CATALOGUE

**Complete range of products and systems
for fire alarm installations**

SD³

www.sd3.fr

A world of fire detection equipment

Our company
SD³ is specialized in sales, marketing, training and technical support of fire alarm products manufactured by our French panels and detectors' factories.

Experience and world expansion
We are part of the first French manufacturer of fire alarm systems and fire protection solutions in France with more than 55 years of experience. SD³ is dedicated to collaborate with a network of partners all over the world.

A French label and certifications
Our «made in France» label, experience, certifications and the wide range of quality products make of us your ideal partner.

Diversified products for different application areas and installation

Our variety of products allows you to offer systems from the basic installation to the most advanced ones.
It also enables you to supply products in different fields of application : Hotels, buildings, shopping mall etc…as well as in the industrial one like nuclear power stations, specific storages, oil and gas environment etc…

Customization
We offer you the possibility to label our main products with your brand which will allow to expand our presence in new markets and build stronger partnerships.
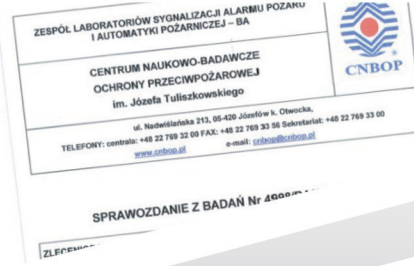
We look forward to a fruitful partnership.

Bernard Mongelli
Managing Director

TABLE OF CONTENTS

WORLD'S

Location : Massy (Paris) FRANCE

FIRE ALARM
FACTORIES

Detectors, Call points, Modules
Location: FRANCE

Created in 1989, FARE is specialised in developing and manufacturing conventional and addressable detectors.
FARE aims to develop its business through the quality design and process of its detectors.
FARE owns a tool of modern production, making high investment in order to ensure a large production capacity in SMD cabling. FARE has also its own R&D department able to design new detectors or customize them for SD³ partners thanks to a professional and dynamic staff.

FARE CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD by notified body

Conventional and
Intelligent/Addressable panels
Location: FRANCE

SEFI was founded in 1970. The company
manufactures conventional and addressable fire alarm panels and auxiliaries.
SEFI owns last generation production tool SMD machines and sophisticated monitoring tests.
SEFI has also its own R&D department.

SEFI CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD by notified body

CUSTOMERS

EXPORT DEPARTMENT

Commercial relationship
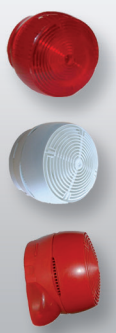Technical trainings
Assistance
Distribution under the factories
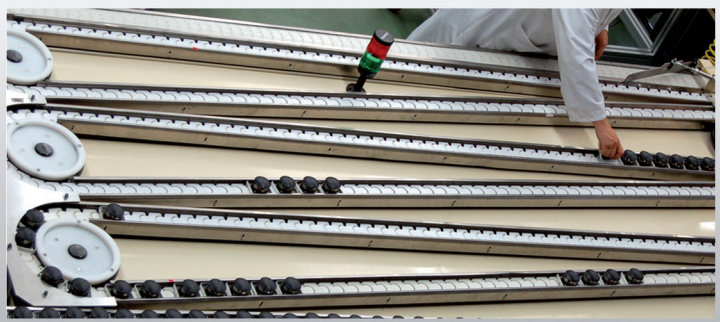brand all over the world

First french group manufacturer

Sounders and flashes
Location: Massy
(Paris) FRANCE

SESSY CERTIFICATIONS :
AFNOR / BOSEC-ANPI / CPD
by notified body

Gas detectors and panels,
Power supply
Location: Verona ITALY

DELTA ERRE CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD
by notified body

PANELS

2 zones

ALPHA 2

2 ZONES FIRE DETECTION CONVENTIONAL PANEL, max 32 detectors and/or MCP per line. Alarm/fault output relays , 1 monitored sounders line + 2 output relays and 1 programmable open collector. Alarm prealarm management. Compact panel not expandable. Needs 2 internal batteries 12V/4Ah

Options

Relay Card

SR2/24 — 2 WAYS RELAY output module, NO-NC 30V/1A to be plugged inside ALPHA2 panel

From 4 up to 12 zones

ALPHA 4/8/12

12 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 4 zones (max 12 zones) - max 32 detectors and/or MCP per line. Alarm/fault relays, 1 monitored sounders line, 4 programmable open collectors, 1 programmable input. Alarm prealarm/management + Day night mode. Expandable panel with availibility of 2 rooms for one or two 4 zones expansion board (EX4A4) or one or two Extinguishing boards (DEAG). EN54-2, EN54-4 AFNOR, BOSEC, CE CPD, EN12094-1 with extinguishing board (DEAG). Needs 2 batteries 12V/7Ah Exists also in 110VAC version.

Options

Expansion zone

EX4A4 — 4 ZONES EXPANSION BOARD, max 32 detectors and/or MCP per line, 1 or 2 EX4A4 boards can be plugged in ALPHA 4/8/12 and permits to expand the panel to 8 (with 1xEX4A4) or to 12 zones (with 2xEX4A4)

Relay Card

REP4R — 4 WAYS RELAY CARD, NO-NC 30V/1A , to be plugged inside the panel, connection by wires with programmable open collectors of ALPHA 4/8/12

R12P2 — 12 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside ALPHA 4/8/12 panel, serial communication, permits to repeat states of the panel on 12 relays

With fire brigade key

ALPHA 4/8/12 FBKEY

12 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 4 zones (max 12) - INCLUDING INTEGRATED FIRE BRIGADE KEY PROCESS (Action of key disable all function buttons). Max 32 detectors and/or MCP per line. Alarm/fault relays, 1 monitored sounders line, 4 programmable open collectors, 1 programmable input. Alarm prealarm/ management + Day night mode. Expandable panel with availibility of 2 rooms for one or two 4 zones expansion board (EX4A4) or one or two Extinguishing boards (DEAG). EN54-2, EN54-4 AFNOR, BOSEC, CE CPD, EN12094-1 with extinguishing board (DEAG). Needs 2 batteries 12V/7Ah

Flushmounting

ALP24-KIT19

Flusmounting metallic frame and backbox for ALPHA 4/8/12 or HEPHAIS 128

ALPHA 2 : 2 CONVENTIONAL ZONES PANEL

Detection line 1   EOL

Detection line 2   EOL

Monitored sounders line   EOL

Auto powered sounders line

- max. 32 devices per line
- (x2) 0,8mm diameter,
- max. 1 Km length

- Monitored sounders line (0,5A)
- Auto powered sounders line (1A)
- (x2) 1,5 mm²,
- max. 1Km length

Alarm NC/NO relay contact

Fault NC/NO relay contact

External power supply outputs

Resettable external power supply

Programmable open collector output

Option

SR2/24: 2 x NC/NO contact relays board

ALPHA 4/8/12 : 4, 8 or 12 CONVENTIONAL ZONES PANEL

Detection line 1   EOL

Detection line 2   EOL

Detection line 3   EOL

Detection line 4   EOL

EOL

Monitored sounders line   EOL

- max. 32 devices per line
- (x2) 0,8mm diameter,
- max. 1 Km length

- Monitored sounders line (0,5A)
- (x2) 1,5 mm²,
- max. 1Km length

Option

R12P2:
12 x NC/NO
contact relays
board

Alarm NC/NO relay contact

Fault NC/NO relay contact

External power supply output

4x programmable open collector output

EOL Programmable monitored input

Option

REP4R:
4 x NC/NO contact
relays board

**4 zones
conventional
panel**

Option

EX4A4:
4 detection
lines

**8 zones
conventional
panel**

Option

EX4A4:
4 detection
lines

**12 zones
conventional
panel**

From 16 up to 248 zones

ALPHA 16/248

248 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 16 zones expandable to 248 - Alphanumeric display 2x16 - Mimic panel integrated for 32 zones (alarm, fault, disable, test). Max 32 detectors and/or MCP per line. Alarm/fault relays, 1 monitored sounders line + 3 output relays and 1 programmable open collector. Alarm prealarm management. Needs 2xbatteries 12V/12Ah

Options

Expansion zone

EX8Z

8 ZONES EXPANSION BOARD
max 32 detectors and/or MCP per line, to be plugged inside ALPHA16/248 panel

Relay card

EX8R

8 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside ALPHA16/248 panel, programmable relays, permits to repeat states of the panel on 8 relays

Accessories

TR-SDI

REMOTE INDICATOR PANEL with leds and function keys, to repeat general alarm and fault, local test leds and silence buzzer

MANUAL EVACUATION PANEL WITH FLASH

With sounder and flash

MEPFLASH

AUTONOMOUS MANUAL COMPACT EVACUATION Alarm Flash panel. Equipped with 1 FLASH and 1 SOUNDER integrated + 1 front panel button. 2 internal batteries PP3(9V) are integrated. Works only on batteries without 230VAC.

MEPFLASH 1-1

AUTONOMOUS MANUAL COMPACT EVACUATION Alarm Flash panel. Equipped with 1 FLASH and 1 SOUNDER integrated + 1 front panel button + 1 external monitored MCP line + 1 external sounder line. Needs 2 internal batteries 12V/3,4Ah + external 230VAC. (Exists also with 2-2 version).

With voice alarm and flash

MEPFLASH VA

AUTONOMOUS MANUAL COMPACT EVACUATION Alarm Flash panel . Equipped with 1 FLASH and 1 VOICE SOUNDER integrated + 1 front panel button. 2 internal batteries PP3(9V) are integrated. Works only on batteries without 230VAC.
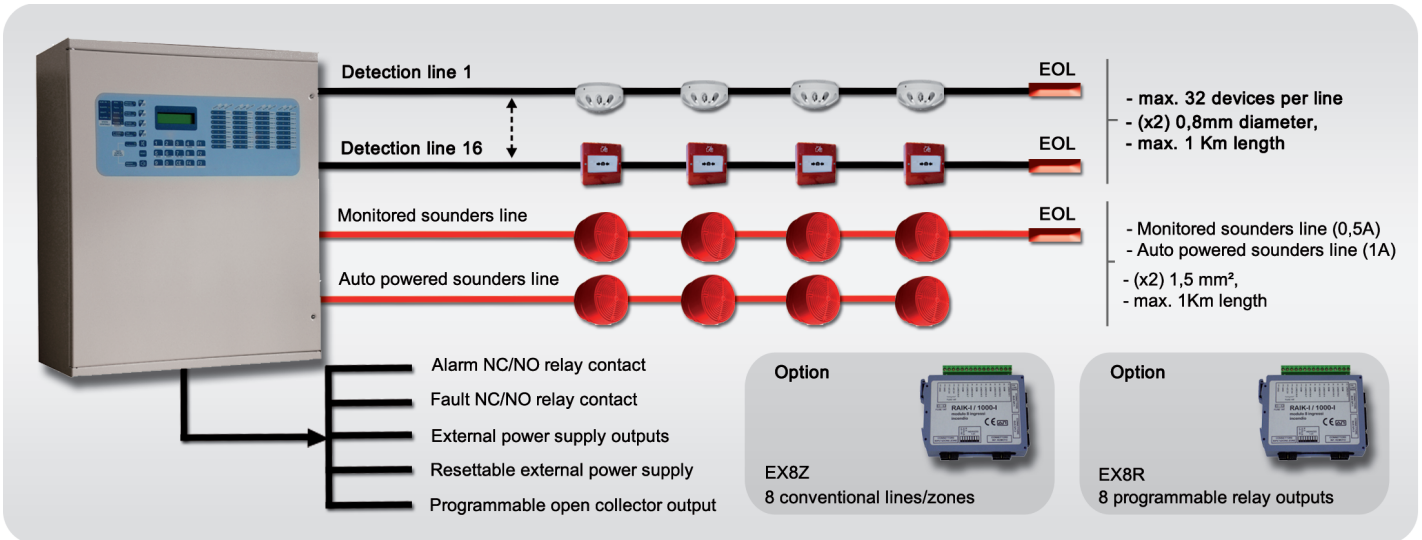
MEPFLASH VA 1-1

AUTONOMOUS MANUAL COMPACT EVACUATION Alarm Flash panel . Equipped with 1 FLASH and 1 VOICE SOUNDER integrated + 1 front panel button+ 1 external monitored MCP line+ 1 external sounder line. Needs 2 internal batteries 12V/3,4Ah + external 230VAC. (Exists also with 2 external monitored MCP + 2 external monitored sounder lines)

ALPHA 16/248 : 16 to 248 CONVENTIONAL ZONES PANEL

Detection line 1
Detection line 16
Monitored sounders line
Auto powered sounders line

EOL
- max. 32 devices per line
- (x2) 0,8mm diameter,
- max. 1 Km length

EOL
- Monitored sounders line (0,5A)
- Auto powered sounders line (1A)
- (x2) 1,5 mm²,
- max. 1Km length

- Alarm NC/NO relay contact
- Fault NC/NO relay contact
- External power supply outputs
- Resettable external power supply
- Programmable open collector output

Option
EX8Z
8 conventional lines/zones

Option
EX8R
8 programmable relay outputs

MEPLASH : MANUAL EVACUATION PANEL

MEPFLASH

OPTION 1-1
OPTION 2-2

MCP line 1
Monitored sounders line 1
MCP line 2
Monitored sounders line 2

EOL
- max. 32 devices per line
- (x2) 0,8mm diameter,
- max. 1 Km length
- Monitored sounders line (0,5A)
- (x2) 1,5 mm²,
- max. 1Km length

- Button
- Flash
- Sounder or voice sounder

- 24Vdc output
- Alarm NC/NO relay contact
- Fault NC/NO relay contact
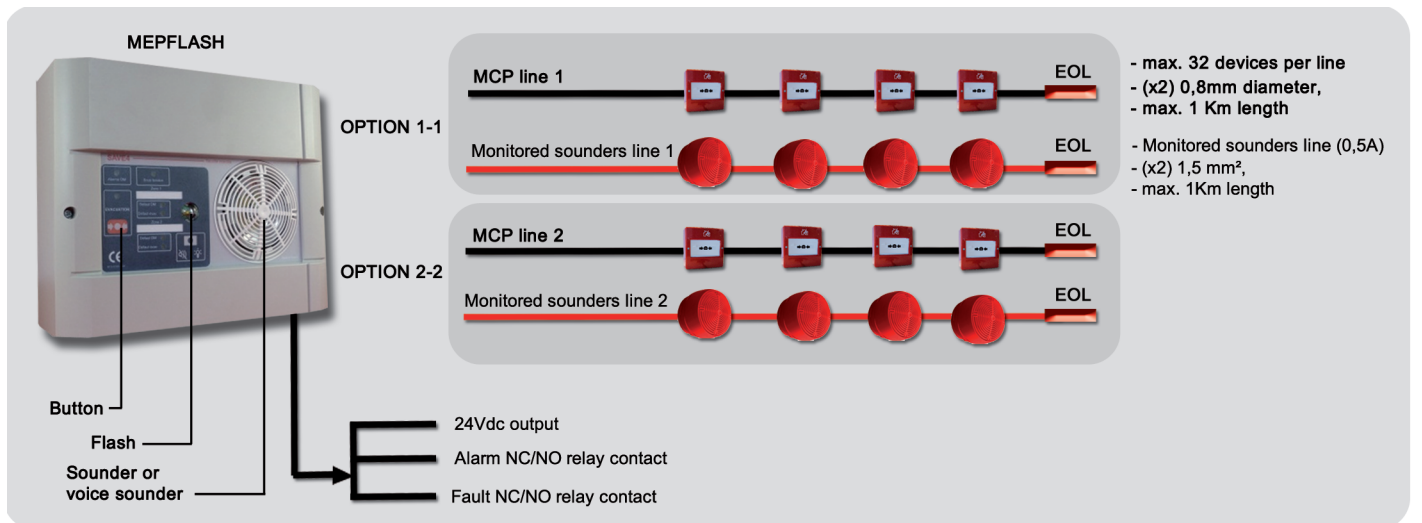
FIRE DETECTORS

05 range

OC05

CONVENTIONAL OPTICAL SMOKE DETECTOR, 1 remote led output, **EN54-7, CE according to CPD.**

TRC05

CONVENTIONAL RATE OF RISE + FIXED HEAT DETECTOR, T° = 62°C, + 9°C/min, 1 remote led output, **EN54-5, CE according to CPD.**

TSC05-A1S

CONVENTIONAL FIXED HEAT DETECTOR, T° = 62°C, 1 remote led output, **EN54-5, CE according to CPD.**

TSC05-BS

CONVENTIONAL FIXED HEAT DETECTOR, T° = 75°C, 1 remote led output, **EN54-5, CE according to CPD.**

12Vdc application with 05 range

OC05.12 or OC05.12-AR

CONVENTIONAL OPTICAL SMOKE DETECTOR, for 12V security type systems, to be used with R05 relay board, alarm latched or autoresettable (AR version)

TRC05.12 or TRC05.12-AR

CONVENTIONAL RATE OF RISE + FIXED HEAT DETECTOR, T° = 62°C, + 9°C/min, for 12V security type systems, to be used with R05 relay board, alarm latched or autoresettable (AR version)

TSC05-A1S.12 or TSC05-A1S.12-AR

CONVENTIONAL FIXED HEAT DETECTOR, T° = 62°C, for 12V security type systems, to be used with R05 relay board, alarm latched or autoresettable (AR version)

TSC05-BS.12 or TSC05-BS.12-AR

CONVENTIONAL FIXED HEAT DETECTOR, T° = 75°C, for 12V security type systems, to be used with R05 relay board, alarm latched or autoresettable (AR version)

Bases and accessories

S05SE

UNIVERSAL BASE WITH STICK ADDRESS SOCKET for 05-range conventional and addressable detectors.

