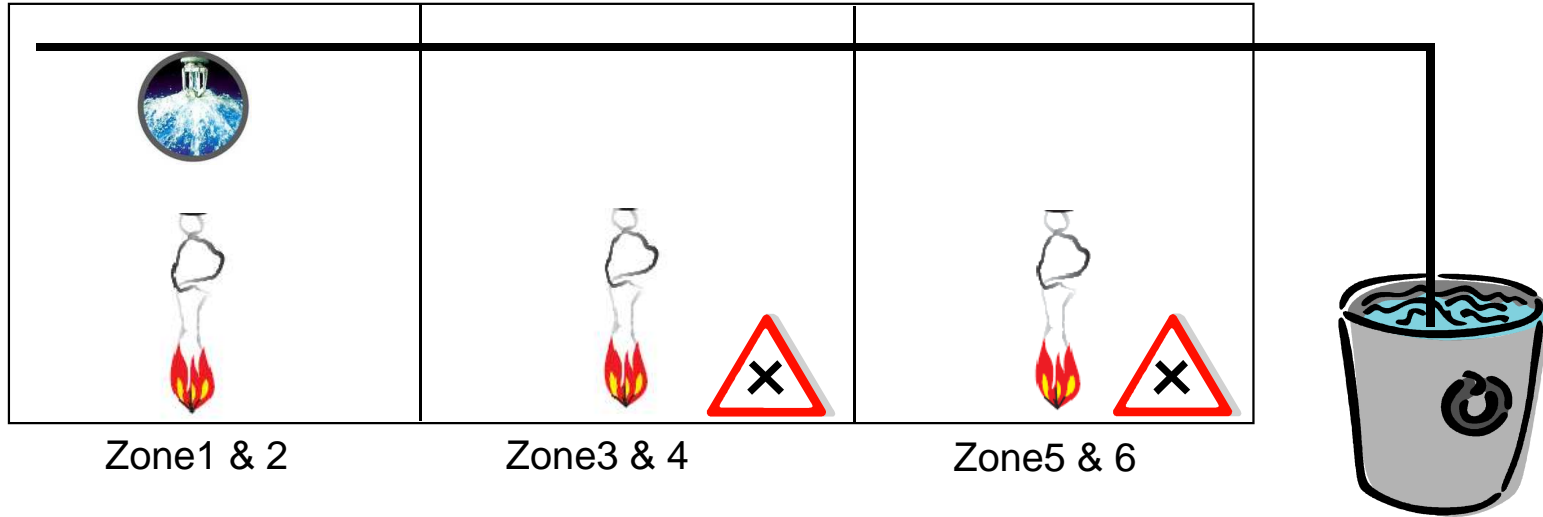
Control Matrix Transfer Flags

Honeywell



Control Matrix Lock rule

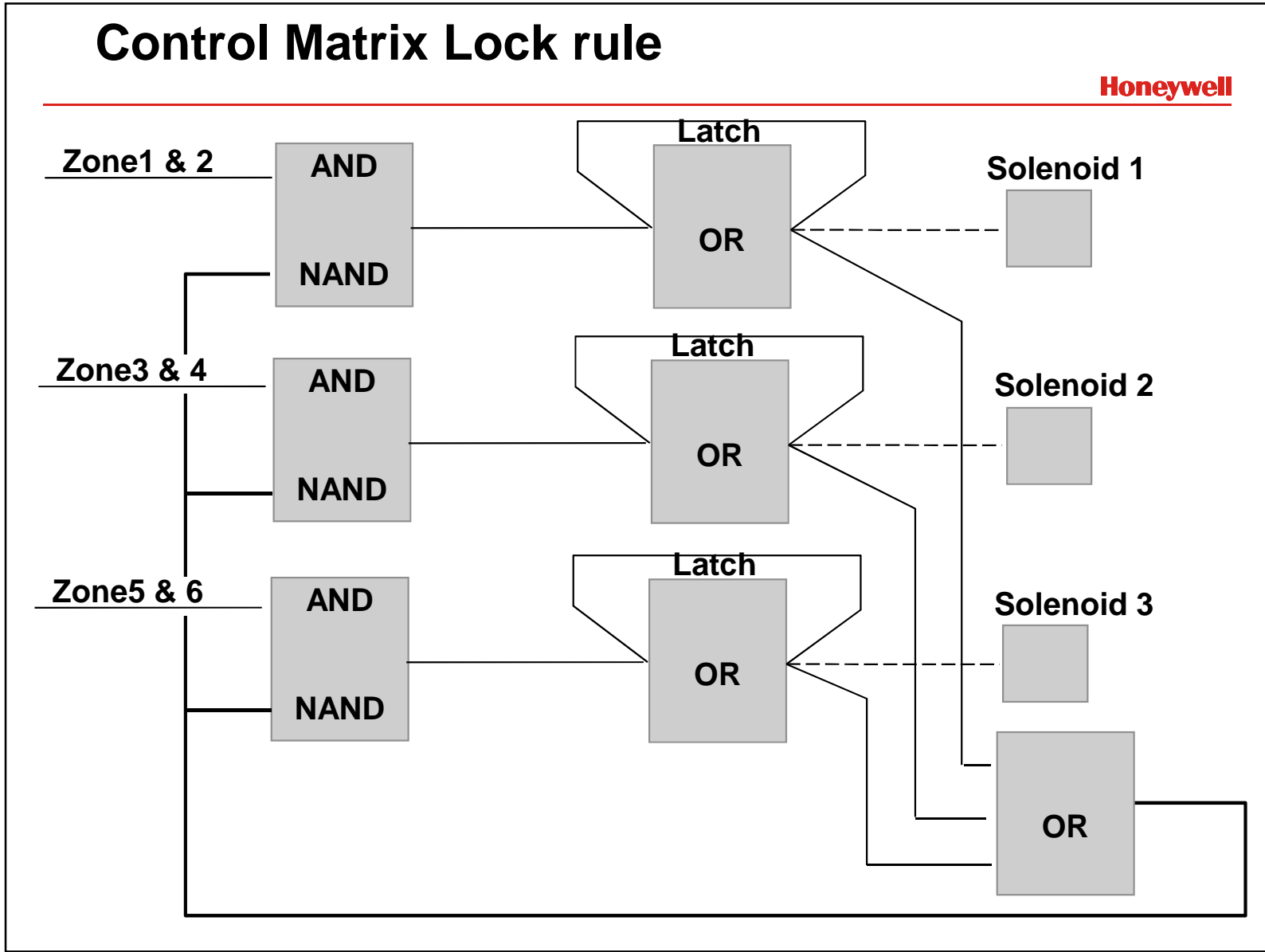
Honeywell



Sometimes it's necessary locking a rule (latch) in order to prevent activating other rules.

Example extinguishing :
A warehouse with limited water/foam resources can only extinguish one compartment.





Element Value

Honeywell

Ayuda
- □ ×

Autoconfiguration. Type ID

	Pw5	Value	Value Min	Value Max	Morley/H
Heat	1 * Pw1	300µs	255µs	345µs	150µs
Ion	2 * Pw1	600µs	510µs	690µs	300µs
Photo	3 * Pw1	900µs	765µs	1035µs	450µs
VIEW	5 * Pw1	1500µs	1275µs	1725µs	
IPX751E	7 * Pw1	2100µs	1785µs	2415µs	1050µs
MMX	1 * Pw1	300µs	255µs	345µs	150µs
CMX	2 * Pw1	600µs	510µs	690µs	300µs
ZMX	3 * Pw1	900µs	765µs	1035µs	450µs

Mod.Conv.Zones IZM/M512ME

	Pw3	Pw4
Normal	300µs	1000µs
Open or Short	600µs	<220µs
Alarm	900µs	>1800µs

Sensors Threshold PW4

	Low	Normal	Mainten.
Heat	800µs	750-1100µs	1600µs
Ion	450µs	850-1250µs	1450µs
Photo	450µs	650-1250µs	1500µs
Omni	150µs	750-850µs	300µs
Laser	110µs	150-450µs	550µs

