

Intelligent Loop

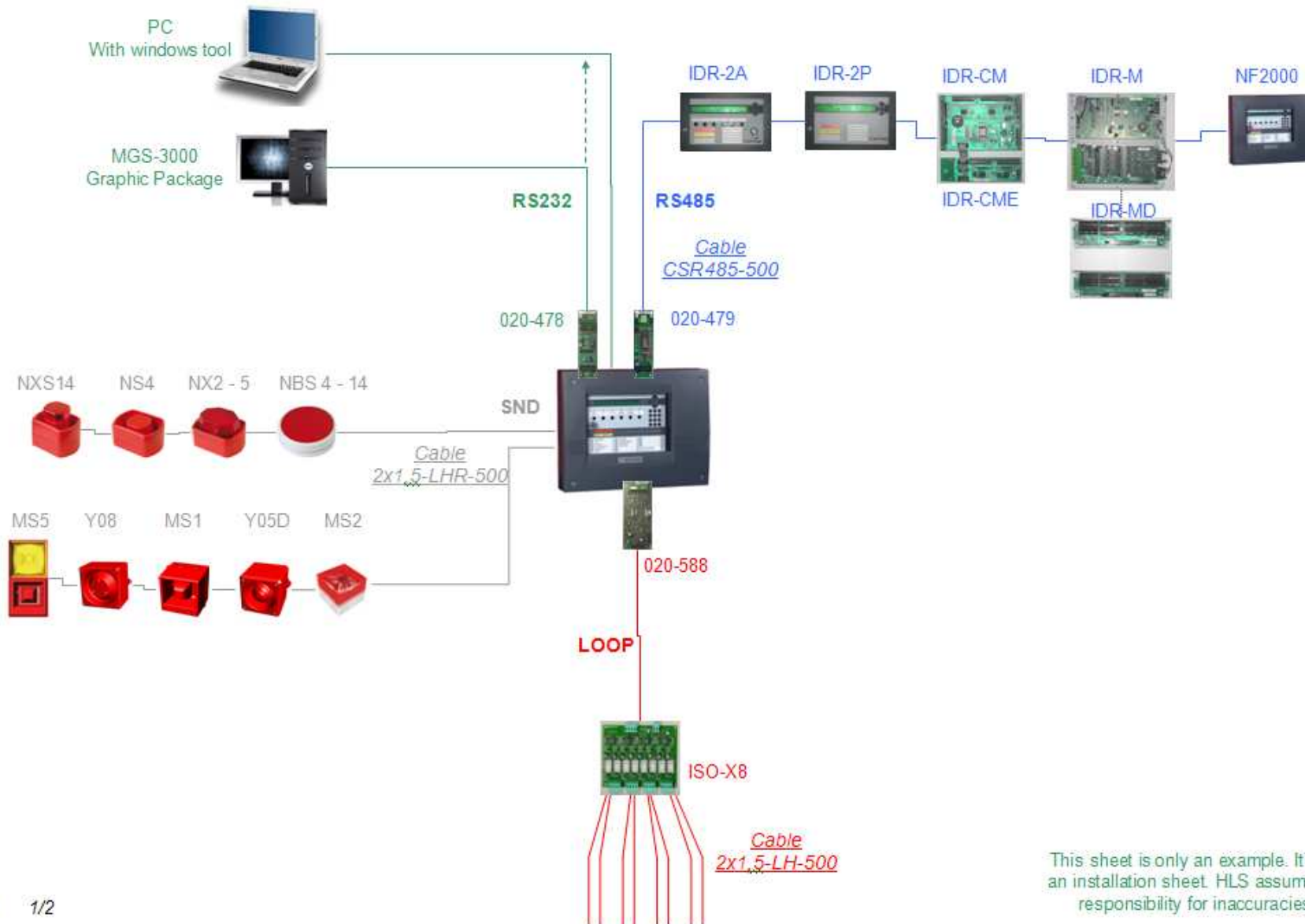
Notifier / HLS Team
V1007

Honeywell

Overview NF2000



NF2000

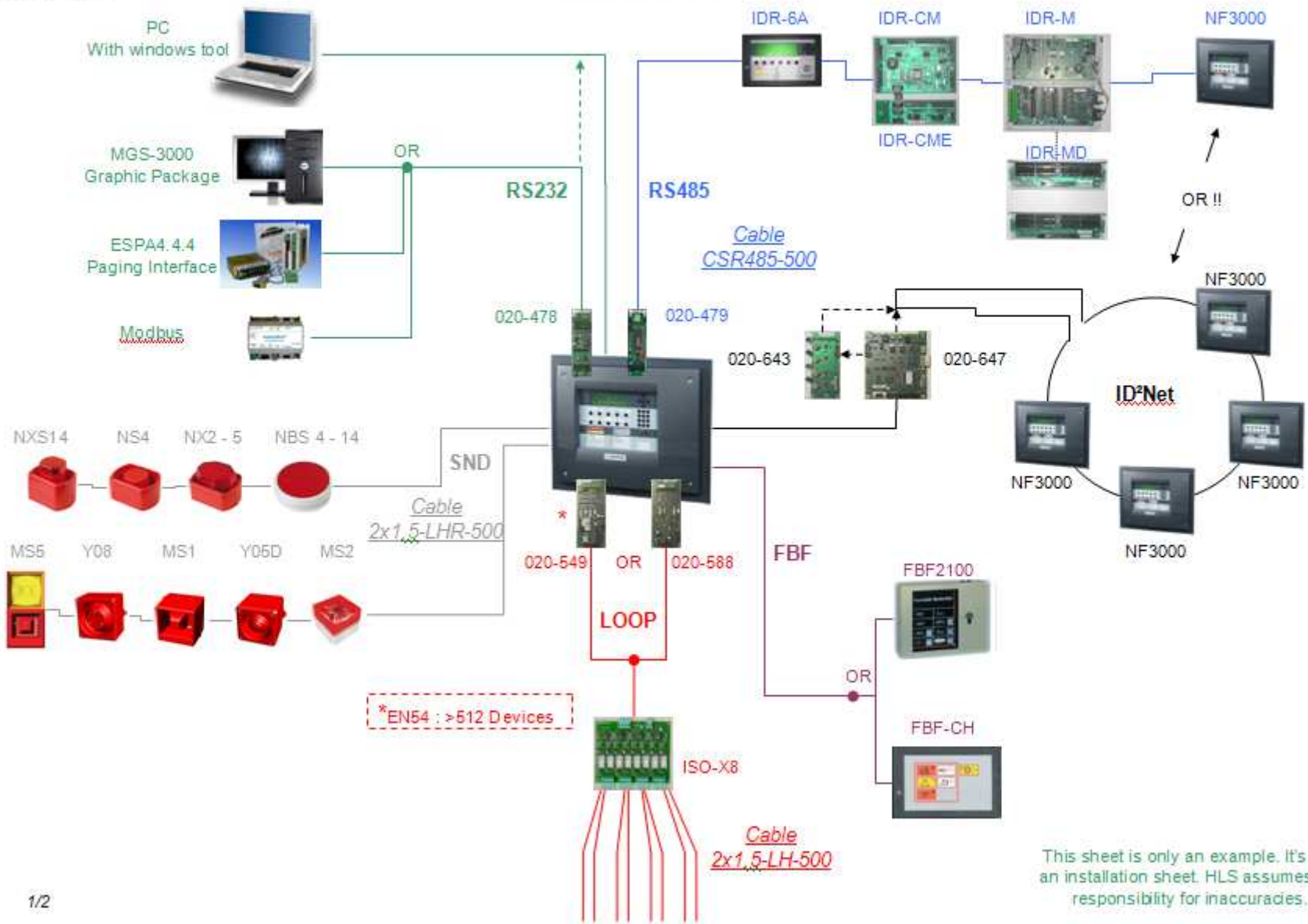


This sheet is only an example. It's not an installation sheet. HLS assumes no responsibility for inaccuracies.