PES05

FLUSHMOUNTING PIECE FOR BASE (Base not included), permits to flushmount a 05 range detector.

SOUND05 +S05SE

BASE WITH INTERNAL SOUNDER 95db @ 1m, Possibility to select 6 tones and 3 intensitivity levels, **EN54-3, CE according to CPD.**

R05

RELAY BOARD (12V or 24V) for 05 detectors (to be plugged in S05), NO-NC 30V/1A

CS05

PROTECTION PLATE for S05 base, permits to cover a base without detector.

BRI/EM + S05SE

Universal base with GLANDS HOLE for 05 range, base for tubes connections.

BRI+S05SE

WATERPROOF universal base with glands for 05 range (IP65), base with tubes connections supplied with glands

GAV

ANTIVANDALISM protection grid

CONVENTIONAL SYSTEMS

Y2 RANGE

● MCY2+S95

CONVENTIONAL MULTISENSOR (OPTICAL - HEAT) DETECTOR, 1 remote led output, **EN54-7,** base included.

FLAME DETECTORS

● IRY2+S95

CONVENTIONAL INFRARED FLAME DETECTOR, 1 remote led output, vision cone ± 45°, Distance max 25m, **EN54-10 class 1 and 2, CE according to CPD**, base included.

● IRY2-IP65

CONVENTIONAL INFRARED FLAME DETECTOR, 1 remote led output, vision cone ± 45°, Distance max 25m, IP65 box, dim 225x175x80.

● SUV+ES

CONVENTIONAL ULTRA VIOLET FLAME DETECTOR, 1 remote led output, vision cone ± 60° , radiation analysis range from 80nm to 270nm, base included.

MANUAL CALL POINTS

05 range

● DMCL05

CONVENTIONAL MANUAL CALL POINT resettable with key without breaking glass, led and alarm resistor integrated, RED colour, **EN54-11, CE according to CPD**

● DMCL05-J

CONVENTIONAL MANUAL CALL POINT resettable with key without breaking glass, led and alarm resistor integrated, YELLOW colour

● DMCL05-B

CONVENTIONAL MANUAL CALL POINT resettable with key without breaking glass, led and alarm resistor integrated, BLUE colour

Accessories

● CS05

PLASTIC FRAME for flush mounting MCP

● VPDM

TRANSPARENT LIFT-UP protective cover for MCP, permits a double action (supplied with protection label)

● KCTDM

KIT OF 10 RESET KEYS for 05 MCP

05 waterproof MCP

● DMC05 E

CONVENTIONAL WATERPROOF MANUAL CALL POINT resettable with key without breaking glass, led and alarm resistor integrated, RED colour, **EN54-11, CE according to CPD**

AIR DUCT DETECTION

● **BTG05-P5901**

AIR DUCT DETECTOR HOUSING for 05 range (detector not included), dimensions 220x186x105mm, IP55

LINEAR HEAT DETECTION

● **HC68**

LINEAR HEAT DETECTION cable 68° (price per meter) connectable directly to conventional panels or addressable modules

● **HC105**

LINEAR HEAT DETECTION cable 105° (price per meter) connectable directly to conventional panels or addressable modules

Conventional panel

Or

Addressable
Input module

Alarm Resistor
RAL

EoL

HC68 or HC105
Max. length = 750m
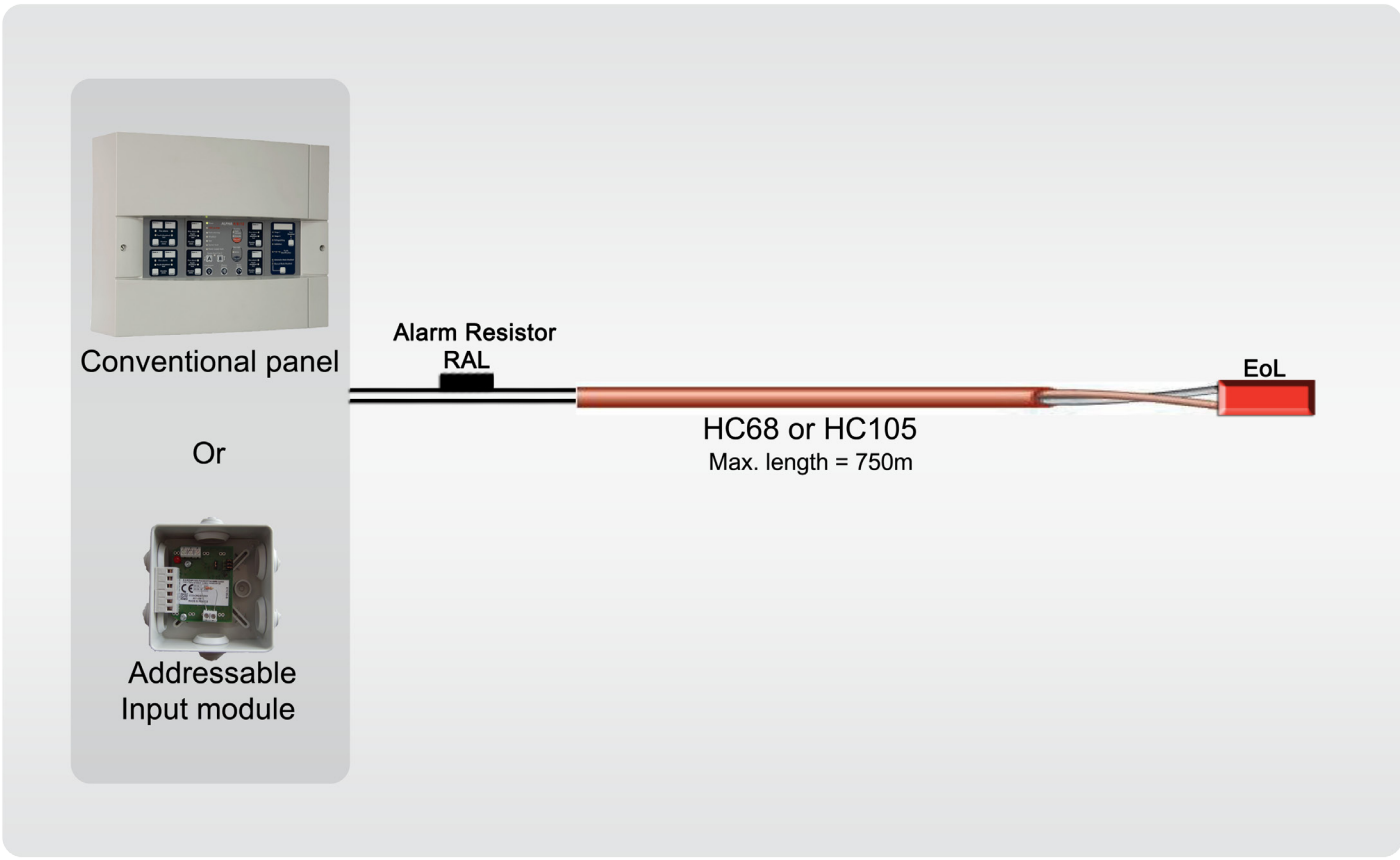
STAND ALONE DETECTORS

SMOKE ALARM DETECTOR

● VESTA

DOMESTIC PHOTOELECTRIC SMOKE ALARM DETECTOR with 9V battery, 5 years life duration, 6 years warranty, **CE EN14604 according to CPD** (Exists also with lithium battery 9Vdc 10 years life duration)

Accessories

● DAAF-REL

PLUG IN CARD with NO contact, permits to repeat the state of alarm (for intrusion panels)

SMOKE ALARM WIRELESS SYSTEM

● VESTA COM

DOMESTIC PHOTOELECTRIC SMOKE ALARM DETECTOR with 9V battery, 4 years life duration, wireless detector connected to gateway , 4 years warranty **CE EN14604 according to CPD.**

● PASSERELLE RADIO

WIRELESS GATEWAY with remote control and main 230Vac supply, dedicated for VESTA COM. General + localisation alert information. Able to manage up to 32 detectors VESTA COM. Works on 868 Mhz frequency.

PASSERELLE RADIO
HUB OF DETECTORS (Wireless)
868 MHz frequency radio
200m max length

VESTA COM
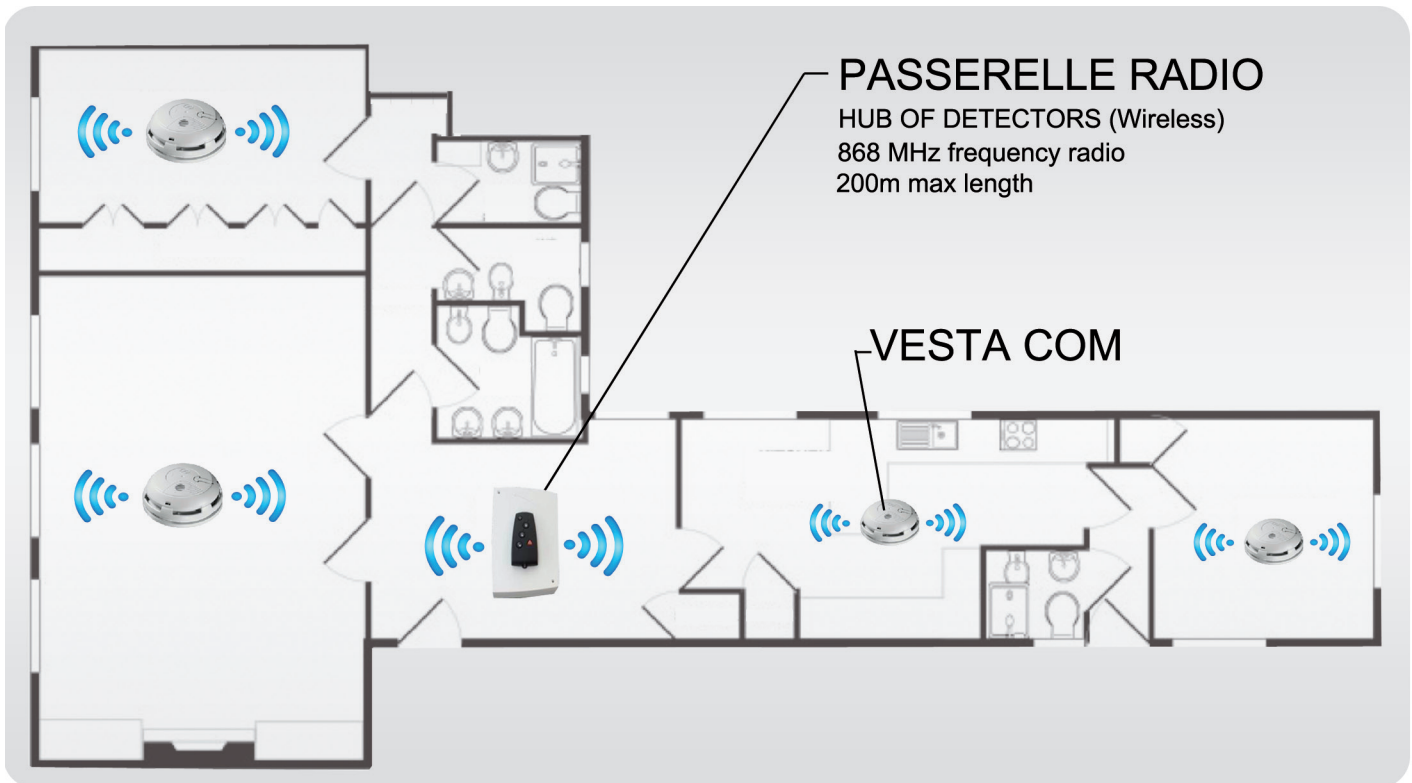
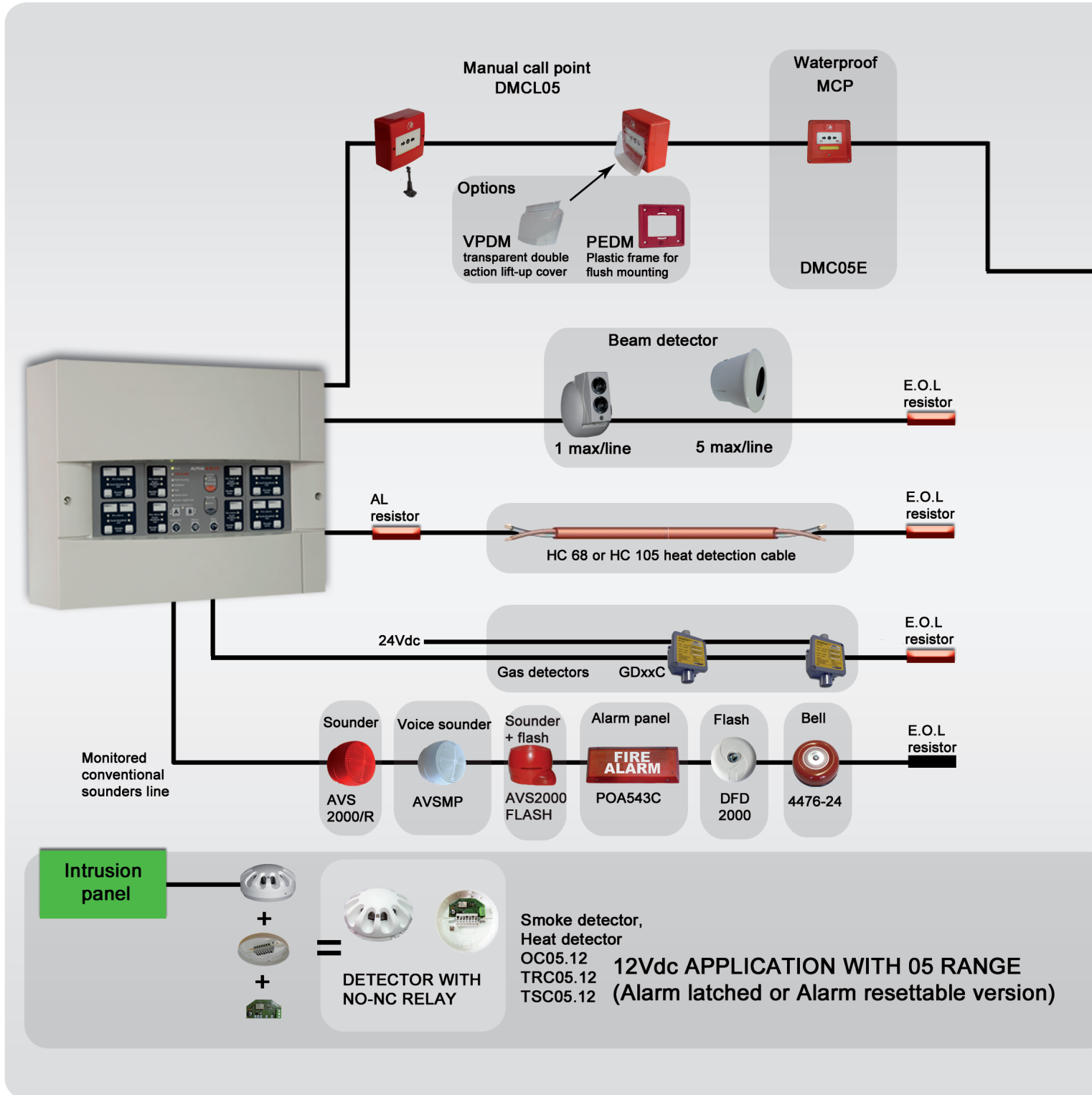## GAS ALARM DETECTOR

● DAACO10

Stand alone CARBON MONOXIDE (CO) gas detector with electrochemical sensor, embedded buzzer. Supplied with 5 years life duration battery.
CE CPD EN50291 conform.