Protocol

	Pw1	Pw3	Valor Min.	Valor Max.
Honeywell	150µs	150µs	127µs	172µs
Morley &IAS	150µs	450µs	127µs Pw3=382	172µs Pw3=517
Notifier	300µs	300µs	255µs	345µs
System	300µs	600µs	255µs Pw3=510	345µs Pw3=690

Sensor Alarm Test

	Pw2 Normal	Pw4 N.	Pw2 Alarma	Pw4 Alr.
Honeywell	127-172µs	<750µs	254-344µs	>1050µs
Morley/IAS	127-172µs	<750µs	254-344µs	>1050µs
Notifier/SS	254-344µs	<1500µs	509-689µs	>2100µs

Multisensor IPX

	Initial	Normal	Low	Mainten.	Alarm 1	Alarm 2	Alarm 3	Alarm 4	Alarm 5
Pw4	600µs	800µs	150µs	300µs	1400µs	1800µs	2200µs	2600µs	3000µs
Comer	72 sg.				0.8%/Ft	1.5%/Ft	2.2%/Ft	2.9%/Ft	3.6%/Ft

Vers. 13 - 07 - 2000



7.5 Delayed Sounders Mode



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



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

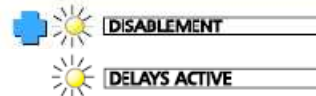
MAKE SELECTION



IF DELAYED IS SELECTED, STATUS DISPLAY IS:



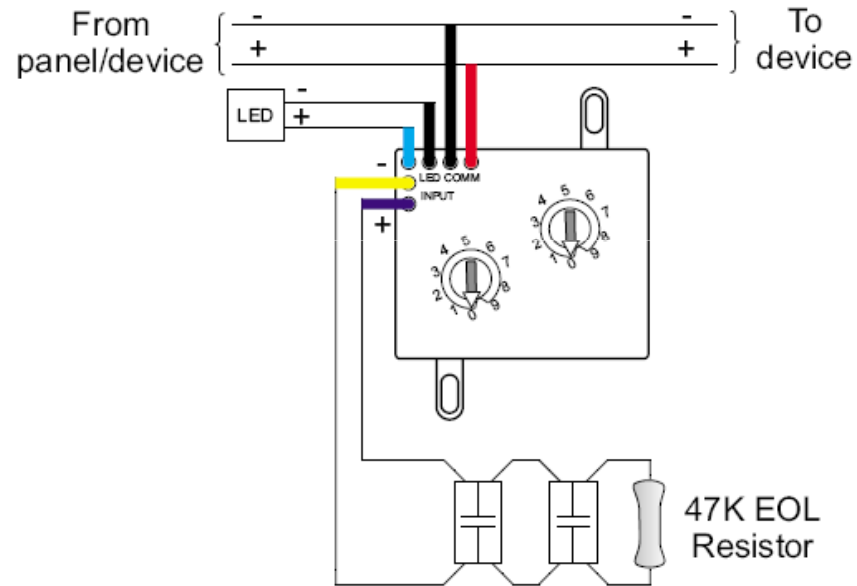
This display only occurs when there are no tabs present.