Overview NF3000



NF3000

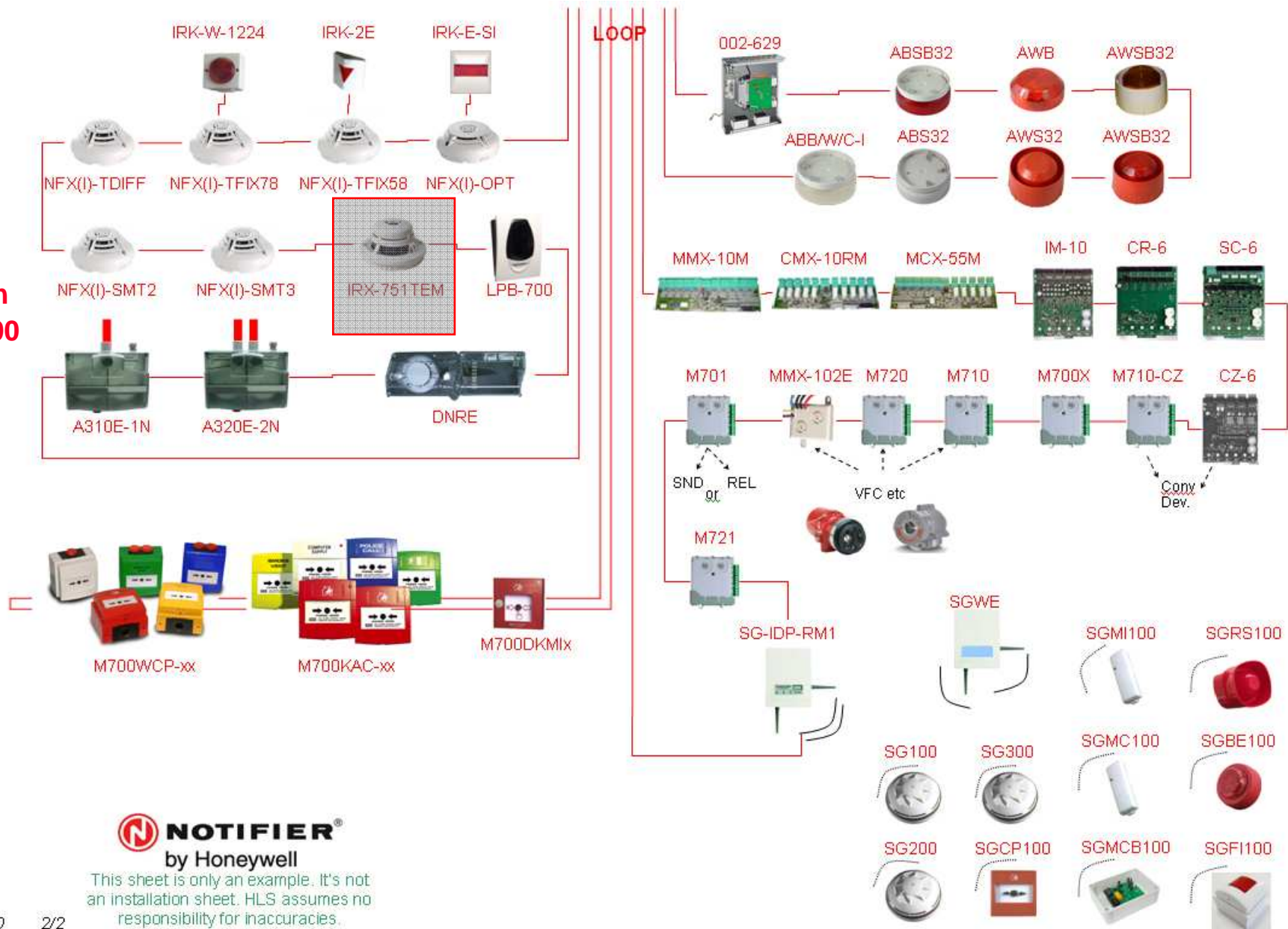


This sheet is only an example. It's not an installation sheet. HLS assumes no responsibility for inaccuracies.

Overview NF3000

Honeywell

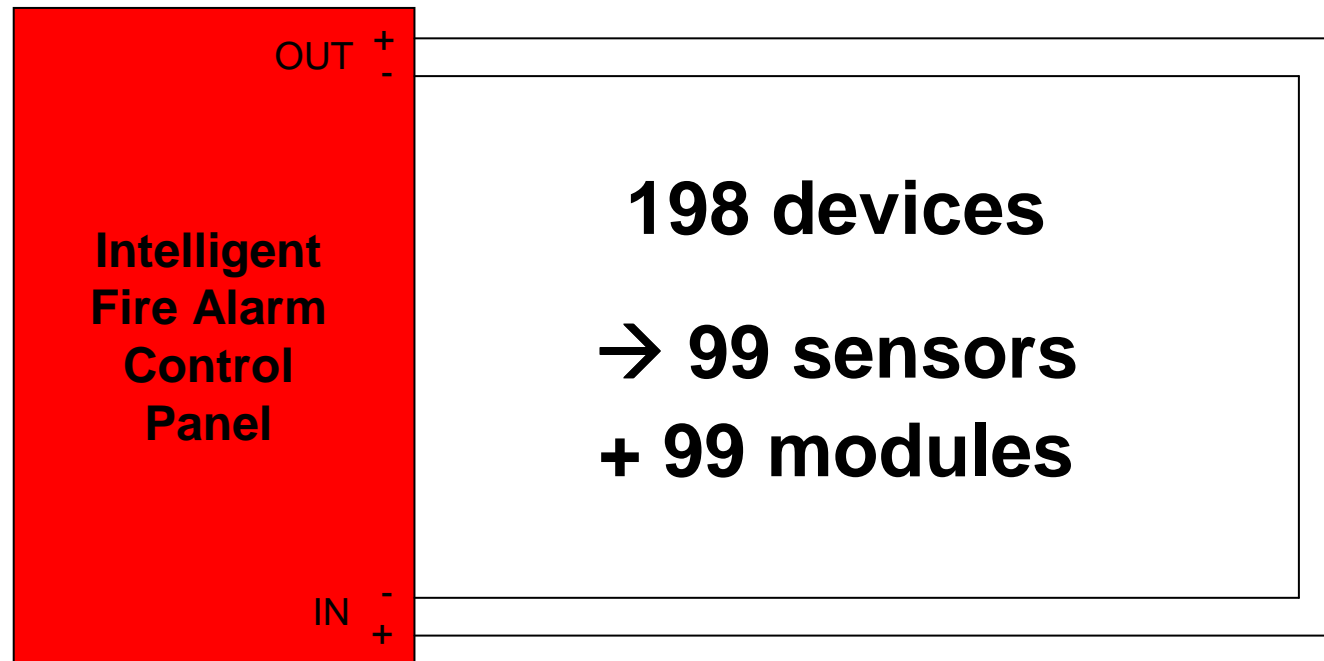
Not on
NF2000



NOTIFIER
by Honeywell

This sheet is only an example. It's not an installation sheet. HLS assumes no responsibility for inaccuracies.

Introduction

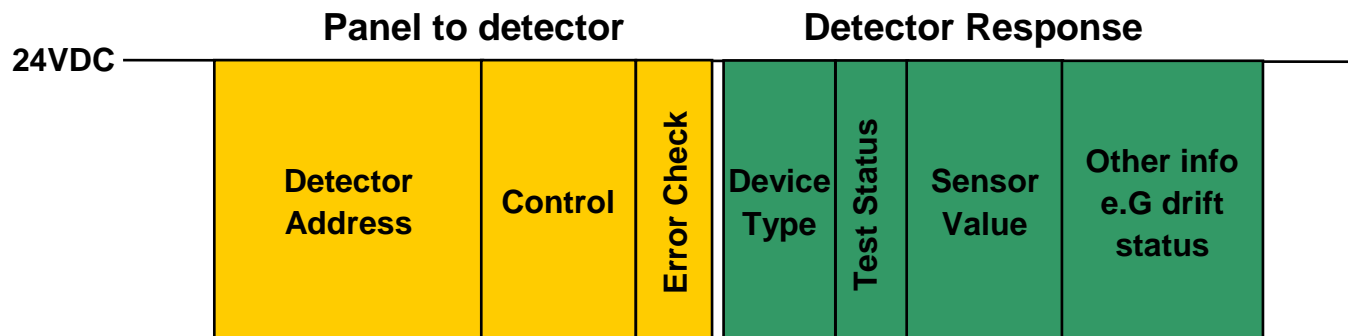


System must be wired in 2 core cables and each 2 core cables must be specific to one function.

Cable must be screened.

The screen must be continuous throughout the loop.

Communication protocol



Device address

Control of device LED

Control of device self-test

Control of module output

Error detection

Device type (opt, heat, etc...)

Analogue signal (current sensor value)

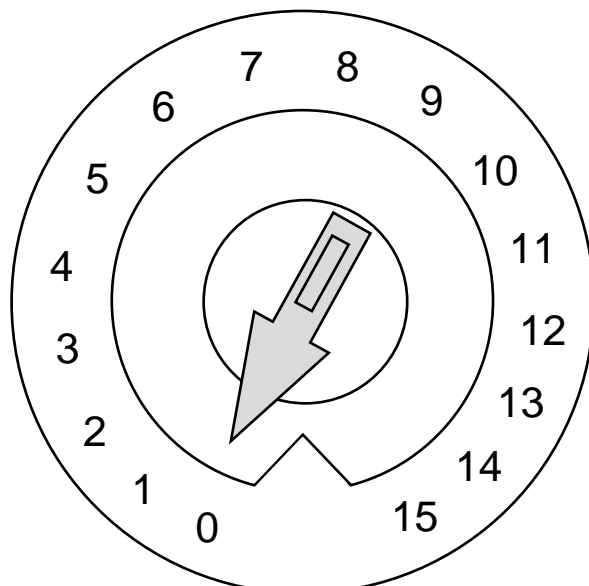
Alarm signal

Status of module output

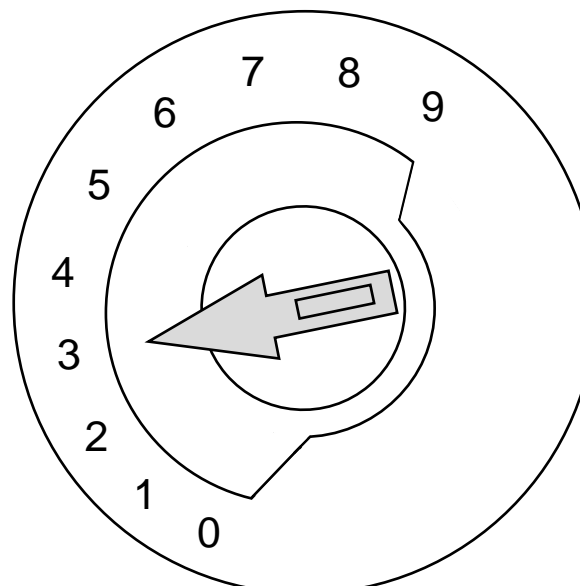
Remote test status

Manufacturer code

Addressing methods



X10



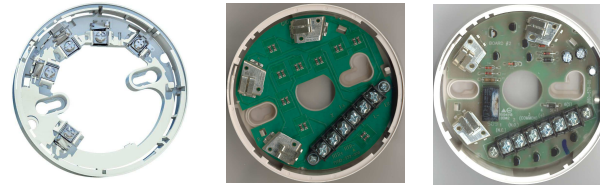
X1

Device's address between 01 and 99 (Future will be 001 to 159)