Defective or badly installed gas heater devices

Motor gas

Combustion in a closed area or badly ventilated

Manual call point
DMCL05

Waterproof
MCP

Options

VPDM
transparent double
action lift-up cover

PEDM
Plastic frame for
flush mounting

DMC05E

Beam detector

E.O.L
resistor

1 max/line   5 max/line

AL
resistor

E.O.L
resistor

HC 68 or HC 105 heat detection cable

24Vdc

E.O.L
resistor

Gas detectors   GDxxC

Sounder	Voice sounder	Sounder + flash	Alarm panel	Flash	Bell	
			FIRE ALARM			E.O.L resistor
AVS 2000/R	AVSMP	AVS2000 FLASH	POA543C	DFD 2000	4476-24	

Monitored
conventional
sounders line

Intrusion panel

+

=

DETECTOR WITH
NO-NC RELAY

Smoke detector,
Heat detector
OC05.12
TRC05.12
TSC05.12

12Vdc APPLICATION WITH 05 RANGE
(Alarm latched or Alarm resettable version)

IND05
alarm
indicator

Smoke detector
Heat detector
OC05, TRC05,
TSC05

S05 Base

Flushmounting
piece for detector
PES05

S05 Base

+

Smoke detector,
Heat detector
OC05
TRC05
TSC05

=

**FLUSHMOUNTED
DETECTOR**

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05 Base

+

R05
Relay card

=

**DETECTOR WITH
NO-NC RELAY**

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05 Base

+

SOUND05

=

**DETECTOR WITH
SOUNDER BASE
95 dB @ 1m**

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05 Base

+

BRI(IP65)
or BRI/EM

=

**DETECTOR WITH
TUBE CONNECTIONS**

Infrared flame
detector IP65

E.O.L
resistor

IRY2-IP65

Infrared flame
detector
IRY2 + S95 base

Infrared flame detector
typical distance = 17m

Vision
cone 90°

Ultraviolet flame
detector
SUV +ES base

Ultraviolet flame detector
typical distance = 17m

Vision
cone120°

Air duct detector
housing box

BTG05
with detector :
OC05

Multicriteria
detector

MCY2
+S95 Base

PANELS

From 1 to 128 addresses

Options

HEPHAIS 128

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, 128 ADDRESSES, 2 loops or 4 open circuits (open circuit with max 32 addresses), 99 ZONES, 1000 memory events, 1 monitored sounders line + 5 programmable output relays, 1xRS232 serial output for printer or remote control panel, 2 programmable inputs. The panel can be set by keyboard or software. Needs 2 internal batteries 12V/7Ah. **EN54-2, EN54-4, CE according to CPD.**

TELEHEPHAIS 128
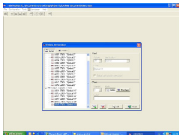
SOFTWARE PROGRAMMING TOOL for HEPHAIS 128, uploading/downloading

Relay card

R7P2 — 7 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 7 relays

R12P2 — 12 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 12 relays

Remote monitoring panel

ALPHA RE — REMOTE USER INTERFACE PANEL with serial 485 connection, alphanumeric display LCD 160 characters and keyboard

Flushmounting

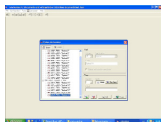**ALP24-KIT19** — FLUSHMOUNTING METALLIC FRAME and backbox for ALPHA 4/8/12 or HEPHAIS 128

From 1 to 400 addresses

Options

HEPHAIS 1600 NE

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, NOT EXPANDABLE, 400 ADDRESSES, 2 master loops or 4 open circuits (open circuit with max 32 addresses), 1000 ZONES, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output , needs 2 internal batteries 12V/12Ah. EN54-2, **EN54-4,CE according to CPD**

TELEHEPHAIS 1600

SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600 NE and HEPHAIS 1600

Specific software

LOCK 1600-3

CUSTOMER SIGNATURE PROTECTION Hardware Key for HEPHAIS 1600 NE and HEPHAIS 1600. Permits with TELEHEPHAIS 1600 to upload/download the panel with your own signed protection key, PACK of 3xKEYS, with or without time bomb
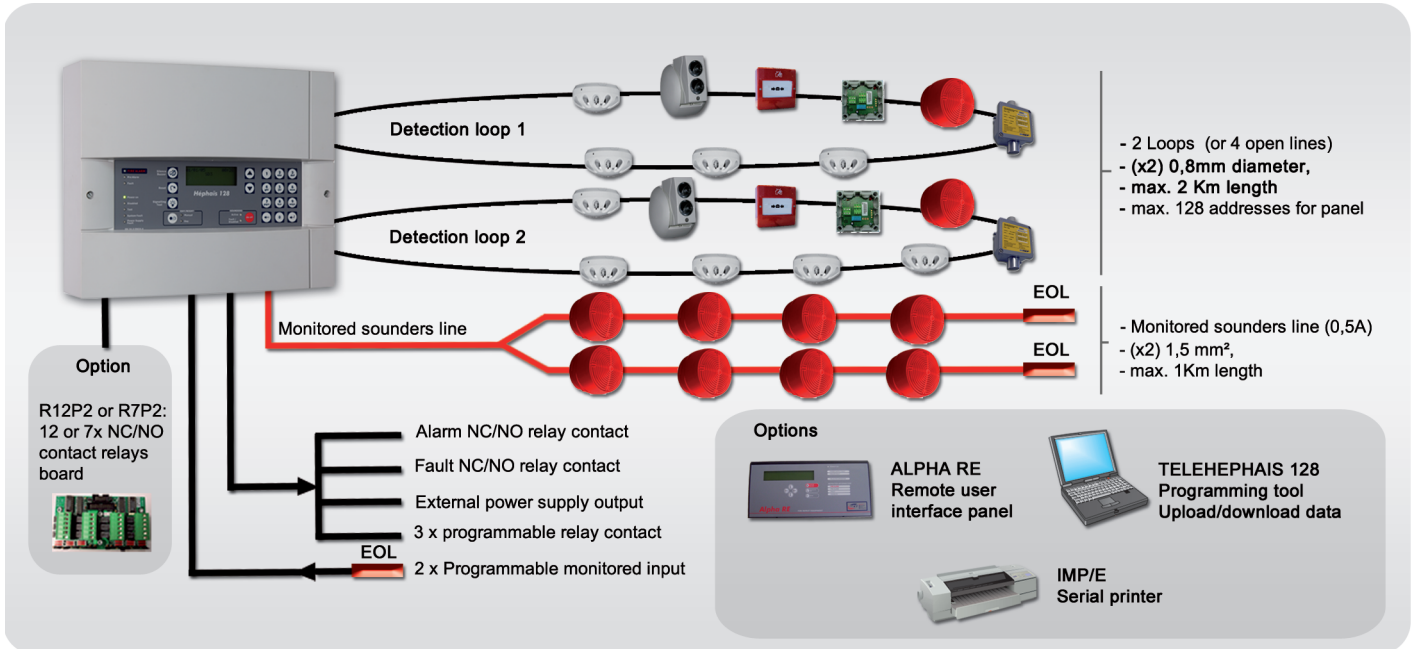
TIME BOMB RENEW
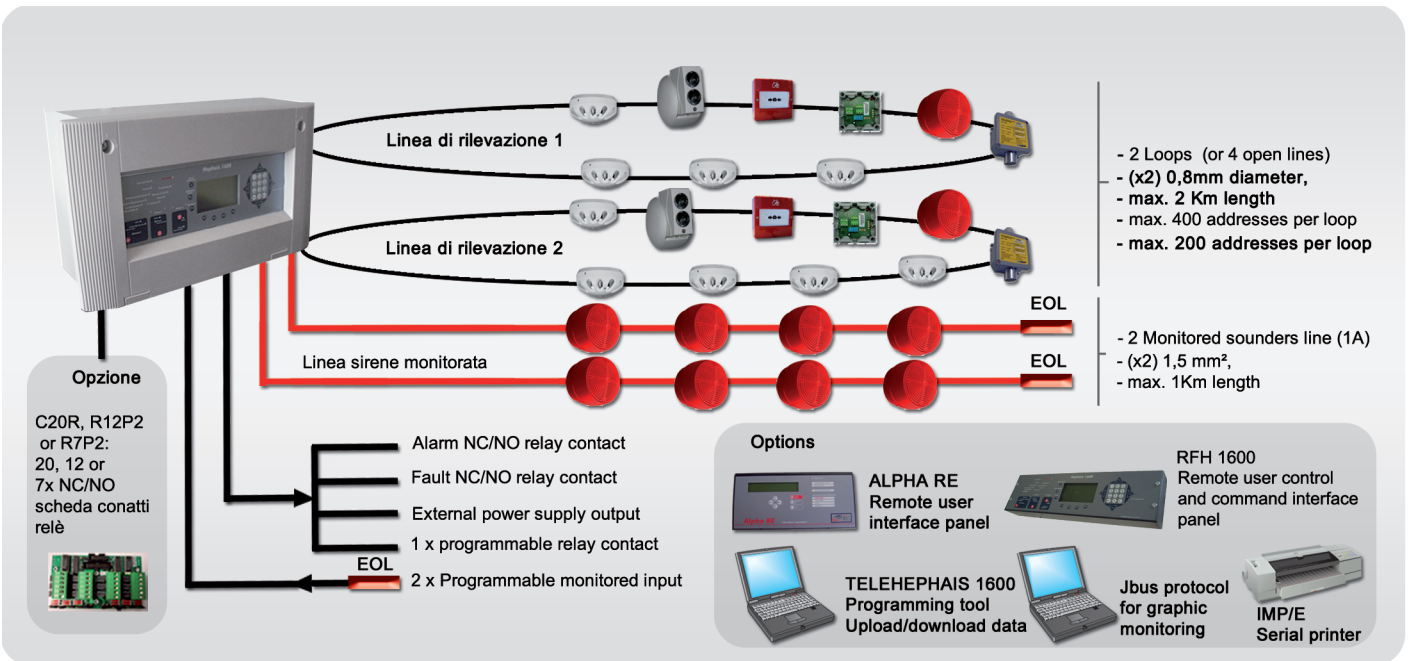
Renewal of 1 year time bomb

Relay card

R7P2 — 7 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 7 relays

R12P2 — 12 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 12 relays

C20R — 20 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 20 relays

Loop split circuit

4ISOL — SPLITTING LOOP CARD, permit to split one loop up to 4 isolated loops to be plugged inside the panel and completed with ICC05 (one for each split)

Sounder circuit

X4EVAC — 4 MONITORED WAYS SOUNDER CIRCUIT extension board, permits to multiply 1 sounder circuit in 4 activated simultaneously, to be plugged inside the panel

Remote monitoring panel

ALPHA RE — REMOTE USER INTERFACE PANEL with serial 485 connection, alphanumeric display LCD 160 characters and keyboard

INTELLIGENT/INTERACTIVE PANELS AND DETECTORS/DEVICES

HEPHAIS 128 : FROM 1 TO 128 ADDRESSES

Detection loop 1

Detection loop 2

Monitored sounders line

EOL

EOL

- 2 Loops (or 4 open lines)
- (x2) 0,8mm diameter,
- max. 2 Km length
- max. 128 addresses for panel

- Monitored sounders line (0,5A)
- (x2) 1,5 mm²,
- max. 1Km length

Option

R12P2 or R7P2:
12 or 7x NC/NO
contact relays
board

Alarm NC/NO relay contact
Fault NC/NO relay contact
External power supply output
3 x programmable relay contact
EOL
2 x Programmable monitored input

Options

ALPHA RE
Remote user
interface panel

TELEHEPHAIS 128
Programming tool
Upload/download data

IMP/E
Serial printer

HEPHAIS 1600NE : FROM 1 TO 400 ADDRESSES

Linea di rilevazione 1

Linea di rilevazione 2

Linea sirene monitorata

EOL

EOL

- 2 Loops (or 4 open lines)
- (x2) 0,8mm diameter,
- max. 2 Km length
- max. 400 addresses per loop
- max. 200 addresses per loop

- 2 Monitored sounders line (1A)
- (x2) 1,5 mm²,
- max. 1Km length

Opzione

C20R, R12P2
or R7P2:
20, 12 or
7x NC/NO
scheda conatti
relè

Alarm NC/NO relay contact
Fault NC/NO relay contact
External power supply output
1 x programmable relay contact
EOL
2 x Programmable monitored input

Options

ALPHA RE
Remote user
interface panel

RFH 1600
Remote user control
and command interface
panel

TELEHEPHAIS 1600
Programming tool
Upload/download data

Jbus protocol
for graphic
monitoring

IMP/E
Serial printer

17

PANELS

From 1 to 1600 addresses

HEPHAIS 1600-400/L

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 16 LOOPS - supplied as standard for 400 points on 2 master loops (max 200 addresses / loop) or 4 spur circuits, expandable up to 7 x MG2B (loop boards), **in large box with integrated front panel,** 1000 zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. Needs 2 internal batteries 12V/17Ah. **EN54-2, EN54-4, CE according to CPD**

HEPHAIS 1600-400/S

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 10 LOOPS - supplied as standard for 400 points on 2 master loops (max 200 addresses/loop)or 4 spur circuits, expandable up to 4 x MG2B (loop boards), **in small box with integrated front panel,** 1000 Zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel,4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. Needs 2 internal batteries 12V/12Ah. **EN54-2, EN54-4, CE according to CPD**
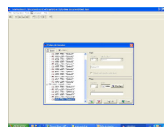
HEPHAIS 1600-400/L BB

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 16 LOOPS - supplied as standard for 400 points on 2 master loops (max 200 addresses/ loop) or 4 spur circuits, expandable up to 7 x MG2B (loop boards), in large box without front panel, 1000 Zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. Needs 2 internal batteries 12V/17Ah. **EN54-2, EN54-4, CE according to CPD**

HEPHAIS 1600-400 LPM

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 16 LOOPS - supplied as standard for 400 points on 2 loops (max 200 adresses/loop) or 4 spur circuits, expandable up to 7x MG2B (loop boards), EN54-2, EN 54-4,1000 Zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. Needs 2 internal batteries 12V/17Ah or 24Ah. **EN54-2, EN54-4, CE according to CPD**

HEPHAIS 1600-400 COMFORT /L

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 16 LOOPS - supplied as standard for 400 points on 2 master loops (max 200 addresses/loop) or 4 open circuits, expandable up to 7 x MG2B (loop boards), in large box with integrated USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3inches, and keyboard, 1000 Zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. TCPIP Connection for safe remote monitoring interface. Needs 2 internal batteries 12V/17Ah or 12V/24Ah. **EN54-2, EN54-4, CE according to CPD**

HEPHAIS 1600-400 COMFORT /S

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 10 LOOPS - supplied as standard for 400 points on 2 master loops (max 200 addresses/loop) or 4 open circuits, expandable up to 4 x MG2B (loop boards), in small box with integrated USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3inches, and keyboard, 1000 Zones, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for printer and 1xRS485 serial output for remote control panel, 4 programmable inputs, RS422 JBUS monitoring output, networkable with MGNET board. TCPIP Connection for safe remote monitoring interface. Needs 2 internal batteries 12V/12Ah. **EN54-2, EN54-4, CE according to CPD**

TELEHEPHAIS 1600

SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600 range

Specific software

LOCK 1600-3

CUSTOMER SIGNATURE PROTECTION Hardware Key for HEPHAIS 1600 NE and HEPHAIS 1600. Permits with TELEHEPHAIS 1600 to upload/download the panel **with your own signed protection key, PACK of 3xKEYS, with or without time bomb**

TIME BOMB RENEW

RENEWAL of 1 year time bomb

C-REM

ACCESS CODES for Remote TCPIP monitoring on HEPHAIS 1600-400 COMFORT

PANELS

HEPHAIS 1600 range

Options

Loop card

MG2B

EXTENSION MODULE 2 LOOPS (max 200 points per loop) or 4 spur circuits (max 32 points per circuit) to be plugged inside the panel

IE2M

IE2M is an extension board with connectors allowing to connect from 2 to 4 MG2B. This board permits to expand the panel from 10 to 16 loops. Necessary if more than 10 loops needed.

Network cards

MGNET

NETWORK CARD, must be plugged in each panel for network application, network done with RS485 redundant connection

Relay card

R7P2

7 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 7 relays

R12P2

12 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 12 relays

C20R

20 RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 20 relays

Loop split circuit

4ISOL

SPLITTING LOOP CARD, permits to split one loop up to 4 isolated loops to be plugged inside the panel and completed with ICC05 (one for each split)

Sounder circuit

X4EVAC

4 MONITORED WAYS SOUNDER CIRCUIT extension board, permits to multiply 1 sounder circuit in 4 activated simultaneously, to be plugged inside the panel
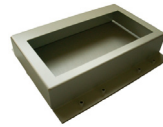
Printers

IMP

INTERNAL SERIAL FLUSH MOUNTED PRINTER can be directly mounted in metallic box of HEPHAIS 1600 or through SUPIMP piece for plastic box
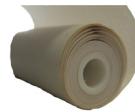
SUPIMP

MOUNTING KIT to flushmount IMP printer in LARGE PLASTIC box of HEPHAIS 1600

IMP/E

EXTERNAL SERIAL PRINTER, dimensions 165x135x50mm

KCT10

PACK OF 10 THERMIC PAPER ROLLS

Remote monitoring panel

COMFORT 1600

USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3inches, and keyboard, 19 inches, 3U, can be integrated in cabinet or in CO3U console. TCPIP Connection for safe remote monitoring interface

RFH 1600

USER INTERFACE FRONT PANEL (command and control) with alphanumeric display 160 characters and keyboard, 19 inches, 3U, can be integrated in cabinet or in CO3U console