Module Schematic

Honeywell

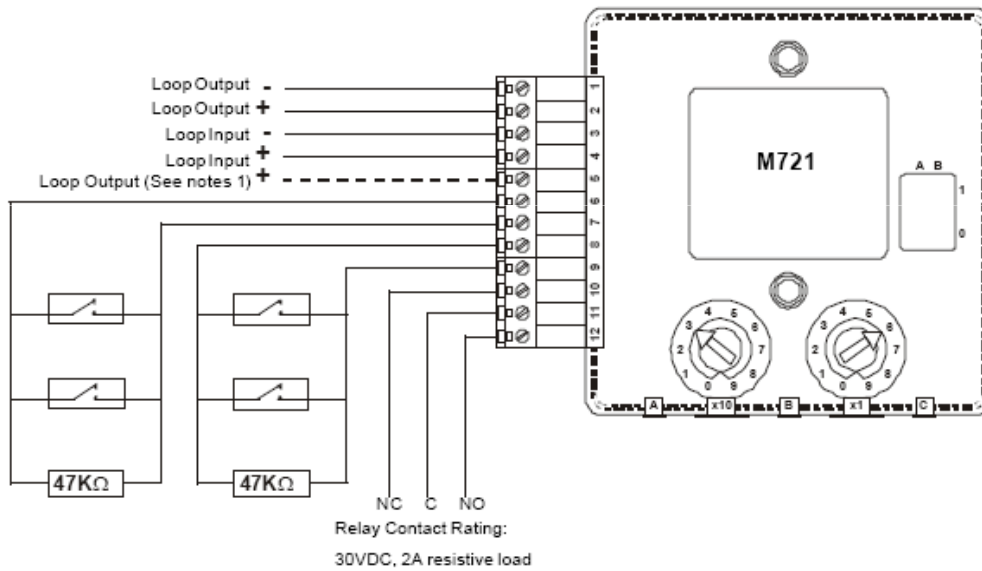
MMX 102e



Module Schematic

Honeywell

M721



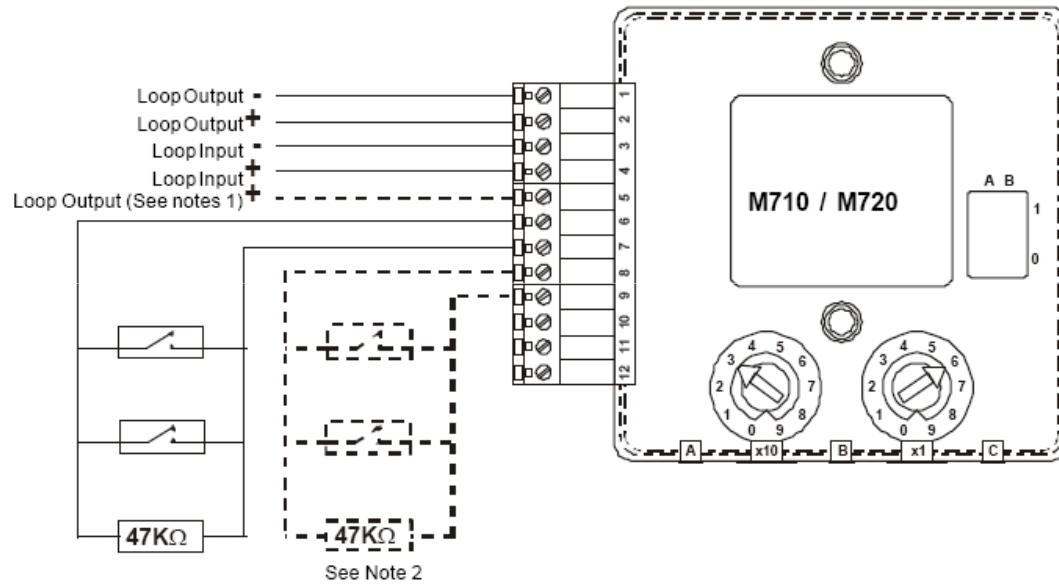
Notes:

- 1 If short circuit isolation is not required, loop output+ should be wired to terminal 5 and not 2. Terminal 5 is internally connected to terminal 4.
- 2 Provided the control panel is compatible, short circuit fault monitoring of the input circuit may be possible. An 18K Ohm resistor should be wired in series with each device switch being monitored.