Differences in the protocol between detectors and modules allow them to have the same address without interfering which each other

Address 00 (the factory default setting) is not used

Sensors



<u>Notifier Ref.</u>	<u>Type</u>	<u>B501-AP</u>	<u>B524HTR</u>	<u>B524RTE</u>
NFXI-OPT(-IV)	Optical	Y	Y	Y
NFXI-SMT2(-IV)	Opt / Therm	Y	Y	Y
NFXI-TFIX58(-IV)	Therm 58°C	Y	Y	Y
NFXI-TFIX78(-IV)	Therm 78°C	Y	Y	Y
NFX(I)-TDIFF(-IV)	Therm 58°C or 10°C/min	Y	Y	Y
LPB-700	Beam optical	//	//	//
FSL-751E (VIEW)	Opt Laser	Y	Y	Y
IRX-751CTEM(-IV) (SMART4)	Opt / Therm / CO / IR	Y	Y	Y
NFXI-SMT3(-IV)	Opt / Therm / IR	Y	Y	Y

Y = Compatible N = Not compatible

Complete New “OPAL” Range

Honeywell



**Optical
NFXI-OPT**

**Optical Thermal
NFXI-SMT2**

**Rate of Rise
Thermal
NFXI-TDIFF**

**SMART3
NFXI-SMT3**

**58° Fixed
Temperature Thermal
NFXI-TFIX58**

**78° Fixed
Temperature Thermal
NFXI-TFIX78**

 **NOTIFIER**[®]
by Honeywell

Tri-color LED

Honeywell



Normal polling

Test (1sec pulsing)

Address +99

Double address

Isolator active

Sensor fault

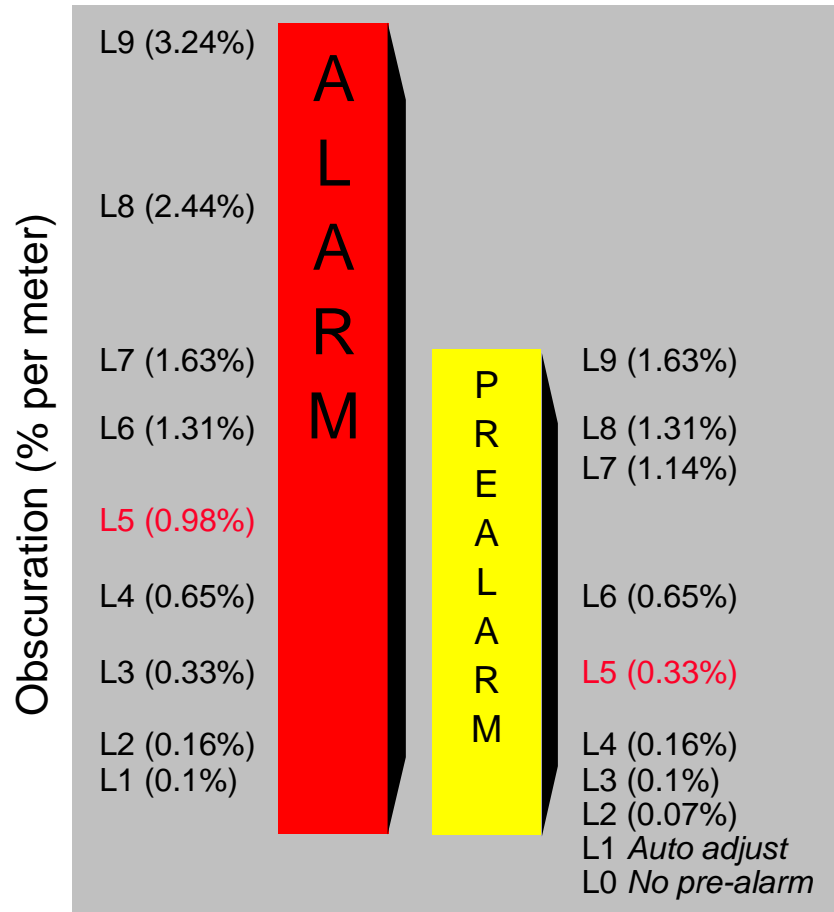
Alarm

Address zero

(1sec pulsing)

Sensors - Sensibility

VIEW



OPTIPLEX

- L6 : Thermal 58°C
- L5 : Low (3,5%)
- L4 : Medium to Low (Adjust 2% - 3,5%)
- L3 : Medium (2%)
- L2 : Medium to High (Adjust 1% - 2%)
- L1 : High (1%)

OPT

- 150% : Max
- 100% : Alarm = L5
- 80 % : Pre-alarm = L5
- 21 % to 79% : Normal
- <= 20 % : Fault

Sensors - Sensibility

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SMART4

L6 : Thermal 60°C or rate of rise limits.

L5 : Very high false alarm resistance, low photoelectric only sensitivity (4%/ft of smoke)

Maximum of 10 min delay from processed photo output.

L4 : High false alarm resistance, low photoelectric only sensitivity (3%/ft of smoke)

Maximum of 10 min delay from processed photo output.

L3 : Standard false alarm resistance, low photoelectric only sensitivity (3%/ft of smoke)

No delays from processed photo output.

L2 : Medium false alarm resistance, medium photoelectric only sensitivity (2%/ft of smoke)

No delays from processed photo output.

L1 : Low false alarm resistance, high photoelectric only sensitivity (1%/ft of smoke or greater than 45 ppm of CO)

No delays from processed photo output

Note : the delay counter starts when the smoke level exceeds approximately 0.75%/ft

Harsh environments: L2 or L3 Pre-alarm & L5 or L6 Alarm

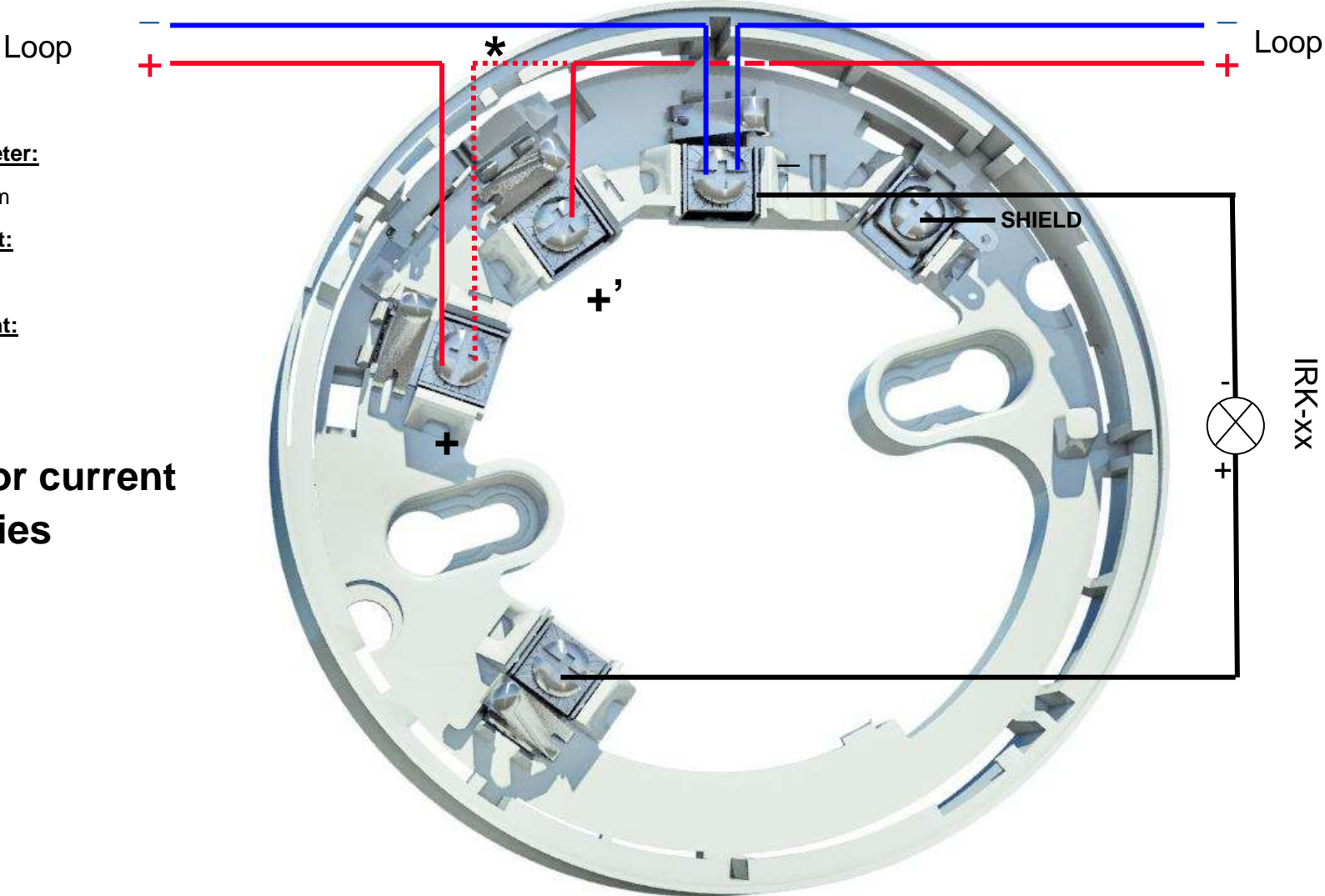
Moderate environments: L1, L2 or L3 Pre-alarm & L4 Alarm

Clean applications: L1 Pre-alarm & L2 or L3 Alarm

Ultra-clean applications: L1 Pre-alarm & L1 Alarm

B501 AP

Honeywell



Diameter:

102mm

Height:

22mm

Weight:

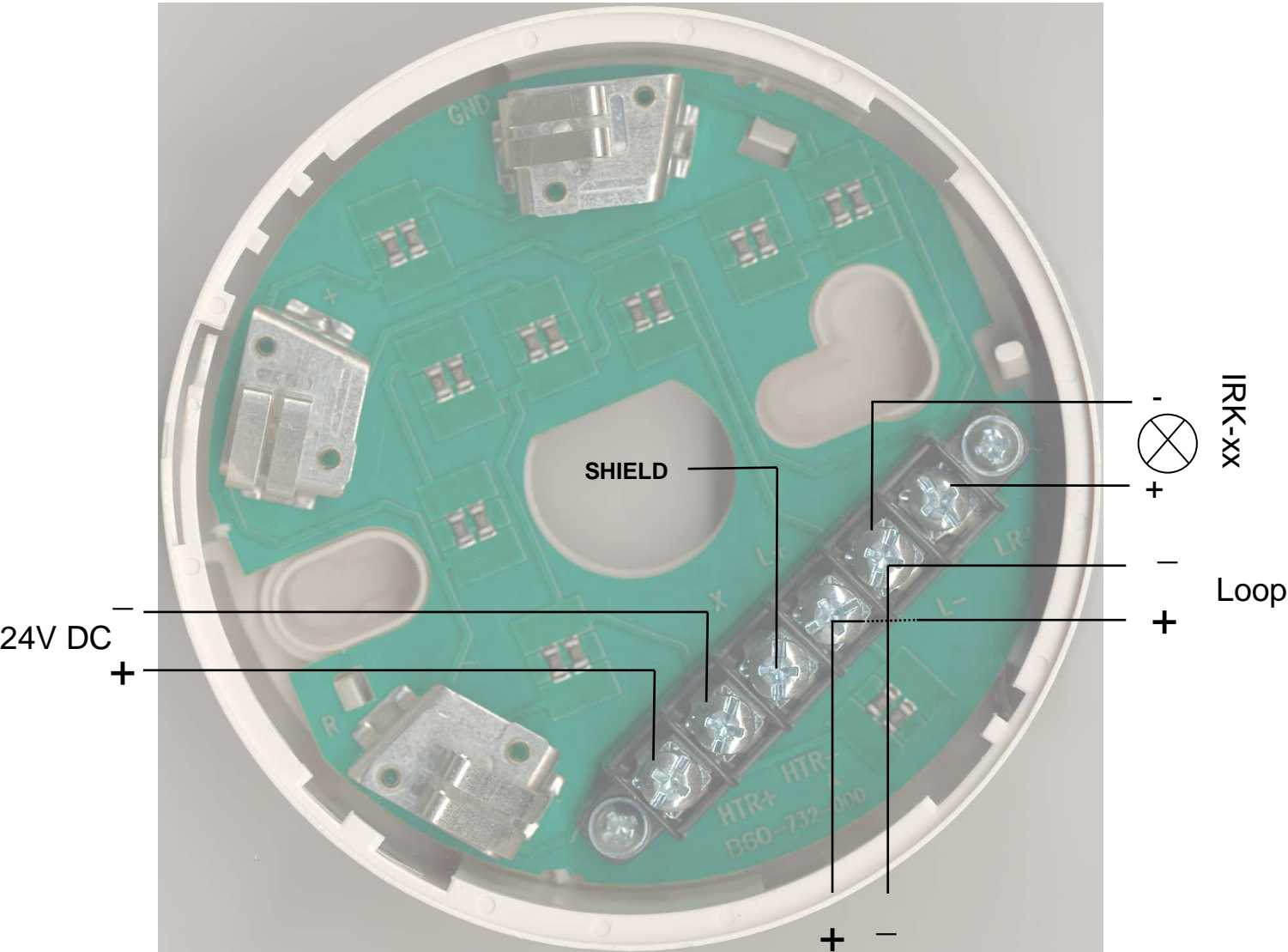
53g

*** For current series**



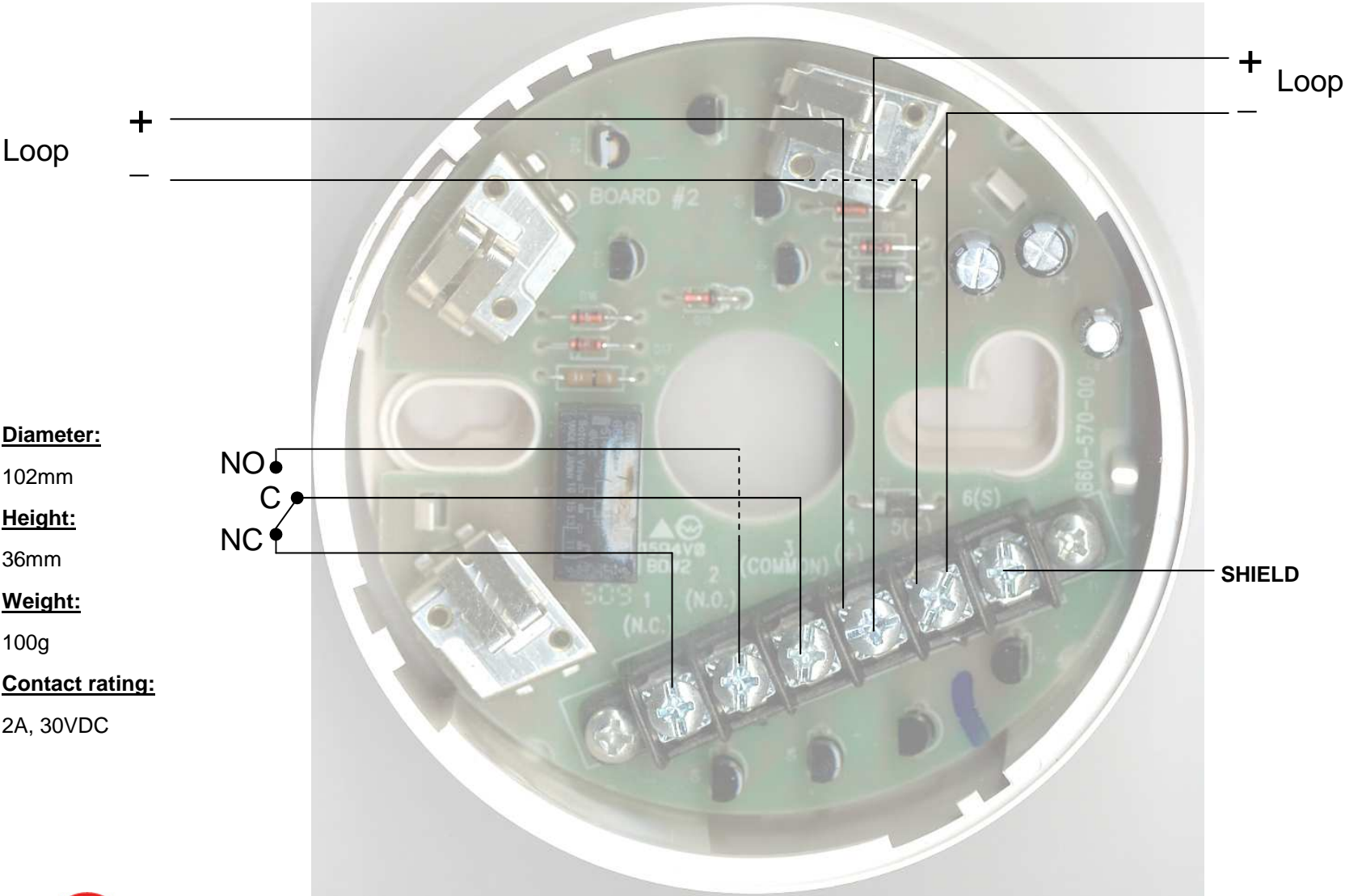
B524HTR

Diameter:
102mm
Height:
36mm
Weight:
92g



B524RTE

Honeywell



Diameter:

102mm

Height:

36mm

Weight:

100g

Contact rating:

2A, 30VDC

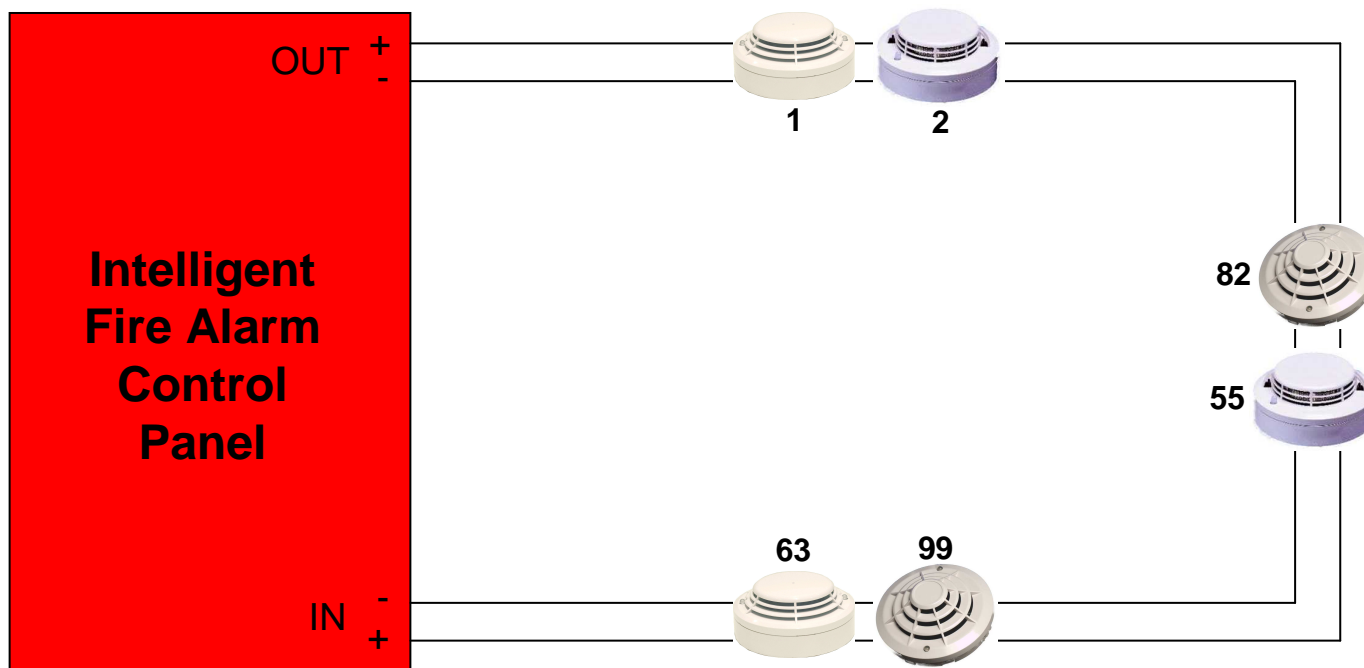


Type of sensors

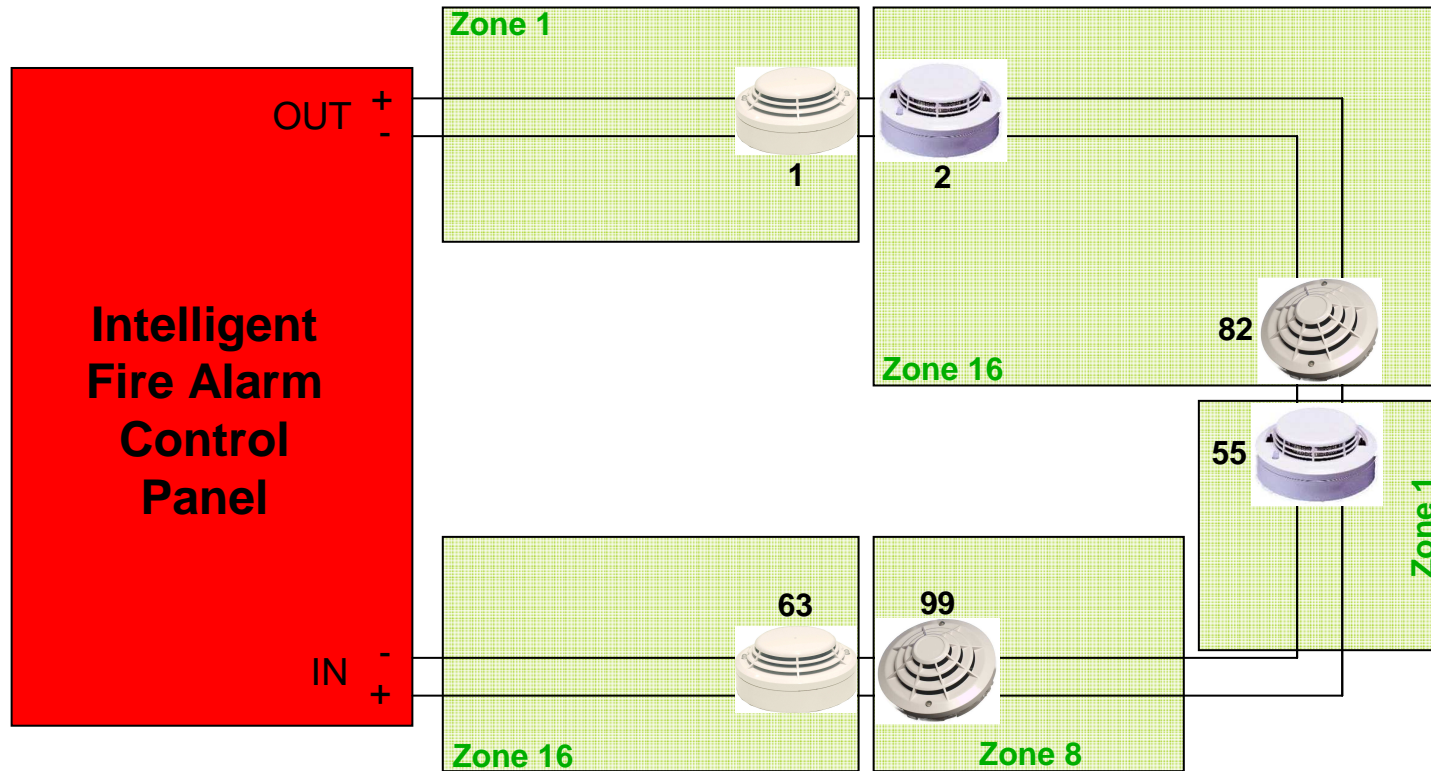
	NAS	OPTIPLEX	ION	OPT	VIEW	BEAM	IR	UV	TVC	HEAT	HEAT CABLE
Parking covered & ventilated	V	V		V							
Boiler room		V		V			V	V		V	
Rof spaces	V	V		V							
High room	V					V	V	V			
Sport arena						V					
Product's warehouse very flammable							V	V			
Generator's room		V		V			V	V	V		
Laboratory	V	V	V		V		V	V	V		
Wash room		V							V	V	
Incinérateur		V							V	V	
Kitchen		V							V	V	
Clean room	V		V		V						
Switchgear cubicle, local battery	V	V	V	V							
Electrical & computeur room	V	V	V	V	V						
Dusty room	V								V	V	V
Outside, combustible storage								V			V
Large room	V					V	V				
Atrium	V	V	V	V		V	V				
Pneumatic transport	V							V			
Machine protection								V			V
Cold room	V										
Road tunnel	V							V			V

The choice of the type of detector according to the risk is proposed by this table as an indication, other parameters (geometry of the room, environment...) can influence the determination of the detectors to be set up.