CO3U

PLASTIC BOX CONSOLE for RFH 1600 front panel or COMFORT 1600
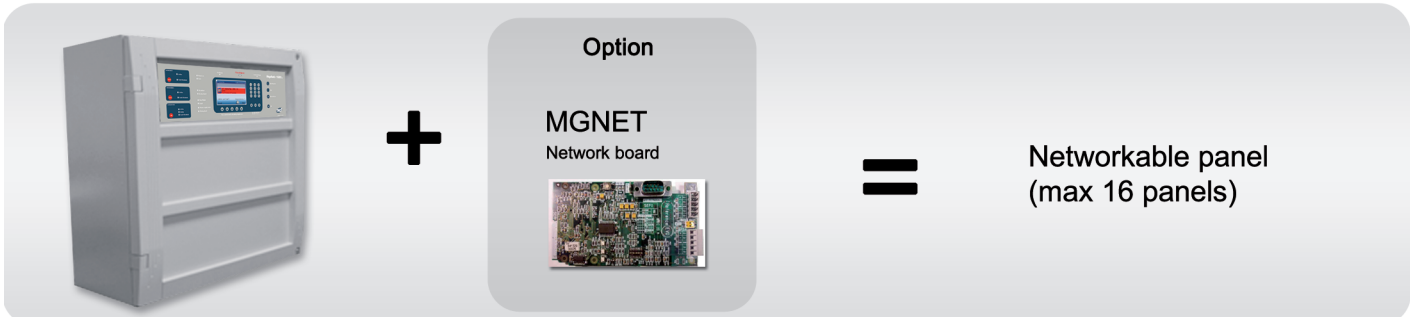
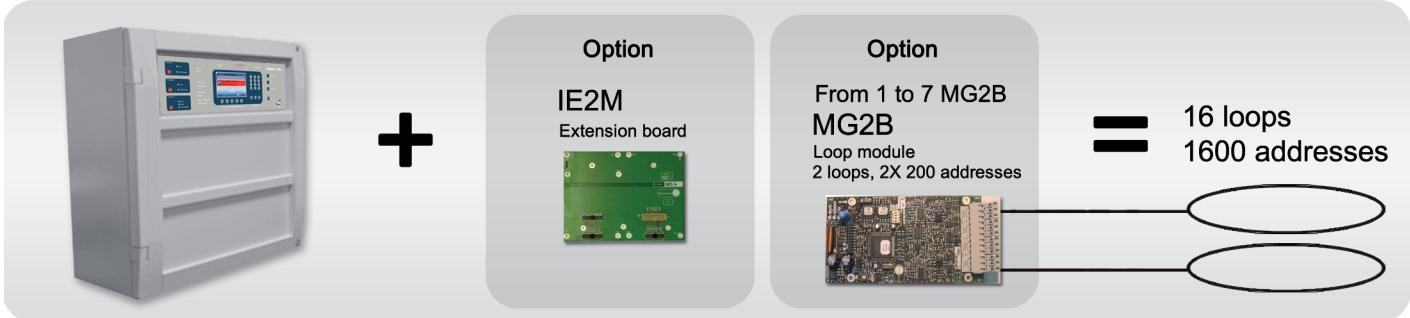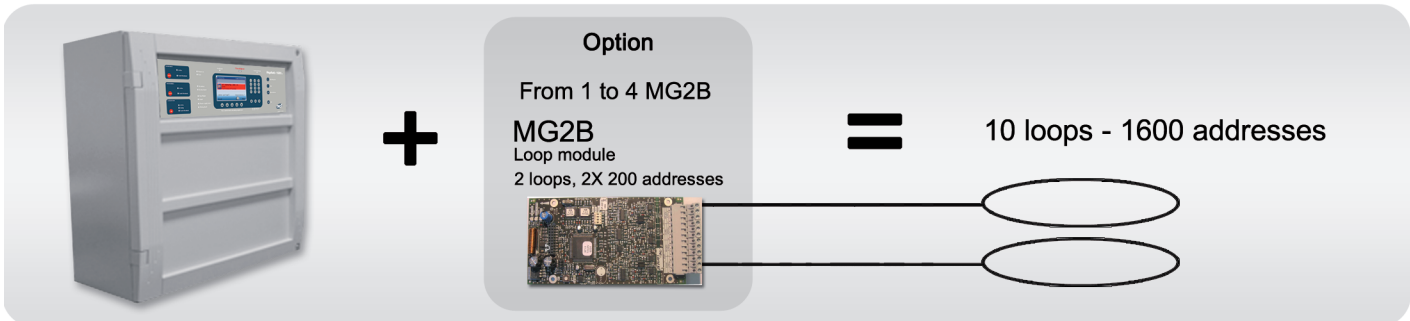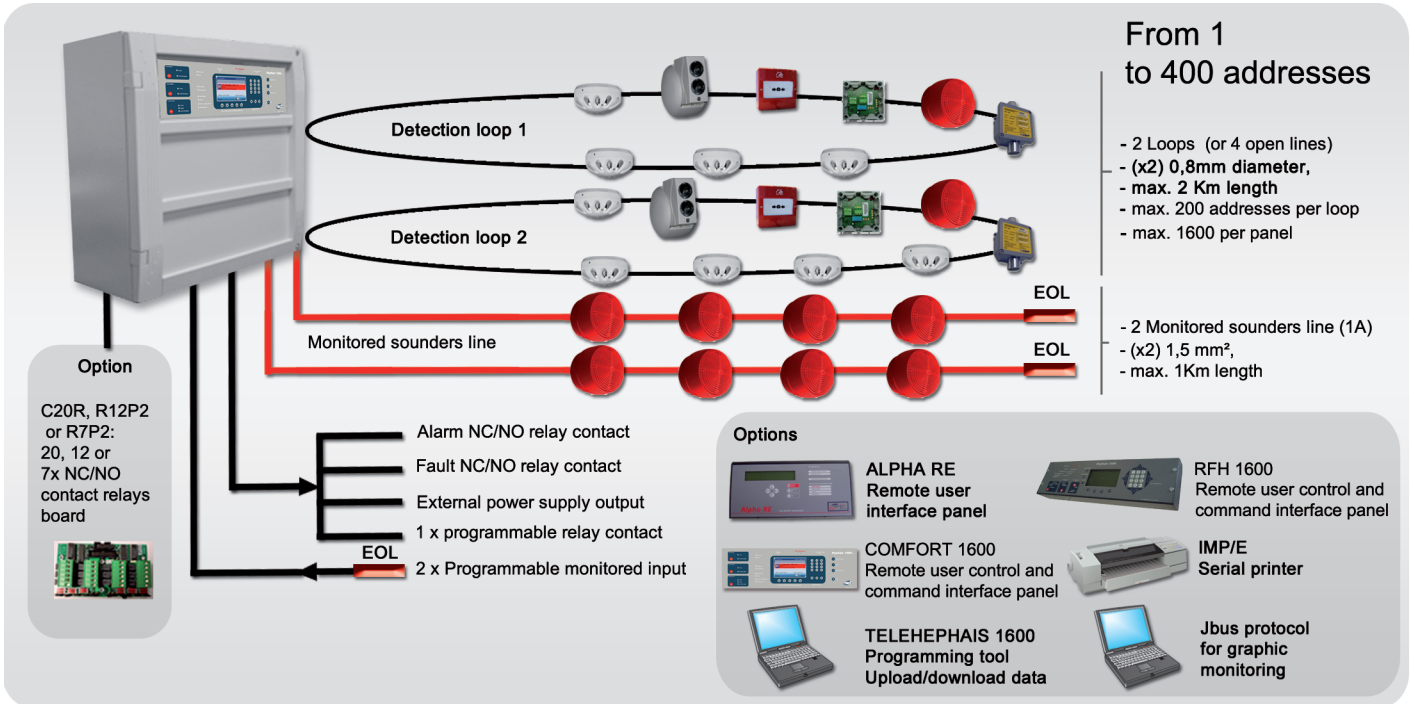#### ALPHA RE

REMOTE USER INTERFACE PANEL with serial 485 connection, alphanumeric display LCD 160 characters and keyboard

HEPHAIS 1600 or/and HEPHAIS 1600 COMFORT : FROM 1 TO 1600 ADDRESSES

From 1 to 400 addresses

Detection loop 1

Detection loop 2

Monitored sounders line

EOL
EOL

- 2 Loops (or 4 open lines)
- (x2) 0,8mm diameter,
- max. 2 Km length
- max. 200 addresses per loop
- max. 1600 per panel

- 2 Monitored sounders line (1A)
- (x2) 1,5 mm²,
- max. 1Km length

Option

C20R, R12P2 or R7P2: 20, 12 or 7x NC/NO contact relays board

Alarm NC/NO relay contact
Fault NC/NO relay contact
External power supply output
1 x programmable relay contact

EOL

2 x Programmable monitored input

Options

ALPHA RE Remote user interface panel

RFH 1600 Remote user control and command interface panel

COMFORT 1600 Remote user control and command interface panel

IMP/E Serial printer

TELEHEPHAIS 1600 Programming tool Upload/download data

Jbus protocol for graphic monitoring

Option

From 1 to 4 MG2B

MG2B
Loop module
2 loops, 2X 200 addresses

+

=

10 loops - 1600 addresses

Option

IE2M
Extension board

Option

From 1 to 7 MG2B
MG2B
Loop module
2 loops, 2X 200 addresses

+

=

16 loops
1600 addresses

Option

MGNET
Network board

+

=

Networkable panel
(max 16 panels)

HEPHAIS 1600 or/and HEPHAIS 1600 COMFORT in network

RS485
Max 1Km

2 x RS485
Max 1Km

24Vdc
(if more than
2 panels)

ALPHA RE
(max 20)

RFH 1600 or
COMFORT 1600
(max 2)

Max. 1Km
2 cables for com
2 cables for power supply

Rs422 Jbus com
for monitoring software
or OPC server

16 panels
Network

RS485 loop
Network com

Network application example.
NOTE: This is valid for each HEPHAIS1600

RS232

OPTIC FIBER max 25 km

CONCUFI

HEPHAIS 1600 or
HEPHAIS 1600 COMFORT

HEPHAIS 1600 COMFORT

x1 USB port
Memory events

x1 TCP/IP port
Remote front panel
Visualization

Design metalic box

TCP/IP

HEPHAIS 1600
front panel
visualization

- Color display
- Pictogram pictures
- Colors according to events
- Touch keypad

INTELLIGENT FIRE DETECTORS

05 range

OA05

INTELLIGENT/INTERACTIVE OPTICAL SMOKE DETECTOR, microprocessor based, 1 programmable remote alarm indicator output, 8 levels sensitivity setting, **EN54-7 CE according to CPD**

TA05

INTELLIGENT/INTERACTIVE HEAT DETECTOR, static or/and rate of rise, microprocessor based , 1 programmable remote alarm indicator output, 6 levels sensitivity setting, **EN54-5, CE according to CPD**

MA05

INTELLIGENT/INTERACTIVE OPTICAL-HEAT DETECTOR, multicriteria or combined, microprocessor based,1 programmable remote alarm indicator output, 8 levels sensitivity setting, **EN54-7, CE according to CPD**

With integrated isolator

OA12

INTELLIGENT/INTERACTIVE OPTICAL SMOKE DETECTOR, WITH EMBEDDED ISOLATOR, microprocessor based, 1 programmable remote alarm indicator output, 8 levels sensivity setting, **EN54-7, CE according to CPD**

TA12

INTELLIGENT/INTERACTIVE HEAT DETECTOR, WITH EMBEDDED ISOLATOR, static or/and rate of rise, microprocessor based, 1 programmable remote alarm indicator output, 6 levels sensitivity setting, **EN54-5, CE according to CPD**

MA12

INTELLIGENT/INTERACTIVE OPTICAL-HEAT DETECTOR, WITH EMBEDDED ISOLATOR, multicriteria or combined, microprocessor based, 1 programmable remote alarm indicator output, 8 levels sensitivity setting, **EN54-7, CE according to CPD**

Bases and accessories

S05SE

UNIVERSAL BASE WITH STICK ADDRESS SOCKET for 05-range conventional and addressable detectors

PES05

FLUSHMOUNTING PIECE FOR BASE (Base not included), permits to flushmount a 05 range detector.

SOUND05 +S05SE

BASE WITH INTERNAL SOUNDER 95db @ 1m, Possibility to select 6 tones and 3 intensitiy levels, **EN54-3, CE according to CPD.**

ICC05

PLUG IN ISOLATOR BOARD for 05 detectors (to be plugged in S05SE)

STRAP

PLUG IN CONNECTION BOARD for cable ≥ 1,5mm2 (to be plugged in S05SE if required)

R05

RELAY BOARD (12V or 24V) for 05 detectors (to be plugged in S05), NO-NC 30V/1A

CS05

PROTECTION PLATE for S05 base, permits to cover a base without detector

BRI/EM +S05SE

Universal base with GLANDS HOLE for 05 range, base with tubes connections

BRI+S05SE

WATERPROOF universal base with glands for 05 range (IP65), base with tubes connections supplied with glands

GAV

ANTIVANDALISM protection grid

Addressable flame detector

IR95+S95

ANALOGUE/ADDRESSABLE INFRARED FLAME DETECTOR, microprocessor based, 1 programmable remote alarm indicator output, **EN54-10 CE according to CPD**

ADDRESSABLE MANUAL CALL POINTS

05 range

DMA05

ADDRESSABLE MANUAL CALL POINT resettable with key without breaking glass, integrated isolator, red colour, **EN54-11, EN54-17, CE according to CPD**

DMA05R

ADDRESSABLE MANUAL CALL POINT resettable with key without breaking glass, integrated isolator and programmable relay output, red colour, **EN54-11, EN54-17, EN54-18 CE according to CPD**

05 waterproof MCP

DMA05 E

ADDRESSABLE WATERPROOF MANUAL CALL POINT - resettable with key without breaking glass, integrated isolator, red colour, **EN54-11, EN54-17, CE according to CPD**

Accessories

PEDM

PLASTIC FRAME for flush mounting MCP

VPDM

TRANSPARENT LIFT-UP protective cover for MCP, permits a double action (suplied with protection label)

KCTDM

KIT OF 10 RESET KEYS for 05 MCP

LOOP SOUNDERS

AVSA05/R (AVSA 2000)

ADDRESSABLE HIGH POWERED PIEZOELECTRIC SOUNDER for indoor use (red colour), integrated isolator, possibility to select 6 tones, 95db@1m, lateral hearings, loop powered, for HEPHAIS 1600 range .
Exists also in white colour (AVSA05/W)

INTERFACE LOOP UNITS

● MAY1

ADDRESSABLE ZONE INTERFACE MODULE with backbox, for max 32 conventional points

● MBA95

ADDRESSABLE ZONE INTERFACE MODULE with backbox, for max 32 conventional points, isolator integrated, opto-isolated on the secondary line, **EN54-17, EN54-18, EN54-13 CE according to CPD**

● ETC05-B

ADDRESSABLE INPUT/OUTPUT MODULE with backbox, isolator integrated, NO or NC monitoring for input , relay output NO-NC 30V/1A, **EN54-17, EN54-18 CE according to CPD (exists also in RAIL DIN version)**

● ET4C05-B

ADDRESSABLE 4 INPUT/OUTPUT MODULE with backbox, isolator integrated, NO or NC monitoring for input , relay output NO-NC 30V/1A, **EN54-17, EN54-18 CE according to CPD**

● EDL
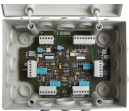
ADDRESSABLE 2 MONITORED INPUT + 1 MONITORED LINE OUTPUT permits to manage 2 monitored inputs and use monitored sounders line for outputs, **EN54-17, EN54-18, CE according to CPD**

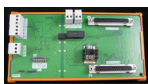### ● ED4L

ADDRESSABLE 8 MONITORED INPUT + 4 MONITORED LINE OUTPUT permits to manage 8 monitored inputs and use monitored sounders line for outputs, **EN54-17, EN54-18, CE according to CPD**

● IAT16R/D

ADDRESSABLE 16 OUTPUT RELAY MODULE on rail din, relay output NO-NC 30V/1A

● IAT16E/D

ADDRESSABLE 16 MONITORED INPUT MODULE on rail din

● MIMIC B60

DIN RAIL MOUNTING 60 ADDRESSABLE outputs dedicated for Mimic panel leds.

PROGRAMMING, TEST AND MAINTENANCE TOOL

● MINIBT05

Portable tool for programming / test / maintenance of detectors and addressable devices.

From 3 to 30m

Accessories

● DLFB30 I

INTELLIGENT INTERACTIVE BEAM DETECTOR (loop powered) for linear smoke detection supplied with reflector for distance from 3 up to 30 meters, integrated isolator, integrated laser pointer for alignment, **EN54-12, EN54-17, CE according to CPD**

● DLFB30 R

RELAY BEAM DETECTOR, for linear smoke detection supplied with reflector for distance from 3 up to 30 meters, NO-NC ALARM, NO-NC FAULT, integrated laser pointer for alignment, **EN54-12, EN54-17, CE according to CPD**

From 3 to 100m

● DLFBe I

INTELLIGENT INTERACTIVE BEAM DETECTOR (loop powered) for linear smoke detection supplied with reflector for distance from 3 up to 100 meters, integrated isolator, visible ray for alignment, **EN54-12, EN54-17 CE according to CPD**. Exists also in conventional version with ALPHA panel, DLFBe C.