Module Schematic

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M710 & M720



Module Schematic

Honeywell

M701

M701 Supervised Connection Detail

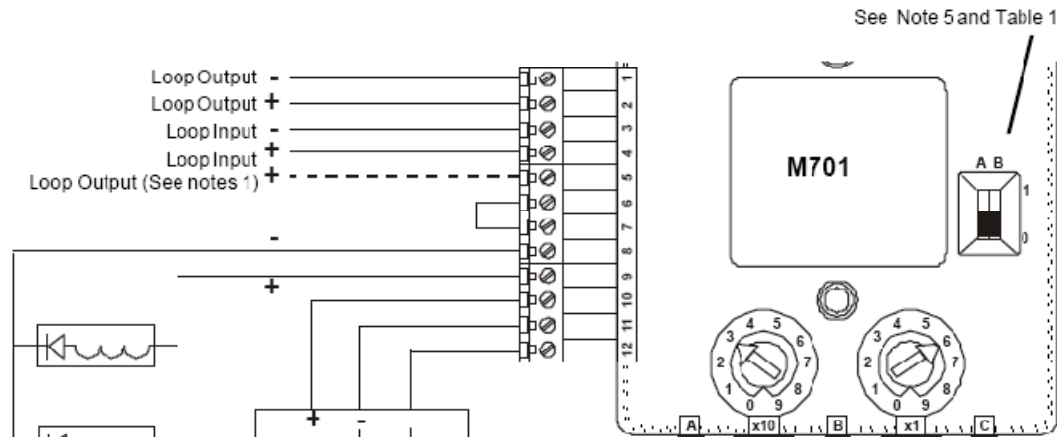


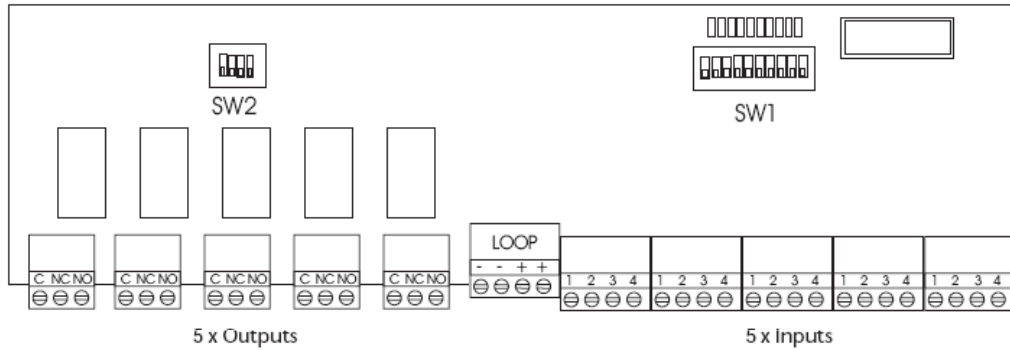
Table 1: EOL Monitoring Options

Mode	Switch A Position	Switch B Position	EOL Device	Load
Std	0	0	47KO Resistor	See Note 4
VdS	1	0	Polarised 47O	See Note 5
RLY	N/A	1	Unsupervised	

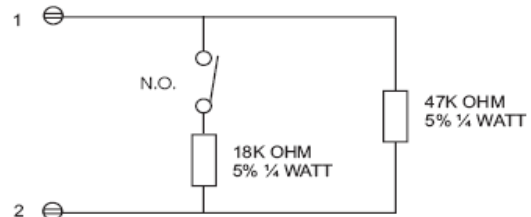
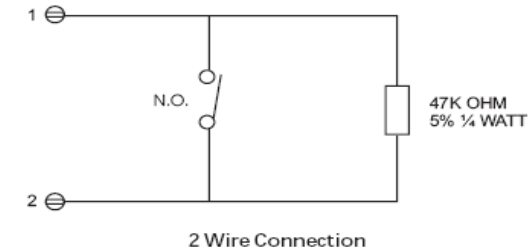
Module Schematic

Honeywell

CMX55



ADDRESSES		SW-2 DIP-SWITCH			
from	to	1	2	3	4
01	09 *	ON	ON	ON	ON
10	19	ON	ON	OFF	ON
20	29	ON	OFF	OFF	ON
30	39	OFF	OFF	OFF	ON
40	49	ON	ON	ON	OFF
50	59	OFF	ON	ON	ON
60	69	OFF	ON	OFF	ON
70	79	ON	OFF	ON	ON
80	89	OFF	OFF	ON	ON
90	99	OFF	ON	ON	OFF



NOTIFIER
by Honeywell

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V1 JJ

Disablement elements during Alarm

Honeywell

Brand ZONE 8 (x2)	12:35	Total
		1
PLAATS: ID3000	L1 S81▶	
(Geen zonetekst bepaald)		
▼Magazijn	OPT	
Brand	Maa 18-Maa-2002 12:37:41	