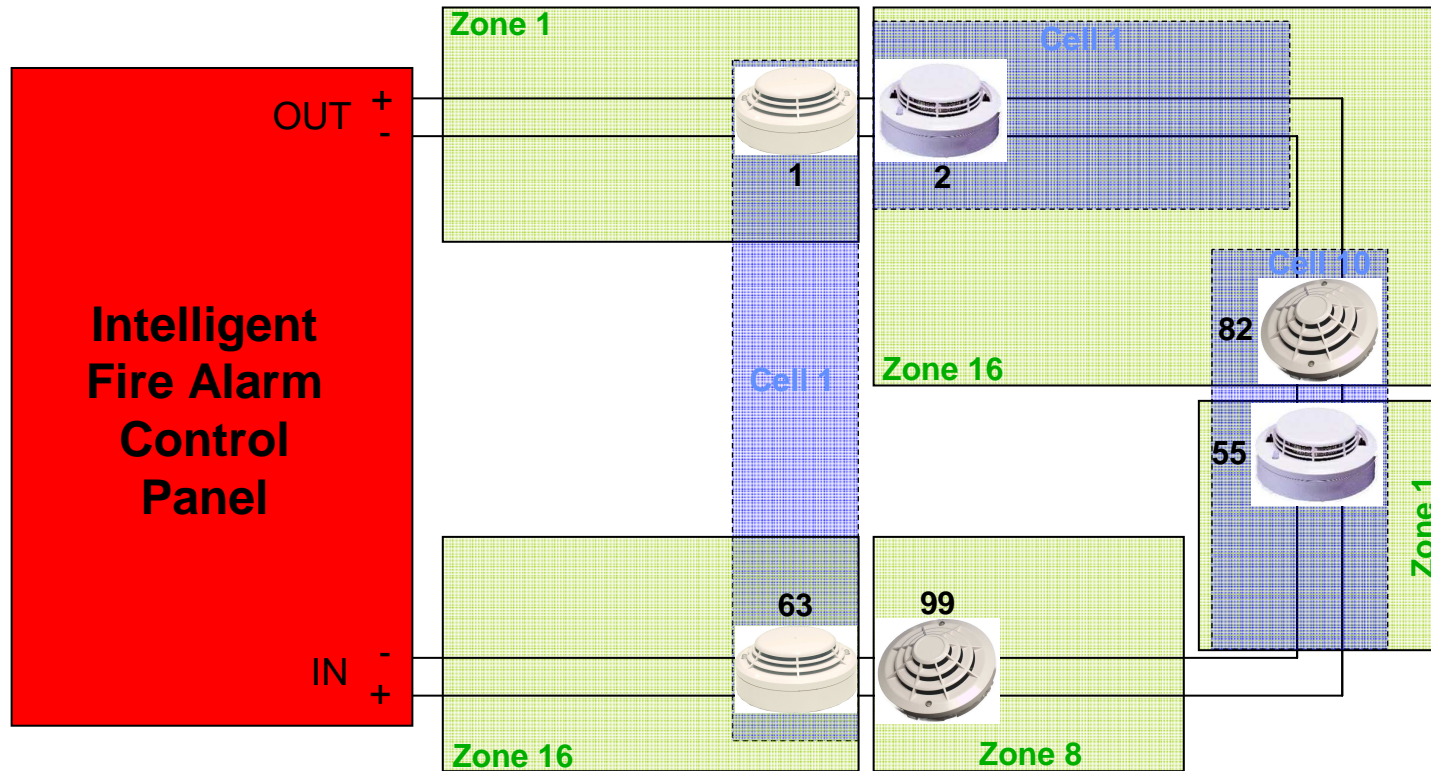
Sensors










Sensors : Zones



Sensors : Zones and cells



Modules

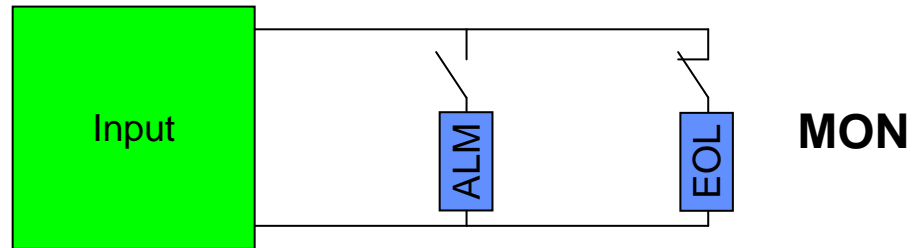
<u>Old Ref.</u>	<u>New Ref.</u>	<u>Type</u>
 M500KAC	M700 KAC	Manual Call Point (MCP)
MMX-1E	M710	Single supervised input
//	M720	Double supervised input module
 CMX-2E	M701	Single supervised output or relay (30V/2A)
//	M721	Double supervised input + single relay output
//	M701-240	Single 240VAC / 5A relay
 ZMX-1E	M710-CZ	Conventional zone input
 MMX-101E	MMX-102E	Addressable micro monitor
//	MMX-10M	10 Way addressable Input
//	CMX-10RM	10 Way addressable Relay (30VDC/1A)
 //	MCX-55M	5 addr. Inputs + 5 addr. Outputs (30VDC/1A)
 //	MULTI-MX	16 Way addressable card
//	ISOX-8	8 isolator card
 ISO-XE	M700X	Single isolator

Memotechnical easy way for series 700

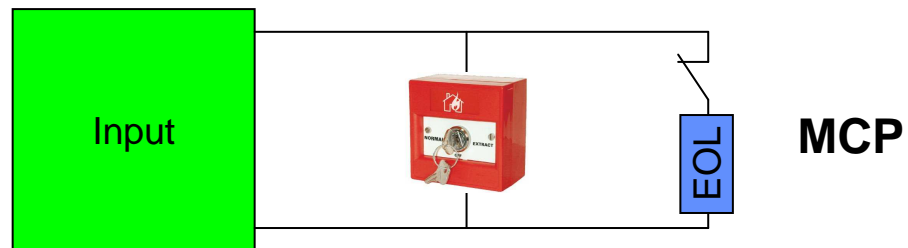
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Module	Serie	Number of inputs	Number of outputs	End of reference
M	7	1	0	//
M	7	2	0	//
M	7	0	1	//
M	7	2	1	//
M	7	1	0	-CZ
M	7	0	1	-240

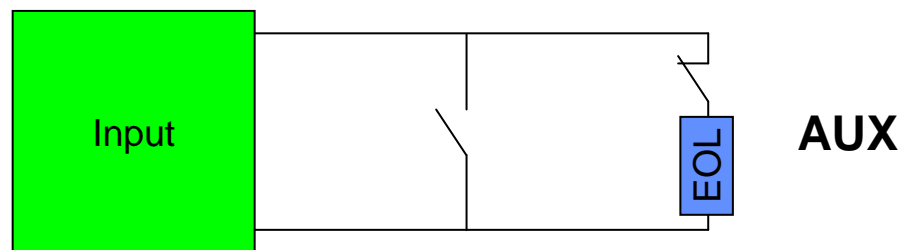
Modules - inputs



MON



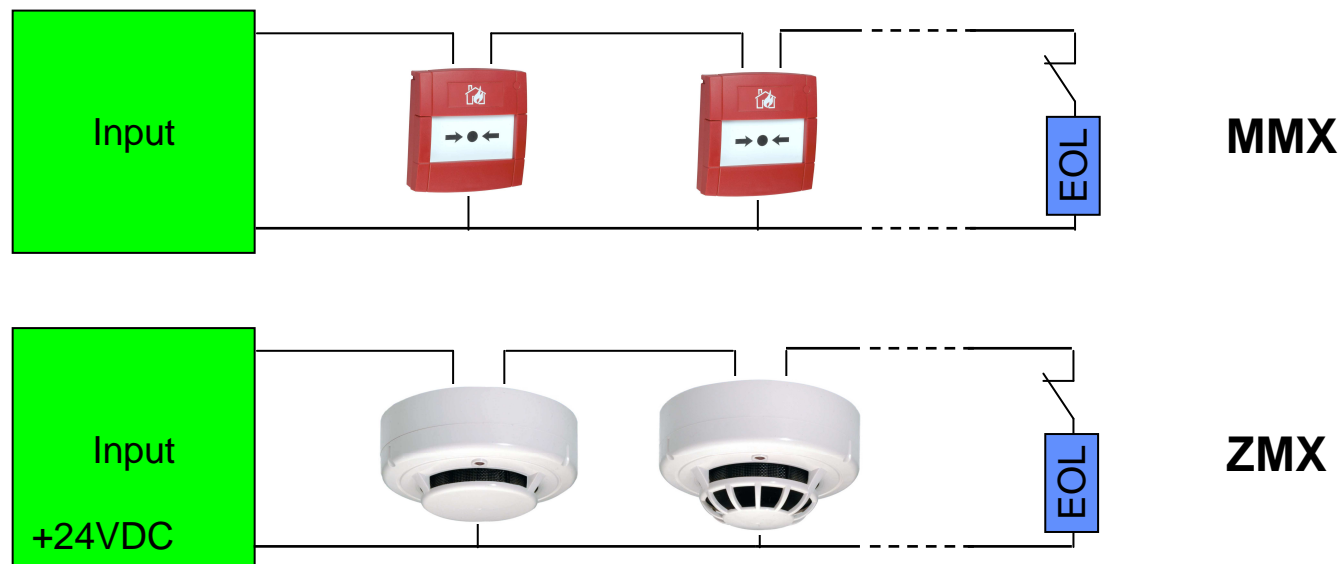
MCP



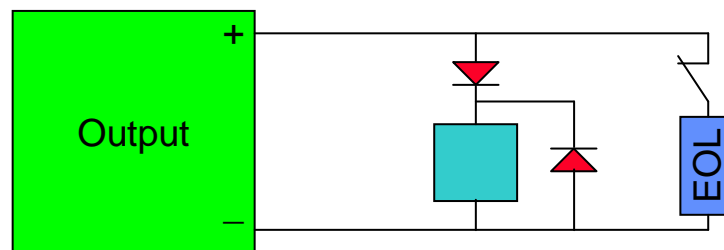
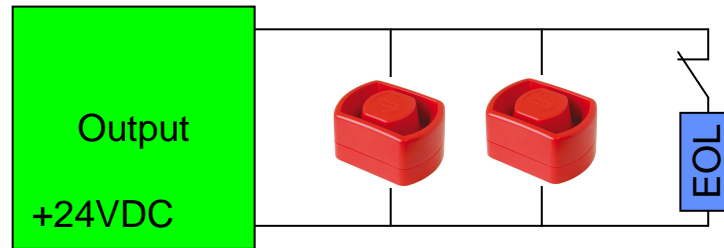
AUX