● DLFBe R

RELAY BEAM DETECTOR, for linear smoke detection supplied with reflector for distance from 3 up to 100 meters, NO-NC ALARM, NO-NC FAULT, visible ray for alignment, **EN54-12, CE according to CPD**

● DETTEL

REMOTE CONTROL WITH DISPLAY AND KEYPAD for DLFBe and DLFB30, permits to adjust the alignment and program the beam

● BEAM-BR

REMOTE BOX FOR BEAM, permits remotely to enable/disable, reset, can be plugged on the remote control DETTEL, 4 to 5 wires connections to the beam
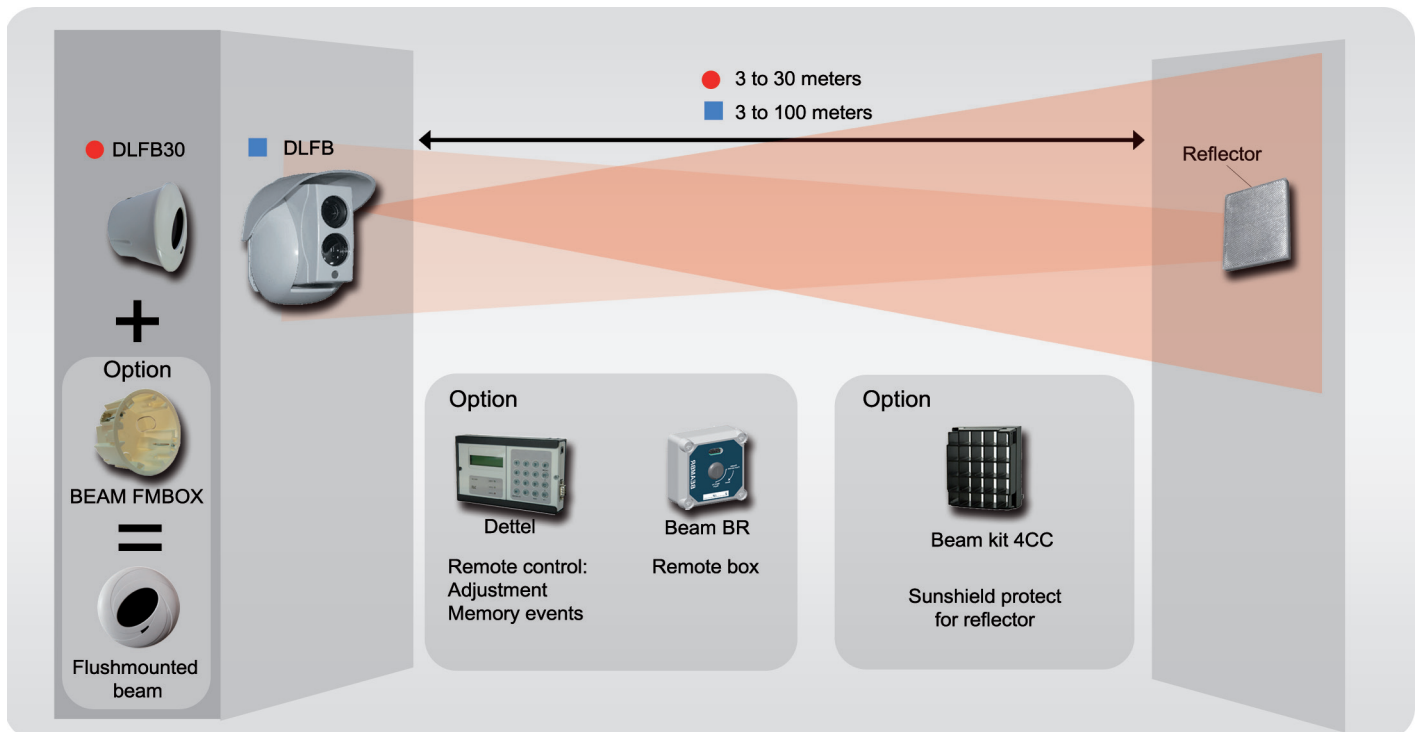
● BEAM-KIT4CC

SUNSHIELD PROTECT FOR REFLECTOR, supplied for 4 reflectors 10x10 reflectors, permits to protect against sun rays

● BEAM-FMBOX

FLUSHMOUNTING box for DLFB30

● 3 to 30 meters
■ 3 to 100 meters

● DLFB30   ■ DLFB

Reflector

+

Option

BEAM FMBOX

=

Flushmounted beam

Option

Dettel

Beam BR

Remote control:
Adjustment
Memory events

Remote box

Option

Beam kit 4CC

Sunshield protect
for reflector

OA05-W

WIRELESS OPTICAL SMOKE DETECTOR, 1 remote led output, **EN54-7, EN54-25, CE according to CPD**

DMA05-W

WIRELESS MANUAL CALL POINT, 1 remote led output, **EN54-11, EN54-25, CE according to CPD**

IND05-W

WIRELESS REMOTE INDICATOR, angle of vision = 180°, **EN54-18 , EN54-25, CE according to CPD**

OI05

MONITORING MODULE can be connected on HEPHAIS 1600 or HEPHAIS 1600NE,1 remote led output, monitoring device of wireless equipments **EN54-17, EN54-18, EN54-25, CE according to CPD**

TELEWIRELESS

SOFTWARE PROGRAMMING TOOL for WIRELESS SOLUTIONS

WIRELESS SYSTEM

HEPHAIS 1600 NE or HEPHAIS 1600
or HEPHAIS 1600 COMFORT

Max.
29 devices
per OI05-W

OA05-W

Addressable
Wireless Area

DMA05-W

IND05-W

OI05
Monitoring module
Max 10/loops
16 per systems

Bidirectionnal
Communication

Addressable
Wireless Area

**ADDRESSABLE
DETECTION LOOP**
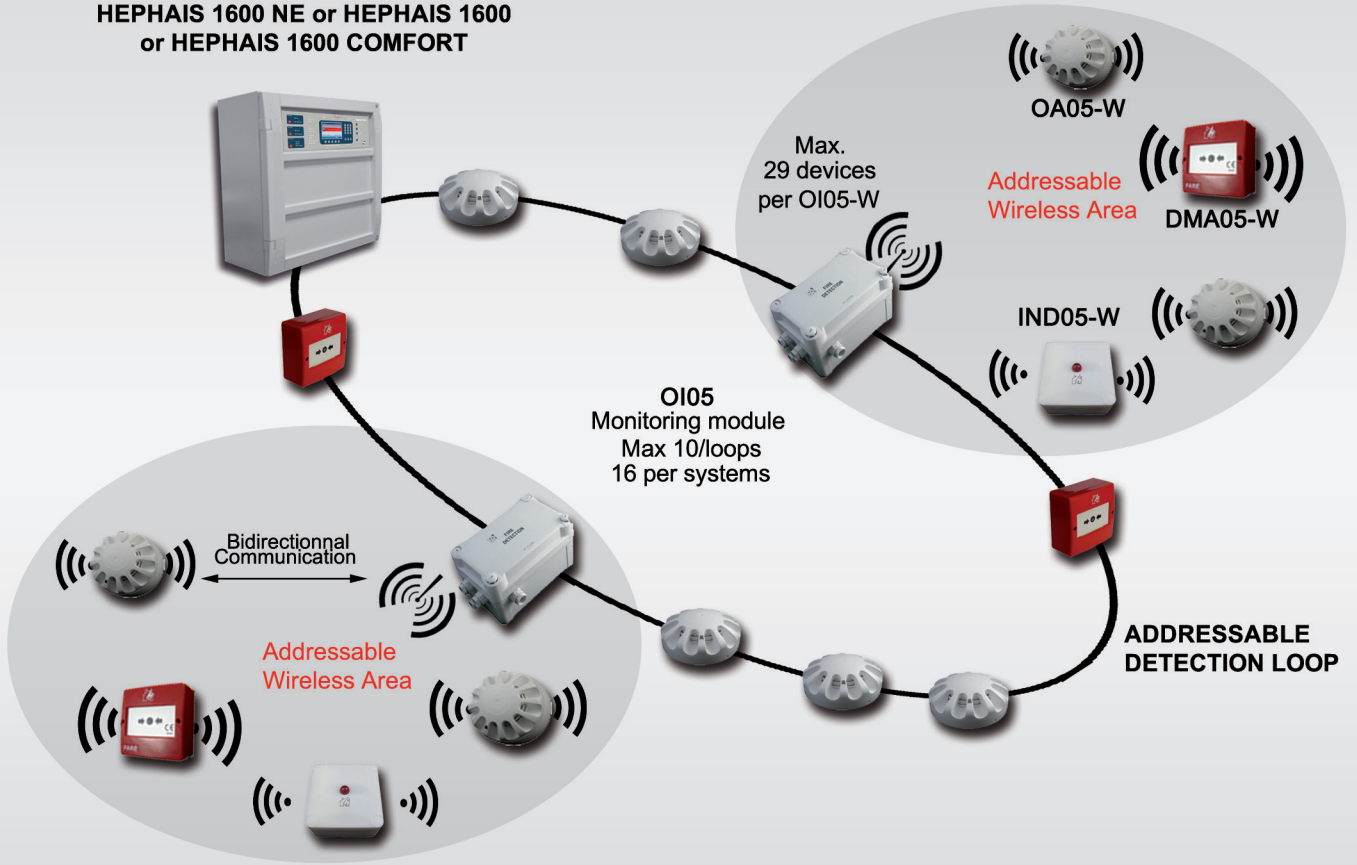
WITH HIGH SENSITIVITY DETECTORS

● DFA05-1C-B

CONVENTIONAL SINGLE CHANNEL HIGH SENSITIVITY BASE DETECTOR for one sampling tube with smoke level indicator, to be completed with one detector module SSD, **EN54-20 CE according to CPD**

● DFA05-2C-B

CONVENTIONAL DUAL CHANNEL HIGH SENSITIVITY BASE DETECTOR , for one or two sampling tubes with smoke level indicator, to be completed with one or two detectors modules SSD, **EN54-20 CE according to CPD**

● DFA05-1C

CONVENTIONAL SINGLE CHANNEL HIGH SENSITIVITY BASE DETECTOR, for one sampling tube, to be completed with one detector module SSD, **EN54-20 CE according to CPD**

● DFA05-2C

CONVENTIONAL DUAL CHANNEL HIGH SENSIVITY BASE DETECTOR, for one or two sampling tubes, to be completed with one or two detectors modules SSD, **EN54-20 CE according to CPD**

Detector modules

● SSD 535-2

HIGH SENSITIVITY SMOKE DETECTOR MODULE with alarm sensitivity range from 0,01%/m to 10%/m to be plugged in DFA05

● SSD 535-3

HIGH SENSITIVITY SMOKE DETECTOR MODULE with alarm sensitivity range from 0,002%/m to 10%/m to be plugged in DFA05

Interface modules

● RIM35

RELAY INTERFACE MODULE with 5 programmable relays, NO-NC 30V/1A to be plugged in DFA05

● MCM35

SD-1GO MEMORY CARD MODULE to be plugged in DFA05 permits to record operating data and store memory events

● SMM535

Box for network. Interface between network and computer

● SIM 35

Plug in board for network . Permits to have RS485 with addressable network between DFA05, up to 250 devices
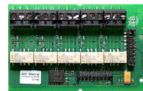
PROGRAMMING SOFTWARE FOR DFA05

● SAMPLING PIPE CONFIG

SYSTEM DESIGN SOFTWARE permits to define the network pipe

● DFA05 CONFIG

PROGRAMMING SOFTWARE permits to download/upload data configuration through USB cable (not supplied)

FILTERS

● FBS 25PC

Filter Box Small Ø 25 mm, PC

● Filter mat-S

Filter Mat Small for FBS 25 PC

● FBL 25PC

Filter Box Large Ø 25 mm, PC

● Filter mat-L

Filter Mat Large for FBL 25 PC

● DTP 25 PC

Dust box, PC, adapted to all material Ø 22 - 25 mm pipe

● DRB 25 PVC

Dust retaining box (cyclone), Ø 25 mm PVC

● WRB 25 PVC

Water retaining box, Ø 25 mm, PC/PVC. Linking by gland on sampling pipe side and by glue on aspirating smoke side.

● WRB 25 ABS

Water retaining box Ø 25 mm, PC/ABS.Linking by gland on sampling pipe side and by glue on aspirating smoke side.

● MV 25 ABS

Manual ball valve Ø 25 mm, ABS, for maintenance use

ASPIRATING PIPES

TU25RF

FIREPROOF AIR SAMPLING PIPE 25mm (3m length), red colour (Qmin =30)

EN25RF

FIREPROOF STRAIGHT SOCKET 25mm, red colour, (Qmin =20)

TE25RF

FIREPROOF EQUAL TEE PIECE for 25mm tube, red colour, (Qmin =10)

T 25/8

FIREPROOF EQUAL TEE PIECE for 8mm capillary tube or sample point, red colour, (Qmin =10)

TT25RF

FIREPROOF END CAP, for 25mm tube, red colour, (Qmin =10)

C90RF

FIREPROOF 90° ELBOW, for 25mm tube, red colour, (Qmin =5)

CF70

FLEXIBLE ELBOW for 25mm tube, (Qmin =4)

C45RF

FIRE PROOF 45° ELBOW, for 25mm tube, red colour, (Qmin =5)

TF.10

Flexible tube 1m length

TC.8

CAPILLARY TUBE (10mm OD; 8mm ID) (100m roll)

ABR

FIREPROOF PIPE CLIP for 25mm tube, red colour, (Qmin =50)

UTRF

FIREPROOF UNION TUBE for 25mm tube, red colour, (Qmin =10)

PMTU

SAMPLE POINT 8mm, (Qmin =10)

PMC

CONIC SAMPLE POINT, (Qmin =10)

PMPT

PLATE SAMPLE POINT with nut, (Qmin =10)

PMP

PLATE SAMPLE POINT with screws, (Qmin =10)

PMC/8

SAMPLE POINT for capillary tube, (Qmin =10)

PCM/10

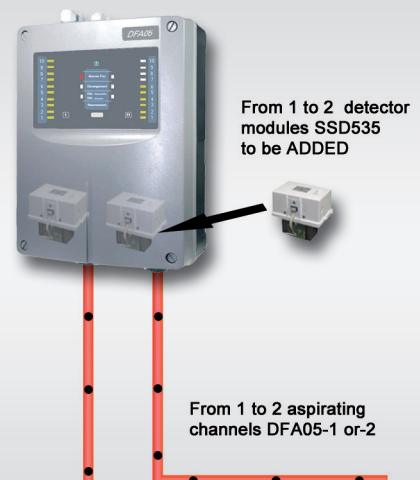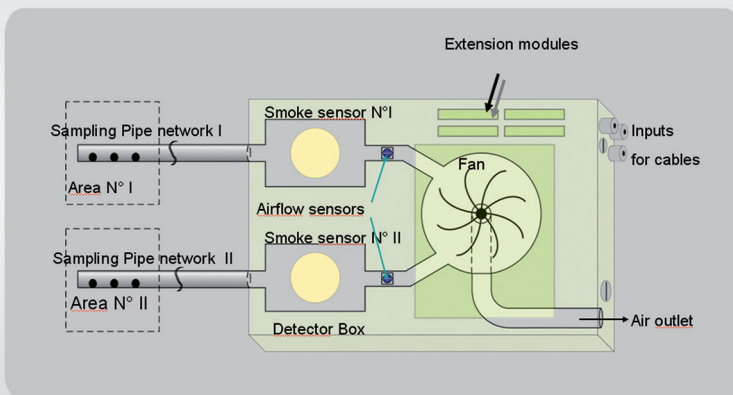RAISE FOR CLIP , raises for 17mm, (Qmin =10)

PRPM

EXTENSION LEAD for sample point, (Qmin =10)

TL

WATERPROOF ENDCAP, (Qmin =10)

DFA05 OR DFA05 B
"B" : WITH SMOKE LEVEL INDICATOR INTEGRATED

Extension modules

Sampling Pipe network I

Area N° I

Smoke sensor N°I

Airflow sensors

Smoke sensor N° II

Sampling Pipe network II

Area N° II

Detector Box

Fan

Inputs for cables

Air outlet

From 1 to 2 detector modules SSD535 to be ADDED

From 1 to 2 aspirating channels DFA05-1 or-2

CONVENTIONAL GAS DETECTORS

GD100C

CONVENTIONAL METHANE CATALYTIC GAS DETECTOR, CH4, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output if needed**

GD101C

CONVENTIONAL BUTANE CATALYTIC GAS DETECTOR, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output**

GD102C

CONVENTIONAL PETROL STEAM CATALYTIC GAS DETECTOR, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output**

GD104C

CONVENTIONAL HYDROGENE CATALYTIC GAS DETECTOR, H2, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output**

GD105C

CONVENTIONAL CATALYTIC LIQUID PETROLEUR GAS DETECTOR, LPG, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output**

GD106C

CONVENTIONAL PROPANE CATALYTIC GAS DETECTOR, C3H8, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply, **with possibility to use 4/20mA output**

GD109C

CONVENTIONAL ACETILENE GAS DETECTOR, C2H2, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply

GD113C

CONVENTIONAL CARBON MONOXIDE GAS DETECTOR, CO, IP55, ELECTROCHEMICAL CELL, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply

ADDRESSABLE GAS DETECTORS

GD100A

ADDRESSABLE METHANE CATALYTIC GAS DETECTOR, CH4, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD101A

ADDRESSABLE BUTANE CATALYTIC GAS DETECTOR, CH4, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD102A

ADDRESSABLE PETROL STEAM CATALYTIC GAS DETECTOR, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD104A

ADDRESSABLE HYDROGENE CATALYTIC GAS DETECTOR, H2, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD105A

ADDRESSABLE CATALYTIC LIQUID PETROLEUR GAS DETECTOR, LPG, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD106A

ADDRESSABLE PROPANE CATALYTIC GAS DETECTOR, C3H8, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD109A

ADDRESSABLE ACETILENE GAS DETECTOR, C2H2, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

GD113A

ADDRESSABLE CARBON MONOXIDE GAS DETECTOR, CO, IP55, ELECTROCHEMICAL CELL, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

Accessories

● MEGAS

METHANE GAS TEST BOTTLE , 40% L.I.E, 12 liters

● COGAS

CARBON MONOXIDE GAS TEST BOTTLE, 250ppm, 12 liters

● VPGAS

PETROL STEAM GAS TEST BOTTLE, 40% L.I.E, 12 liters

● LPGGAS

LPG GAS TEST BOTTLE, 40% L.I.E, 12 liters

● HYGAS

HYDROGEN GAS TEST BOTTLE, 48% L.I.E, 12 liters

● GDREL

PLUG-IN 3 RELAY CARD, NO-NC 30V/1A, to be plugged inside the detector GDxxxC, permits to repeat ALARM, PREALARM, FAULT of the detector