BEDIEN EEN KEER, VOER PASWOORD IN, DAARNA HERHAALDELIJK GEBRUIK TOTDAT

Brand ZONE 8 (x2)	12:35	Total
		1
▲18-Maa 12:35:50 waarde:132%		
STEL ELEMENT BUITEN DIENST ... DRUK *		
▼STEL ZONE BUITEN DIENST		
Brand Gebruiker	18-Maa-2002 12:38:22	





Brand ZONE 8 (x2)	12:35	Total
		1
BUITEN DIENST Lus 1 Sensor 81 OPT		
Lok. Magazijn		
<(/X)?		
Brand Gebruiker	18-Maa-2002 12:39:05	





Brand ZONE 8 (x2)	12:35	Total
		1
PLAATS: ID3000	L1 S81▶	
(Geen zonetekst bepaald)		
▼Magazijn	OPT	
Brand Buiten Dienst Gebruiker	12:39:39	



BUITEN DIENST


NOTIFIER[®]
 by Honeywell

Enable disablement

Honeywell

```
ELEMENTEN:6; ZONES: ING.3 UITG.0  
*ZONE 2 ALLE INGANGEN  
PLAATS: ID3000  
(Geen zonetekst bepaald) (1)  
(meer details) .... ▶  
Buiten Dienst Gebruiker 18-Maa 13:49:54
```



```
ELEMENTEN:6; ZONES: ING.3 UITG.0  
ZONE IN DIENST 2  
(Geen zonetekst bepaald)  
(✓/X)?  
Buiten Dienst Gebruiker 18-Maa 13:50:35
```



```
  
NORMAAL Maa 18-Maa-2002 13:51:45
```

Device Test

Honeywell



```

Menu gebruiker:
1:Test
2:In / Buiten Dienst
3:Log / Toon / Print Menu
▼ 4:Instellen Klok
{Gebruiker} Woe 20-Maa-2002 12:22:43

```



```

ZONE TEST
1:Zone Test
2:Test Sturing Of Sirene
3:Lamp Test
▼ 4:Dagelijkse Test (Automatisch)
{Gebruiker} Woe 20-Maa-2002 12:24:03


```



```

Selecteer Te Testen Zone (▲ ▼ cijfer ↵)
1: (Geen zonetekst bepaald)
2: (Geen zonetekst bepaald)
3: (Geen zonetekst bepaald)
▼ 4: (Geen zonetekst bepaald)
{Gebruiker} Woe 20-Maa-2002 12:25:00

```

MARKEER ZONE MET ZWARTE BALK OF VOER ZONE NUMMER IN, EN VERVOLGENS 

```

START TEST VAN ZONE 1
(↵/X)?
{Gebruiker} Woe 20-Maa-2002 12:25:19

```



```

START TEST VAN ZONE 1
(↵/X)? ↵ WACHT
{Gebruiker} Woe 20-Maa-2002 12:26:52

```

DE ZONE LOOP TEST START DAN:

```

ZONE 1 IN TEST
▼INGANGEN: Getest 0: Niet getest 2
PLAATS: ID3000 L1 501
(Geen zonetekst bepaald) UIEW
{Test} {Gebruiker} Woe 20-Maa-2002 12:28:02

```

Replace and Reset VIEW detectors

Honeywell

```

ZONE TEST
▲ 2:Test Sturing Of Sirene
  3:Lamp Test
  4:Wekelijkse Test (Automatisch)
  5:Reset Data van VIEW Sensor
  Gebruiker Woe 20-Maa-2002 12:49:28
  
```



```

Reset Data van VIEW Sensor
Geef Paswoord Niveau 3,
Druk Daarna ↵: ***
  Gebruiker Woe 20-Maa-2002 12:49:51
  
```

6.6 Vervangen, Reset data VIEW-Sensor

Deze optie is alleen verkrijgbaar indien er VIEW sensoren op de lussen zijn geïnstalleerd. Dit menu vraagt een paswoord niveau 3. Het is niet beschikbaar voor de bediener.

ID3000

Honeywell

END
NF3000
ANALOG PANEL

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V1 JJ