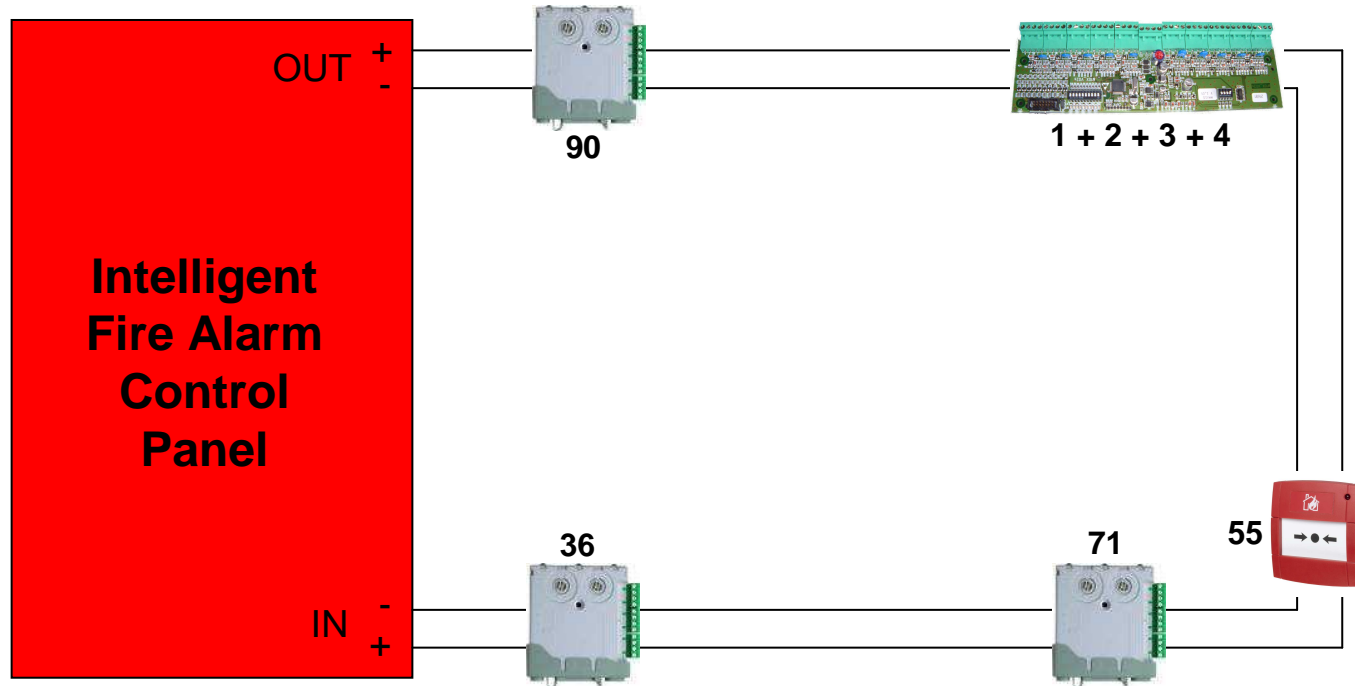
Modules - inputs



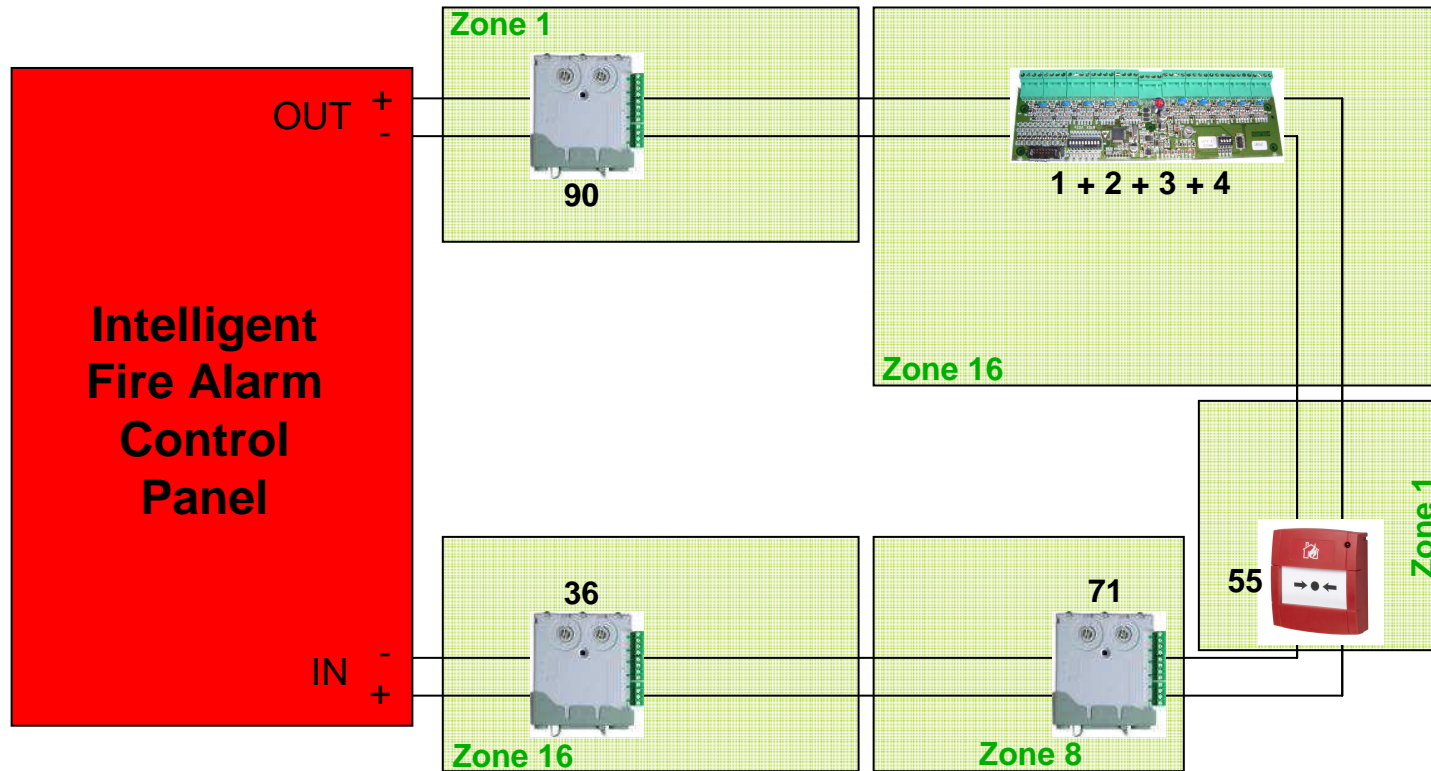
Modules - outputs



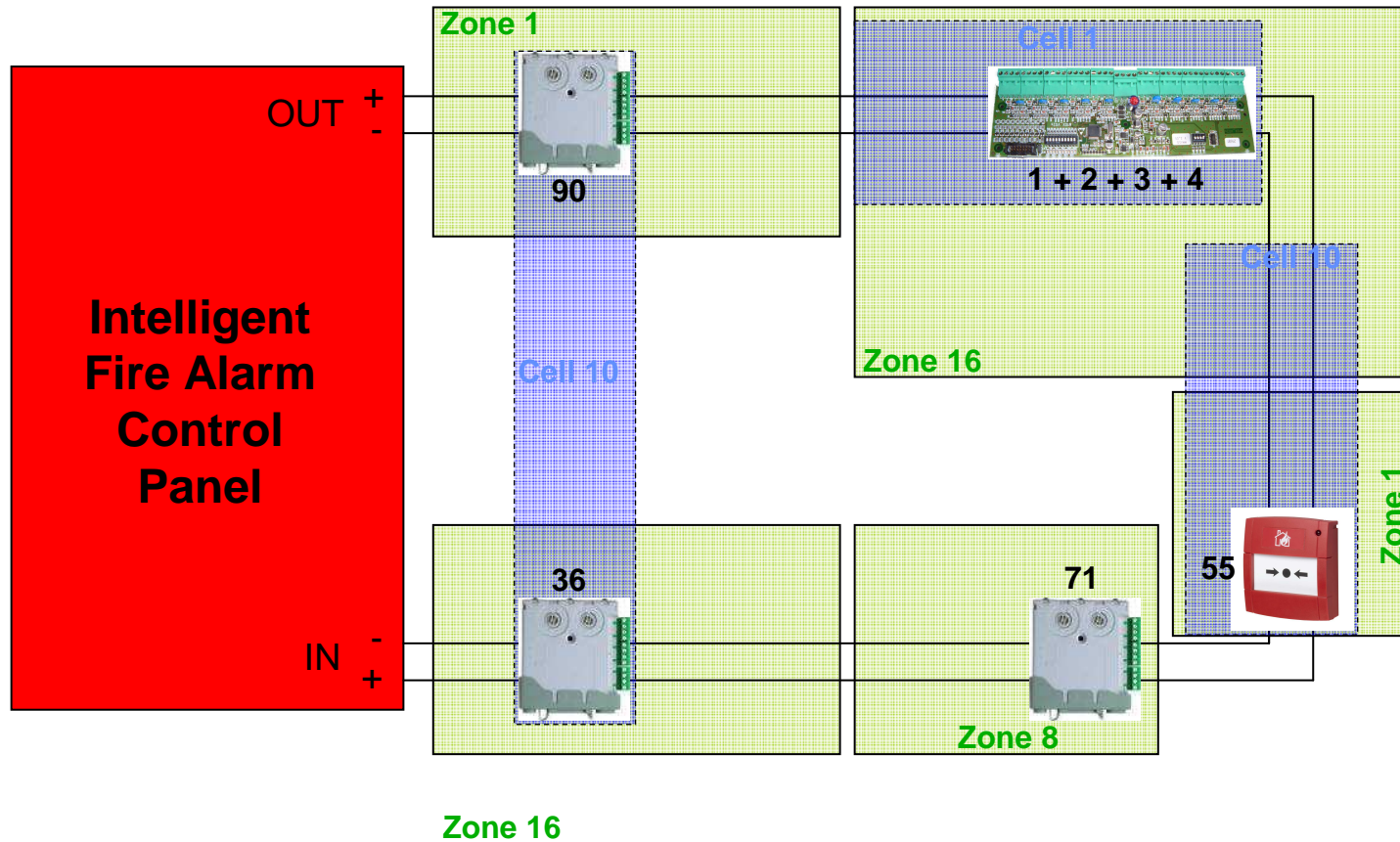
Modules



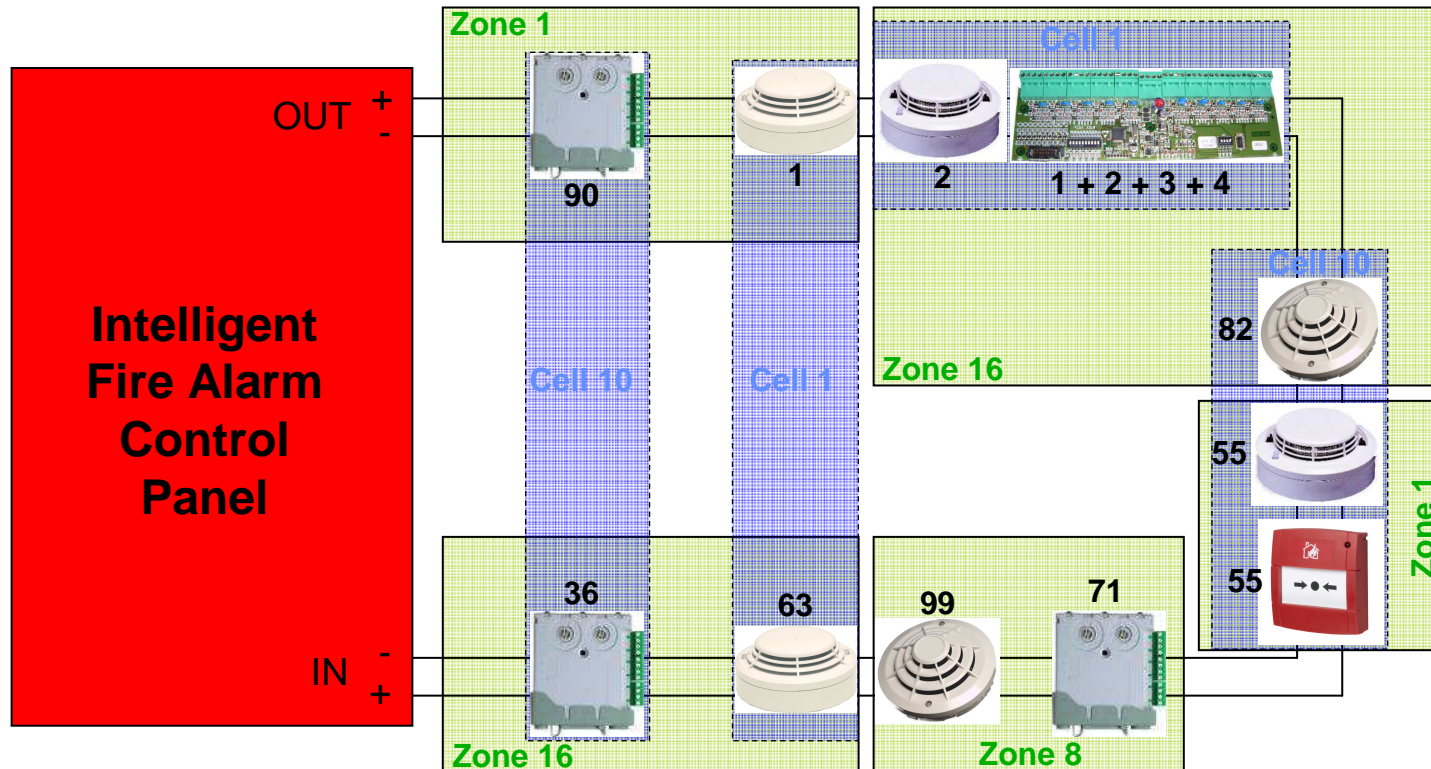