● DETTEL

REMOTE CONTROL WITH DISPLAY AND KEYPAD for GAS DETECTORS, permits to read and set the level and data of detectors (sensitivity, thresholds…)

● P7150V

TEST KIT GAS DETECTORS (valve + adapter)

GD-range
Gas detector
Conventional version

+

*GDREL

Available 3 relays:
- Pre Alarm
- Alarm
- Fault

DETTEL

For Settings configuration
- Thresholds
- Filter delays

* Note that some detectors are equipped with 4/20mA output

Flammable gas

● **SD2243ME**

Exd METHANE GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

● **SD2243VB**

Exd PETROL STEAM GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

● **SD2243BU**

Exd BUTANE GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

● **SD2243PR**

Exd PROPANE GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

● **SD2243GP**

Exd LPG GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

● **SD2243H2**

Exd HYDROGEN GAS DETECTOR, 0-100% LEL, Ex 2GD Ex d IIC T6 Ex tD A21 IP65, T 85°C

● **SD2244AM**

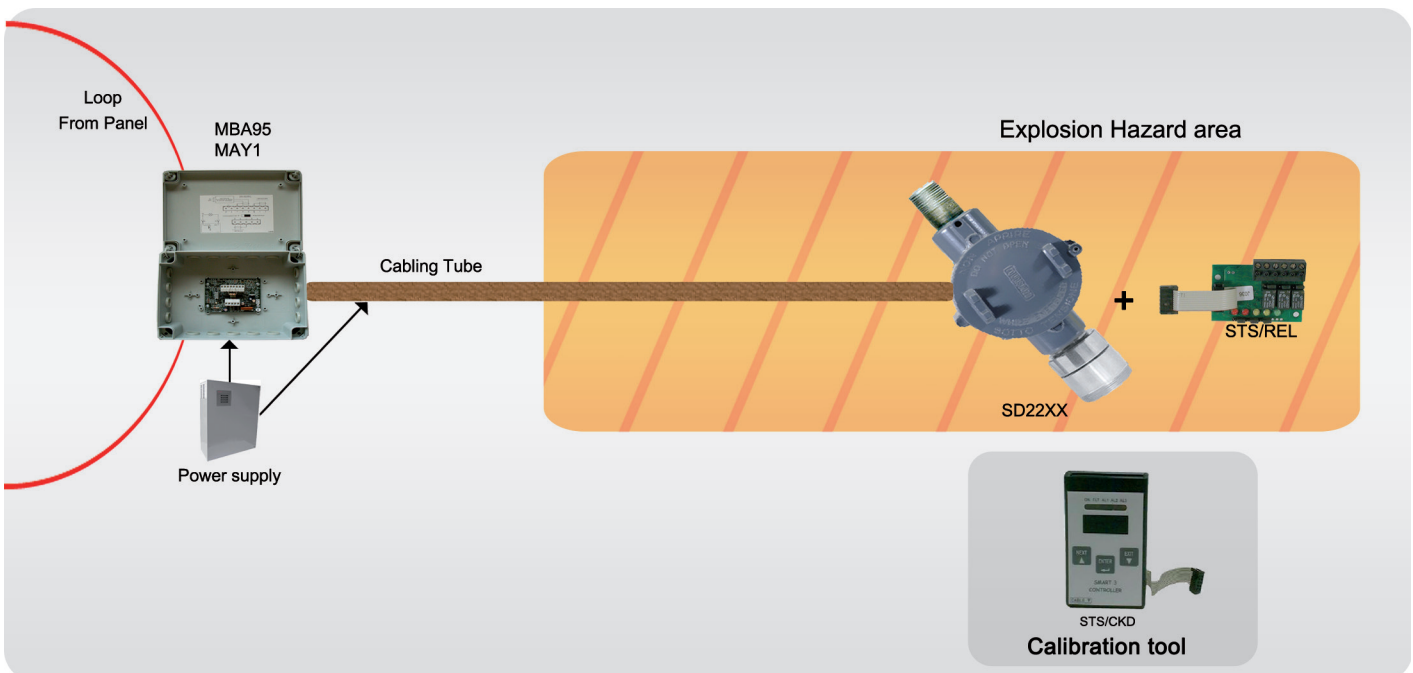Exd AMMONIAC GAS DETECTOR, 0-100% LEL, ☐x 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

Toxic gas

● **SD2245O2**

Exd OXYGEN GAS DETECTOR, 0-25% vol, Ex 2GD Ex d IIC T6 IP65

● **SD2246AM**

Exd AMMONIAC GAS DETECTOR, 0-200 ppm, Ex 2GD Ex d IIC T6 IP65

● **SD2247AM**

Exd AMMONIAC GAS DETECTOR, 0-1000 ppm, Ex 2GD Ex d IIC T6 IP65

Accessories

● **STS/CKD** Calibration keypad to adjust the detector zero and span values

● **ZMCAP** Calibration adapter

● **STS3REL** PLUG-IN 3 RELAY CARD, NO-NC 30V/1A , to be plugged inside the detector, permits to repeat ALARM, PREALARM, FAULT of the detector

Loop From Panel

MBA95 MAY1

Explosion Hazard area

Cabling Tube

STS/REL

SD22XX

Power supply

STS/CKD

Calibration tool

IND05

REMOTE ALARM INDICATOR
angle of vision = 180°

IND05E

WATERPROOF REMOTE ALARM
INDICATOR angle
of vision = 180°

IAA

REMOTE ALARM
INDICATOR for more
than one detector

AVS 2000/R

HIGH POWERED PIEZOELECTRIC SOUNDER for INDOOR use (red colour), possibility to select 6 tones,
95db@1m, lateral hearings, **EN54-3 according to CPD.** Exists also in white colour (AVS2000/W).

AVSU EFP

HIGH POWERED PIEZOELECTRIC SOUNDER for OUTDOOR, 114db@1m, IP65, **EN54-3 according to CPD**

AVS2000FLASH

COMBINED SOUNDER AND FLASH for INDOOR use, 95db@1m, **EN54-3 according to CPD**

AVSFLASH

XENON BEACON high luminosity with 360° angle, from 12Vdc to 48Vdc

DFD 2000

Led flash (white or red flash), 16-58Vdc, **EN54-23 according to CPD**

4485

COMBINED SOUNDER AND FLASH for OUTDOOR use (red colour), IP65, 101db@1m, **EN54-3 according to CPD**

531024-1019

XENON OUTDOOR BEACON high luminosity with 360° angle, from 9Vdc to 60Vcc, IP65

POA543-C

CONVENTIONAL OPTICAL ACOUSTIC ALARM PANEL
WITH BUZZER lighting with high luminosity LED,
low current consumption, 12V/24Vds, buzzer
94db@1m, IP55 **CE CPD EN54-3**

P7236

SELF-POWERED OPTICAL ACOUSTIC ALARM PANEL
WITH BUZZER lighting with high luminosity LED,
12V/24Vdc, IP55

POA543-I

ADRESSABLE OPTICAL ACOUSTIC ALARM PANEL
WITH BUZZER lighting with high luminosity LED,
low current consumption, 12V/24Vds, buzzer
94db@1m, IP55 **CE CPD EN54-3**

P7264

OPTICAL ACOUSTIC ALARM PANEL **WITH SOUNDER,**
lighting with high luminosity LED IP55

P7540

IP65 kit dedicated to POA543 panels

P7266

SELF-POWERED OPTICAL ACOUSTIC ALARM PANEL
WITH SOUNDER, lighting with high luminosity
LED IP55

P7265

OPTICAL ACOUSTIC ALARM PANEL WITH SOUNDER, lighting with high luminosity LED, 12V/24Vdc, IP43
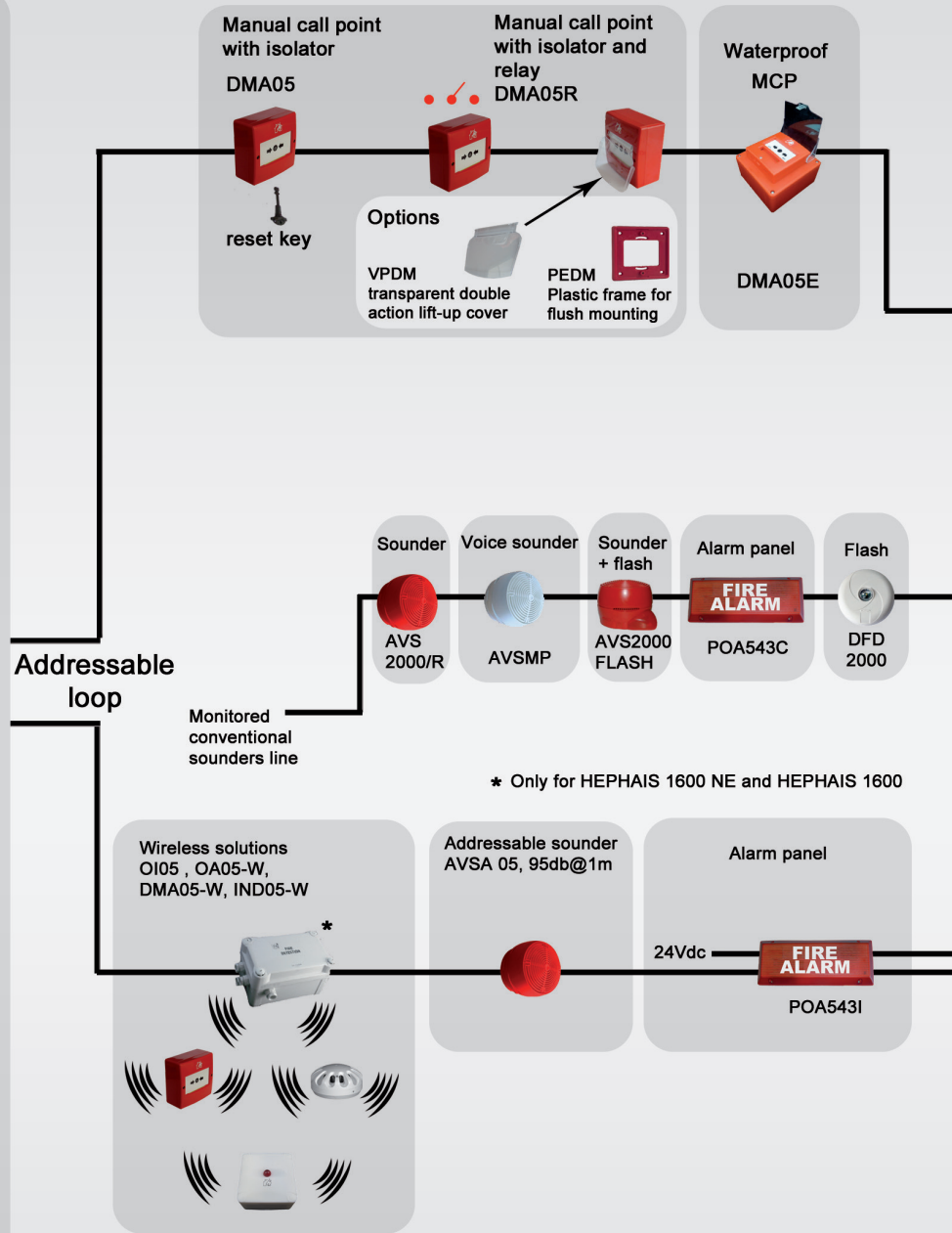
4476-24

RED INTERNAL BELL, diameter 150mm, 93 db,
24Vdc

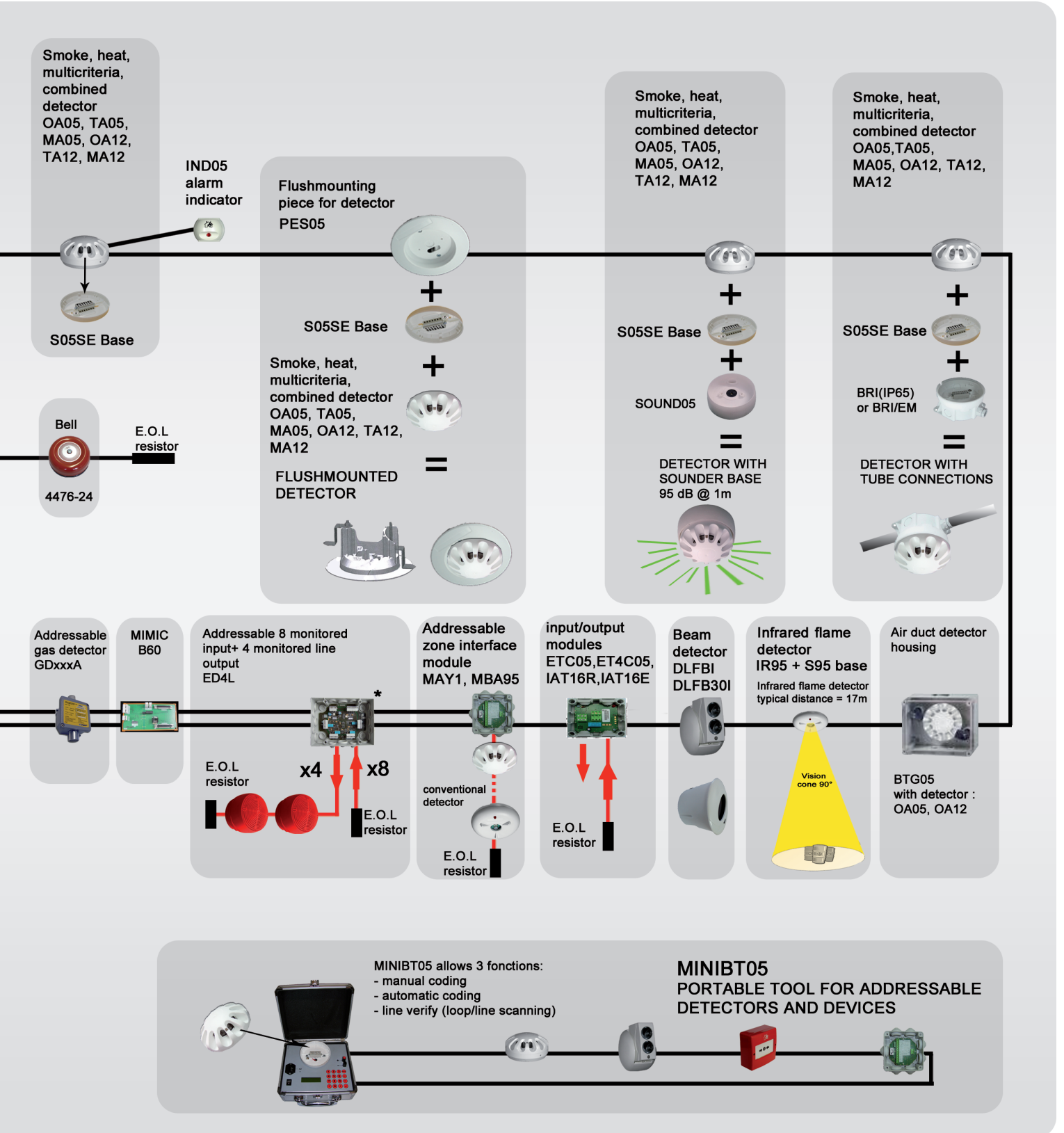### 4479-24

RED EXTERNAL BELL, 6 inches diameter, 93 db,
24Vdc

HEPHAIS RANGE

Manual call point with isolator

DMA05

reset key

Manual call point with isolator and relay

DMA05R

Options

VPDM transparent double action lift-up cover

PEDM Plastic frame for flush mounting

Waterproof MCP

DMA05E

Addressable loop

Sounder	Voice sounder	Sounder + flash	Alarm panel	Flash
AVS 2000/R	AVSMP	AVS2000 FLASH	FIRE ALARM POA543C	DFD 2000

Monitored conventional sounders line

★ Only for HEPHAIS 1600 NE and HEPHAIS 1600

Wireless solutions
OI05 , OA05-W, DMA05-W, IND05-W

★

Addressable sounder
AVSA 05, 95db@1m

Alarm panel

24Vdc   FIRE ALARM

POA543I

Smoke, heat, multicriteria, combined detector OA05, TA05, MA05, OA12, TA12, MA12

IND05 alarm indicator

S05SE Base

Bell

E.O.L resistor

4476-24

Flushmounting piece for detector PES05

S05SE Base

+

Smoke, heat, multicriteria, combined detector OA05, TA05, MA05, OA12, TA12, MA12

=

FLUSHMOUNTED DETECTOR

Smoke, heat, multicriteria, combined detector OA05, TA05, MA05, OA12, TA12, MA12

S05SE Base

+

SOUND05

=

DETECTOR WITH SOUNDER BASE 95 dB @ 1m

Smoke, heat, multicriteria, combined detector OA05, TA05, MA05, OA12, TA12, MA12

S05SE Base

+

BRI(IP65) or BRI/EM

=

DETECTOR WITH TUBE CONNECTIONS

Addressable gas detector GDxxxA

MIMIC B60

Addressable 8 monitored input+ 4 monitored line output ED4L

E.O.L resistor

x4 x8

E.O.L resistor

Addressable zone interface module MAY1, MBA95

conventional detector

E.O.L resistor

input/output modules ETC05,ET4C05, IAT16R,IAT16E

E.O.L resistor

Beam detector DLFBI DLFB30I

Infrared flame detector IR95 + S95 base

Infrared flame detector typical distance = 17m

Vision cone 90°

Air duct detector housing

BTG05 with detector : OA05, OA12

MINIBT05 allows 3 fonctions:
- manual coding
- automatic coding
- line verify (loop/line scanning)

MINIBT05
PORTABLE TOOL FOR ADDRESSABLE DETECTORS AND DEVICES

MONITORING SOFTWARE

3D MONITORING SOFTWARE

For 1 PANEL HEPHAIS 1600 or HEPHAIS 1600 NE and max 400 addresses

● **SD3 MAPSVIEW NE (400 addresses)**

3 dimension BASE REMOTE MAP MONITORING SOFTWARE **FOR 400 addresses max**, compatible with HEPHAIS 1600 panels range. NOT EXPANDABLE. Fully high level including auto download sincronisation with the HEPHAIS 1600 panel.

For 1 PANEL HEPHAIS 1600, HEPHAIS 1600 NE or more and illimited addresses

● **SD3 MAPSVIEW**

3 dimension BASE REMOTE MAP MONITORING SOFTWARE FOR 1 complete PANEL compatible with HEPHAIS 1600 panels range. Fully high level sofware (SMS, mails, CSV memory event, webaccess, statistics, autocad file import) including auto download sincronisation with the HEPHAIS 1600 panel. TCPIP management included.

● **SD3 MAPSVIEW PLUS**

ADDITIONAL LICENSE for 1 panel management, compatible with addressable HEPHAIS 1600 panels and dedicated for SD3MAPSVIEW only

2D MONITORING SOFTWARE

● **MAPSKITALPHA-HEPHAIS**

BASE REMOTE MAP MONITORING SOFTWARE for 8 panels (to be completed with MAPSPLUS), compatible with addressable ALPHA 500/1000 or HEPHAIS 1600 panels
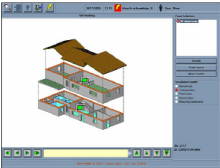
● **MAPSPLUSALPHA-HEPHAIS**

ADDITIONAL LICENSE for 1 panel management, compatible with addressable ALPHA 500/1000 or HEPHAIS 1600 panels

OPC Server

● **SD3OPC**

OPC server for integrating equipment and application into SD3 system

CONVERTERS

Serial converter

● **MA53**

CONVERTER MODULE RS232/RS422 with power supply

● **MB3180**

Converter Serial MODBUS/TCPIP. RS-232, RS-422, 4-wire RS-485, and 2-wire RS-485 TO TCPIP CONVERTER MODULE with power supply.

● **ACCELEPORT 4**

DB9F or DB25M. Multi port serial card, PCI, 4xRS422

Optic fiber converter

● **CONCUFI**

CONVERTER MODULE RS422/RS485/RS232 to MULTIMODE optic fiber max distance 6km, rail din enclosure, 7Vdc to 60Vdc power

● **CONCUFI SMODE**

CONVERTER MODULE RS422/RS485/RS232 to SINGLE MODE optic fiber max distance 25km, rail din enclosure, 7Vdc to 60Vdc power
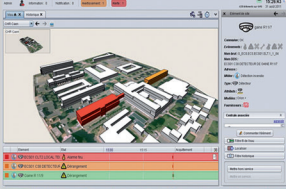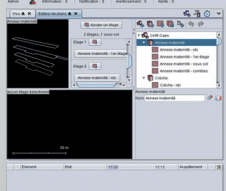
NEW 3D features

- 3D online navigation

- 3D site modelisation
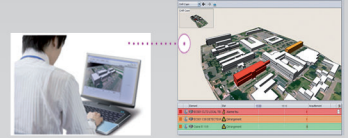
PERSONALISATION

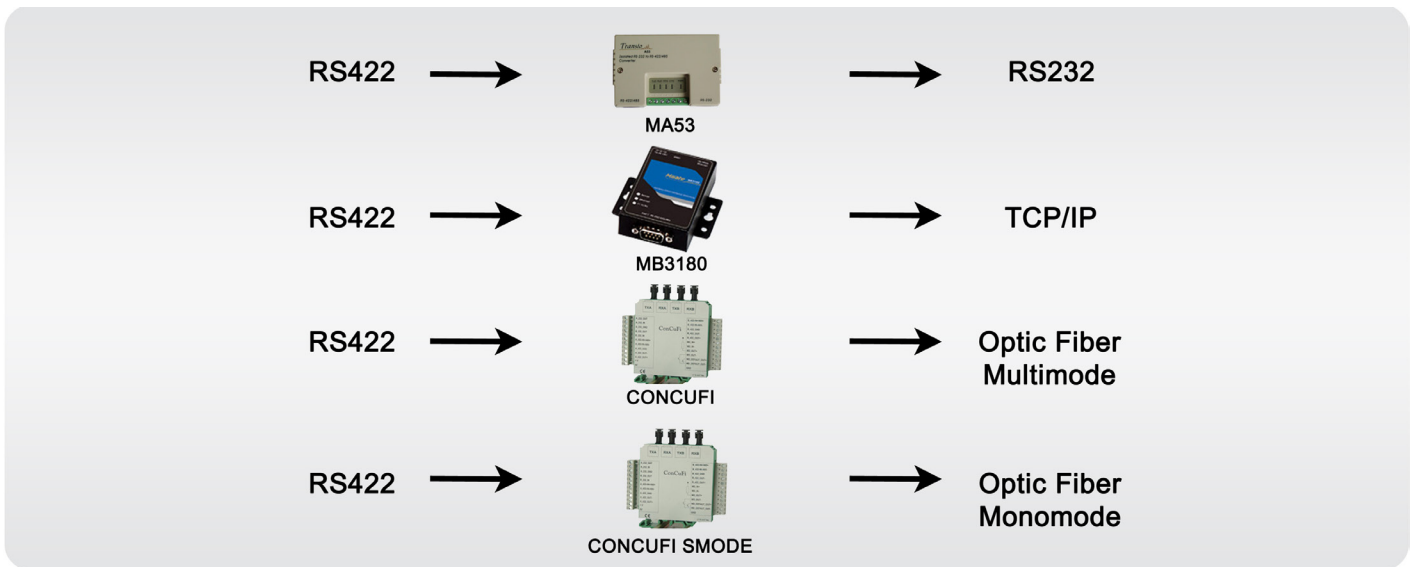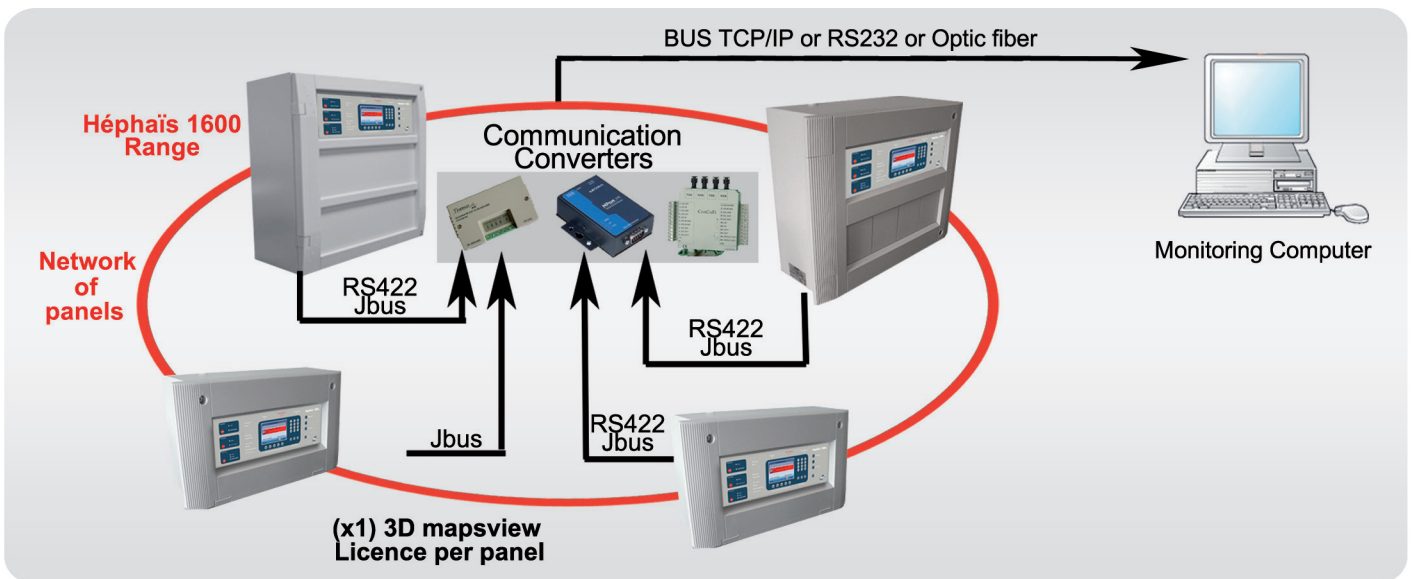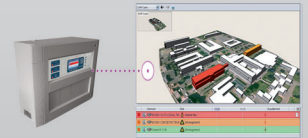- AUTOCAD files import

- Fully customizable

ONLINE MANAGEMENT

- Real-time synchronisation
- Edit your database while you supervise your site

- Real-time synchronisation with the panel database

BUS TCP/IP or RS232 or Optic fiber

Héphaïs 1600 Range

Communication Converters

Network of panels

RS422 Jbus

Jbus

RS422 Jbus

RS422 Jbus

Monitoring Computer

(x1) 3D mapsview Licence per panel

RS422 → MA53 → RS232

RS422 → MB3180 → TCP/IP

RS422 → CONCUFI → Optic Fiber Multimode

RS422 → CONCUFI SMODE → Optic Fiber Monomode

Fire alarm devices

VIREX

CONVENTIONAL INFRARED FLAME DETECTOR Ex version, **ATEX II 1G Eex ia IIC T6, EN54-10**

VOEX

CONVENTIONAL OPTICAL SMOKE DETECTOR Ex version, **ATEX II 1G Eex ia IIC T6 EN54-7**

VTEX

CONVENTIONAL RATE OF RISE + FIXED HEAT DETECTOR, Ex version, **ATEX II 1G Eex ia IIC T6, EN54-5**

SVEX

MOUNTING BASE- anti-static design Ex version

DMC05EX

DMC05EX(front MCP) +FBBG2EX-R (Back box MCP), CONVENTIONAL MANUAL CALL POINT with reset key, Ex version, certified **ATEX 94/9/ CE, CE certified, EN60079-0, EN60079-11**

AVSEx

INTRISICALLY SAFE SOUNDER-EX- 100db, to be used with SBEX BZ3

SBEX BZ1

SAFETY BARRIER dedicated for intrisically safe detectors and call points

SBEX BZ2

SAFETY BARRIER dedicated for intrisically safe detectors and call points, opto-isolated. To be supplied when teh ex detectors are not connected to SD3 panels.

SBEX BZ3

SAFETY BARRIER dedicated exclusively for intrisically safe sounders

Addressable Ex interface

MBA95Ex

ADDRESSABLE ZONE INTRISICALLY INTERFACE MODULE with backbox, for **max 10 conventional EEX points**, isolator integrated, opto-isolated on the secondary line, **EN54-17, EN54-18, EN54-13 CE according to CPD**

Conventional Ex interface

ALPHA 4/8/12

12 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 4 zones (max 12 zones) - max 32 detectors and/or MCP per line. Alarm/fault relays, 1 monitored sounders line, 4 programmable open collectors, 1 programmable input. Alarm prealarm management + Day night mode. Expandable panel with availibility of 2 rooms for one or two 4 zones expansion board (EX4A4 or EX4A4EX) or one or two Extinguishing boards (DEAG). EN54-2, EN54-4 AFNOR, BOSEC, CE CPD, EN12094-1 with extinguishing board (DEAG). Needs 2 batteries 12V/7Ah. Exists also in 110VAC version.

EX4A4ex

4 ZONES EXPANSION BOARD Ex VERSION to be used with explosion hazard area detectors, max 10 detectors per line, 1 or 2xEX4A4ex can be plugged in ALPHA 4/8/12

REP4R

4 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, connection by wires with programmable open collectors of ALPHA 4/8/12
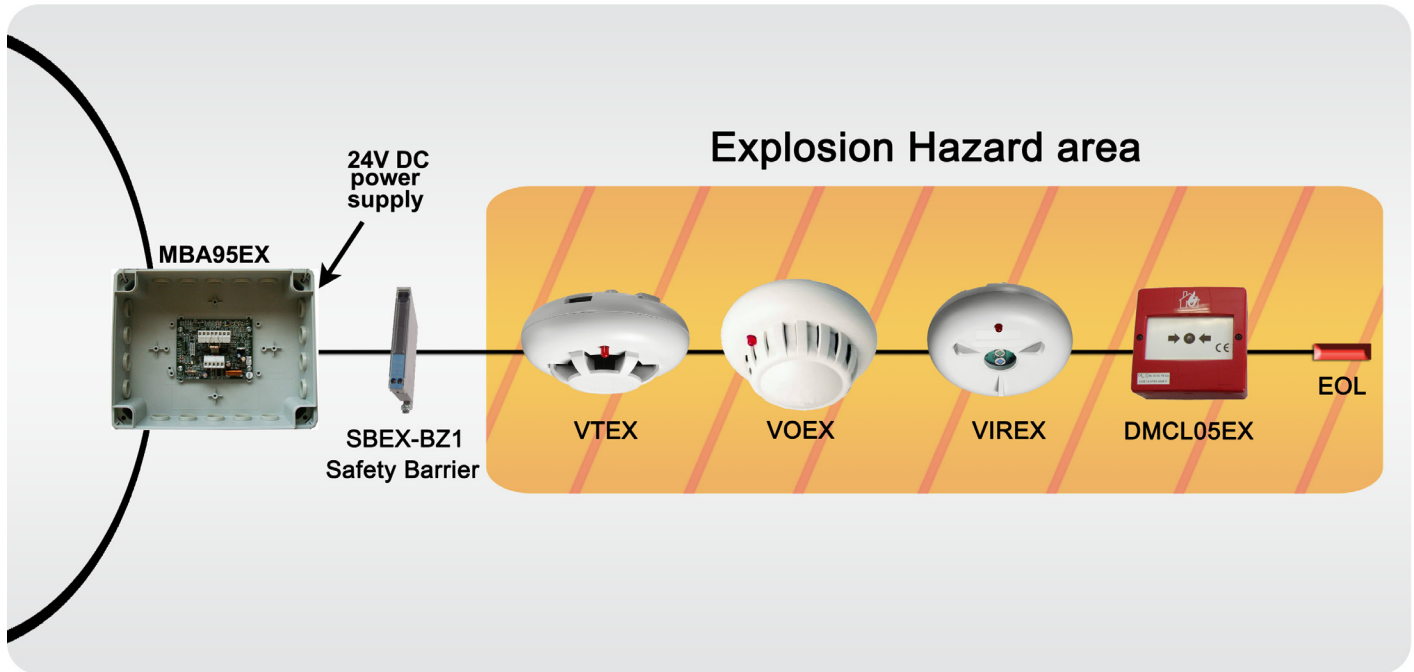
R12P2

12 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside ALPHA 4/8/12 panel, serial communication, permits to repeat states of the panel on 12 relays.
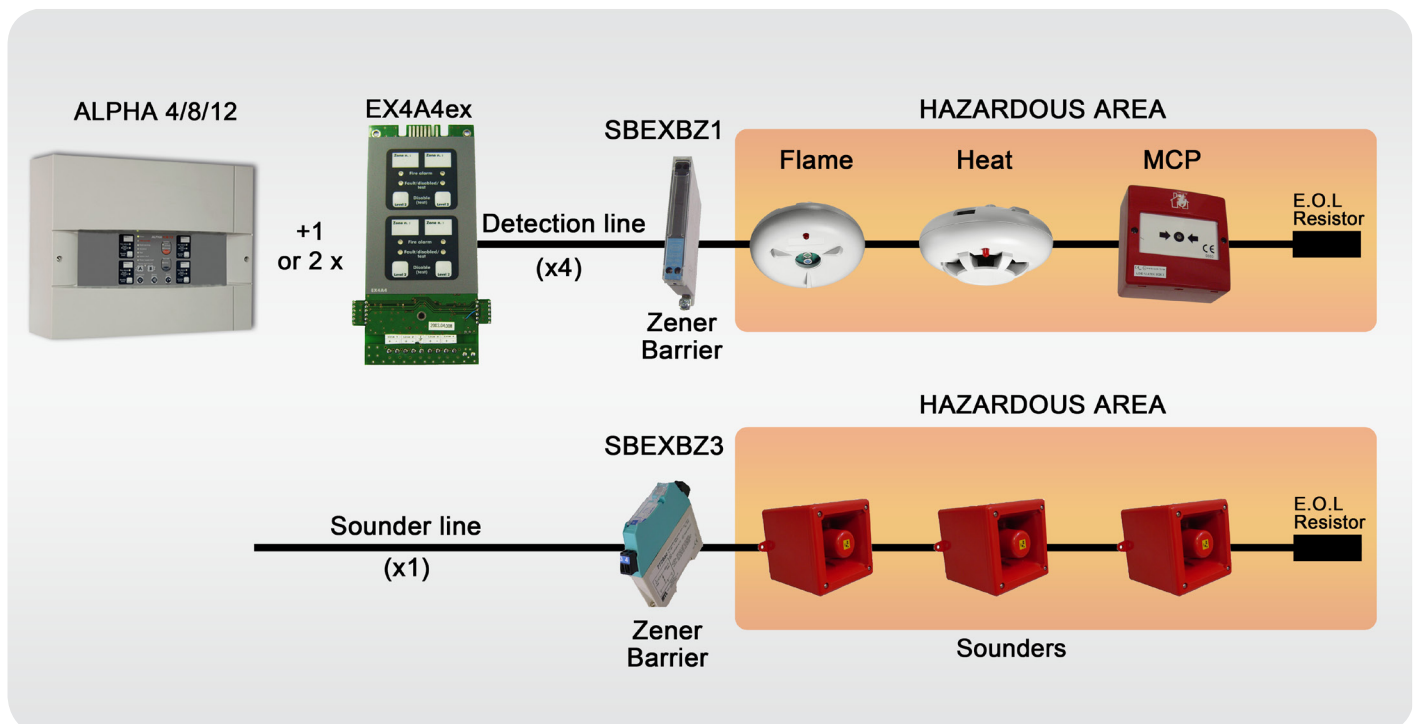
Addressable Ex interface

Explosion Hazard area

24V DC power supply

MBA95EX

SBEX-BZ1
Safety Barrier

VTEX

VOEX

VIREX

DMCL05EX

EOL

Conventional Ex interface

ALPHA 4/8/12

EX4A4ex

+1 or 2 x

SBEXBZ1

HAZARDOUS AREA

Flame

Heat

MCP

E.O.L Resistor

Detection line

(x4)

Zener Barrier

SBEXBZ3

HAZARDOUS AREA

E.O.L Resistor

Sounder line

(x1)

Zener Barrier

Sounders

EXTINGUISHING SYSTEMS

● ALPHA 4/8/12

12 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 4 zones (max 12 zones) - max 32 detectors and/or MCP per line. Alarm/fault relays, 1 monitored sounders line, 4 programmable open collectors, 1 programmable input. Alarm prealarm/management + Day night mode. Expandable panel with availibility of 2 rooms for one or two 4 zones expansion board (EX4A4) or one or two Extinguishing boards (DEAG). **EN54-2, EN54-4 AFNOR, BOSEC, CE CPD, EN12094-1** with extinguishing board (DEAG). Needs 2 batteries 12V/7Ah. Exists also in 110VAC version.