Modules : Zones



Modules : Zones and cells

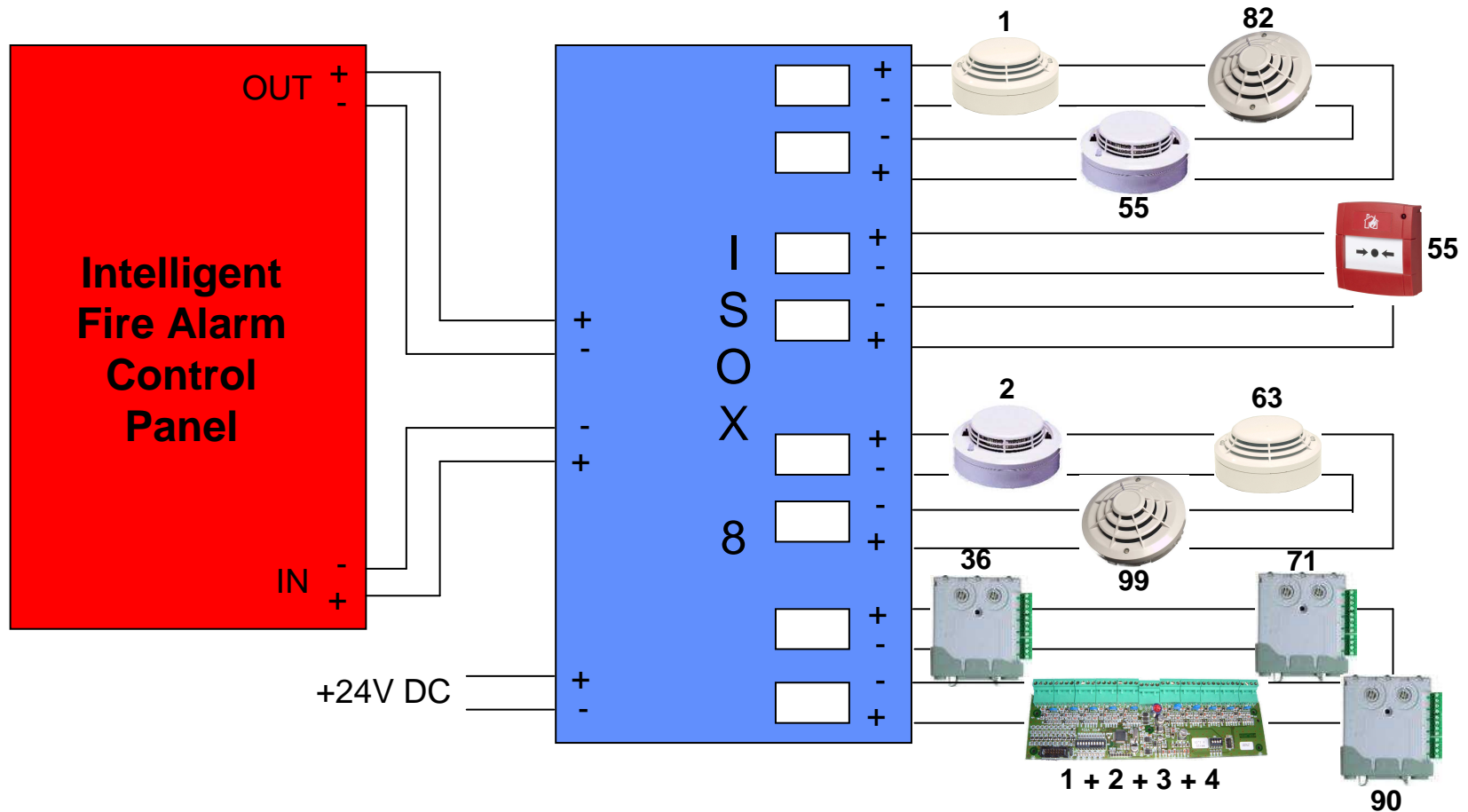


Technically



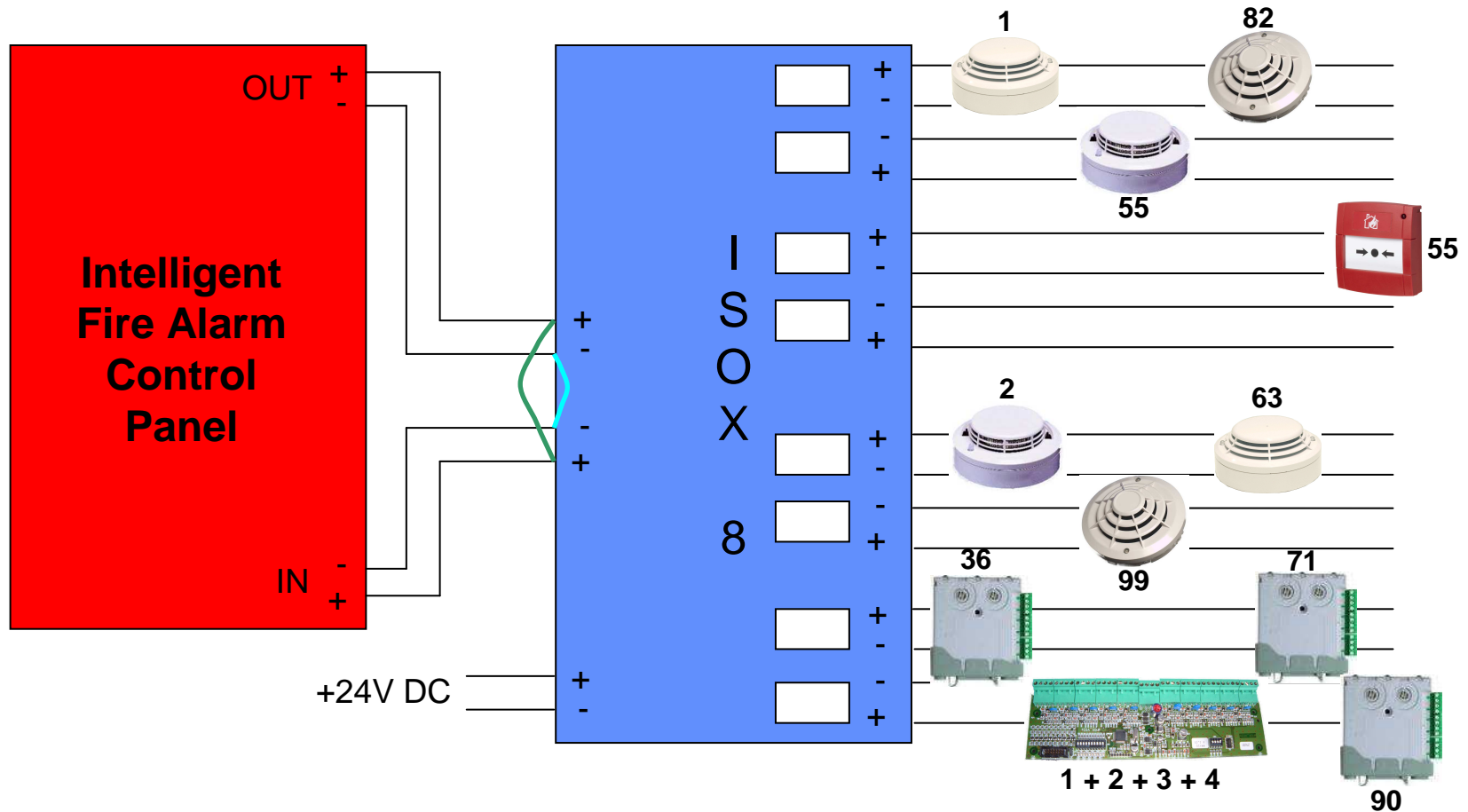
ISOX-8

Honeywell



ISOX-8

Honeywell



Open Loop