● DEAG

1 ZONE EXTINGUISHING EXPANSION BOARD, to be used for management of 1 extinguishing channel. All monitored lines : Extinguishing actuators, Evacuation panels, Release button, Abord button, Low pressure contact.
This board permits to convert ALPHA 4/8/12 panel in a detection extinguishing panel. **CE CPD, EN12094-1.**
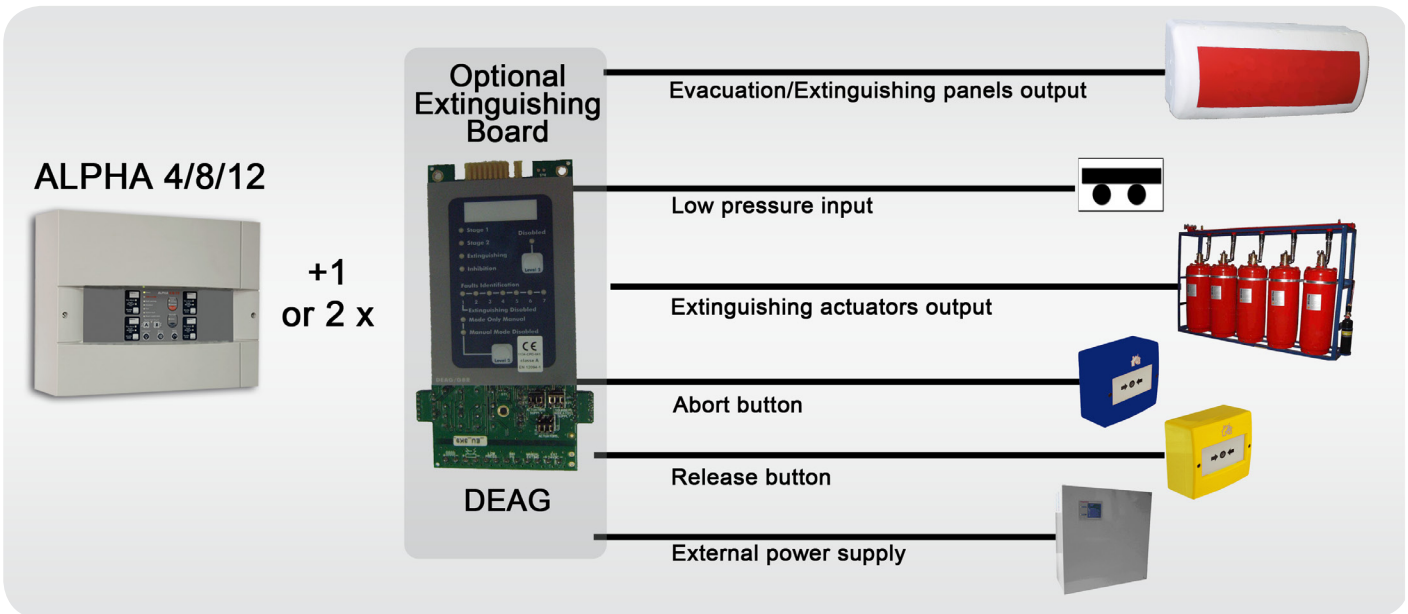
● R4P2

4 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside the panel, serial communication, permits to repeat states of the panel on 4 relays.

● R12P2

12 WAYS RELAY CARD, NO-NC 30V/1A, to be plugged inside ALPHA 4/8/12 panel, serial communication, permits to repeat states of the panel on 12 relays.

ALPHA 4/8/12

+1 or 2 x

Optional Extinguishing Board

DEAG

- Evacuation/Extinguishing panels output
- Low pressure input
- Extinguishing actuators output
- Abort button
- Release button
- External power supply

DELTCOM 12

Options

DELTCOM 12

ADDRESSABLE COMPACT CONTROL PANEL, one open line able to manage 13 Modules dedicated to VENTILATION and **SMOKE EXTRACTION**, 1 monitored sounders line + 4 programmable output relays, 4 programmable inputs. Needs 2 internal batteries 12V/17Ah. EN12101-9

DCR8

8 RELAY CARD, NO-NC 50V/0,3A, to be plugged inside the panel, permits to repeat states of the panel on 8 relays.

BCM

MCP dedicated for exhausting, EIDM can be fitted inside.

ED3BH-BE

REMOTE MODULE to be fitted in the technical duct on site for management of extractor electromagnet
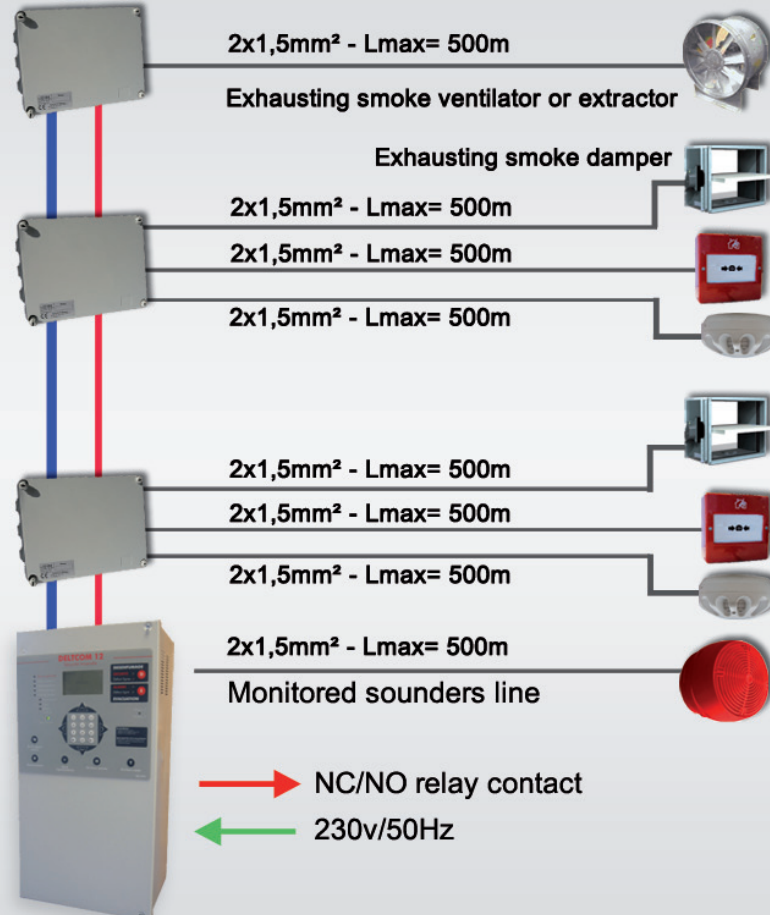
KIT6EIDM

6 adaptor for mixing MCP and sounders on same line. To be fitted inside the MCP.

KIT10ETLT

10 EOL elements for monitoring magnet.

Loop module

2x1,5mm² - Lmax= 500m
Exhausting smoke ventilator or extractor

Exhausting smoke damper
2x1,5mm² - Lmax= 500m
2x1,5mm² - Lmax= 500m
2x1,5mm² - Lmax= 500m

2x1,5mm² - Lmax= 500m
2x1,5mm² - Lmax= 500m
2x1,5mm² - Lmax= 500m

2x1,5mm² - Lmax= 500m
Monitored sounders line

DELTCOM 12

→ NC/NO relay contact
← 230v/50Hz

PRESTIGE DA, DY, TG, TA, TD

INFORMATION AND DIRECTION LIGHTING, LED technology, Aluminium frame, non flammable, acrylic pictogram, IP20, sustained mode, singleor double sided, 3 hours NI-CD battery, operating voltage 230VAC/50Hz. Wall mounted 1 side (DA 1), Wall bracket mounted 1 or 2 side (DY 1 or 2), Ceiling recessed mounted 1 or 2 side (TG1 or 2), Pendant mounted 1 or 2 side (TA 1 or 2), Ceiling bracket mounted 1 or 2 side (TD 1 or 2). Pictogram number to be chosen.

LED FENER FP20930

EMERGENCY LIGHT 3 hours, 2 high power spot led 2x9W, plastic ABS V0 non flammable frame, mains and charge indicator, 12V 7Ah battery, IP65, EN60598-2-22

MARINA MEXCMR

EMERGENCY LIGHT, Maintained or Non Maintained mode, single sided, 3 hours, IP65, operating voltage 230Vac/50Hz, Led or Fluorescent Options, ABS V0 polycarbonate white frame, transparent acrylic cover.

VTR0241210

ELECTROMAGNETIC DOOR release unit in metal case, 50daN, 24V

V7RSSOL

Floor support for magnet VTR0241210 (option)

1360

ELECTROMAGNETIC DOOR release unit in metal case, 100daN, 24V

1388A

ELECTROMAGNETIC DOOR release unit in metal case, 300kg/250daN, 24V

1450

FLOODING AND MOISTURE DETECTOR with free voltage contact relay, 12/24Vdc

2450

IP 67 LIQUID DETECTOR with free voltage contact relay, 12/24Vdc

DA4

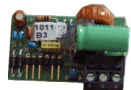PHONE DIALER with 4 inputs and 4 voice messages

ESIM021

GSM dialer 9-15Vdc, GSM network, sms or call, not programmable 2 inputs.

ESIM251

GSM dialer 9-15Vdc, GSM network, sms or call, programmable 5 inputs, 10 voices messages.

RT/B

Converter Module 24Vdc to 12 Vdc.

USB/232

CONVERTER MODULE USB/232

HEPHEA 242

POWER SUPPLY IN BOX 24V-2A, including output relays for mains fault and battery fault, metallic box 405x385x160mm, **EN54-4 (A2), CE according to CPD**

HEPHEA 244

POWER SUPPLY IN BOX 24V-4A, including output relays for mains fault and battery fault, metallic box 405x385x160mm, **EN54-4 (A2), CE according to CPD**

HEPHEA 248B

POWER SUPPLY IN BOX 24V-10A, including output relays for mains fault and battery fault, metallic box 405x385x160mm, **EN54-4 (A2), CE according to CPD,** up to 2x12Vdc batteries 24Ah. Exists also with dimension 505x425x205mm up to 2x12Vdc batteries 42Ah (HEPHEA 248B/3)

HEPHEA 2412

POWER SUPPLY IN BOX 24V-12A, including output relays for mains fault and battery fault, metallic box 405x385x160mm, **EN54-4 (A2), CE according to CPD**

RACK VERSION

HEPHEA 242/R

POWER SUPPLY IN RACK 24V-2A, including output relays for mains fault and battery fault, rack version 19 inches, 3U, **EN54-4 (A2) CE according to CPD**

HEPHEA 244/R

POWER SUPPLY IN RACK 24V-4A, including output relays for mains fault and battery fault, rack version 19 inches, 3U, **EN54-4 (A2) CE according to CPD**

HEPHEA 248B/R

POWER SUPPLY IN RACK 24V-10A, including output relays for mains fault and battery fault, rack version 19'' 3U, **EN54-4 (A2) CE according to CPD**

VOICE EVACUATION SYSTEMS

● **SEV4**

VOICE EVACUATION CENTRAL PANEL, manages 2 speakers monitored lines with max 12 speakers per line, connected to monitored sounder line or relay contact, needs 230Vac main supply . Metallic box. **Certified EN54-16 CE CPD**.

SPEAKERS

● **VES2**

Flush mounted ceiling speaker, 1,5W, max 100m^2, **EN54-24**

● **SAFE2**

Wall speaker, 1,5W, max 200m^2, **EN54-24**

● **RB**

Sound projector speaker, 2,5W, outside under ceiling, **EN54-24**

● **LBC**

Sound projector speaker, 6W, outside IP65, **EN54-24**

Amplifier and Microphone

● **GM1066**

Microphone console supplied with Din cable and RJ45 cable

● **PR1106**

Preamplifier, 6 outputs, with 4 universal inputs Micro/Aux

VOICE SOUNDERS

● **AVSMP**

HIGHT POWERED VOICE SOUNDER 100db@1m, (8s message), white colour, can be directly connected on sounder lines, **EN54-3**

● **SYNC_AVSMP**

BOARD for syncronization

ELECTRIC LOCK FOR EMERGENCY EXIT DOORS

● **DS3000**

ELECTRIC LOCK FOR EMERGENCY exit doors with one leaf

● **9055469**

Holds in PVC of 25mm for DS3000

● **CLEVA2-CLE**

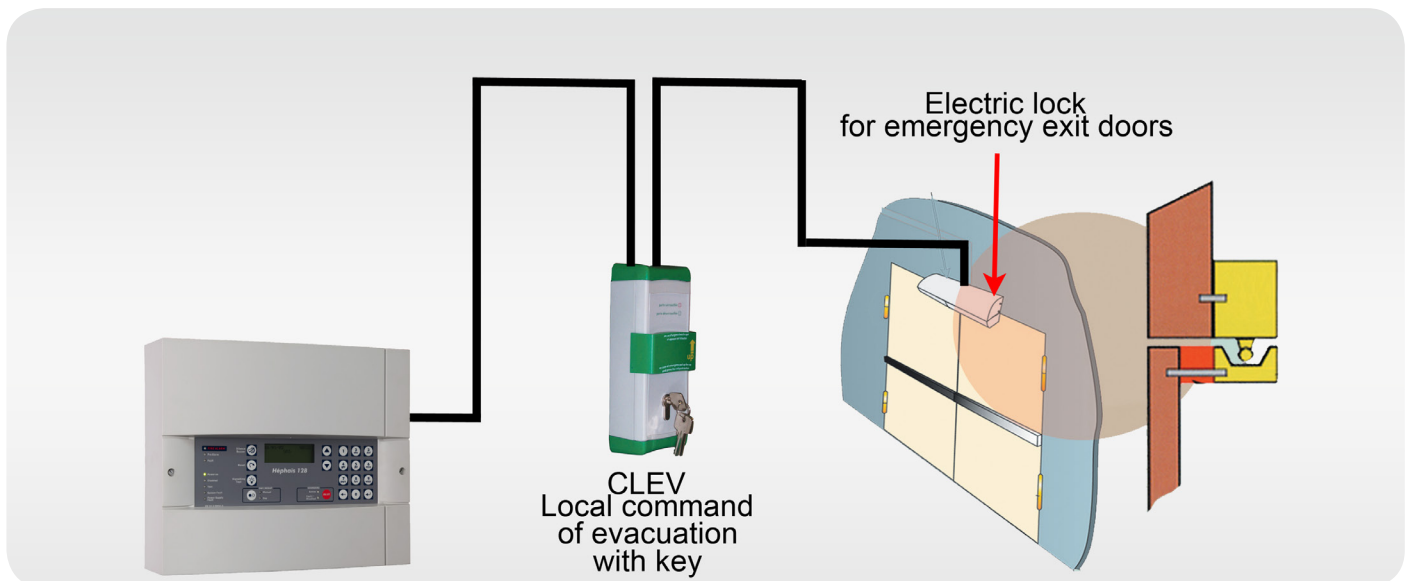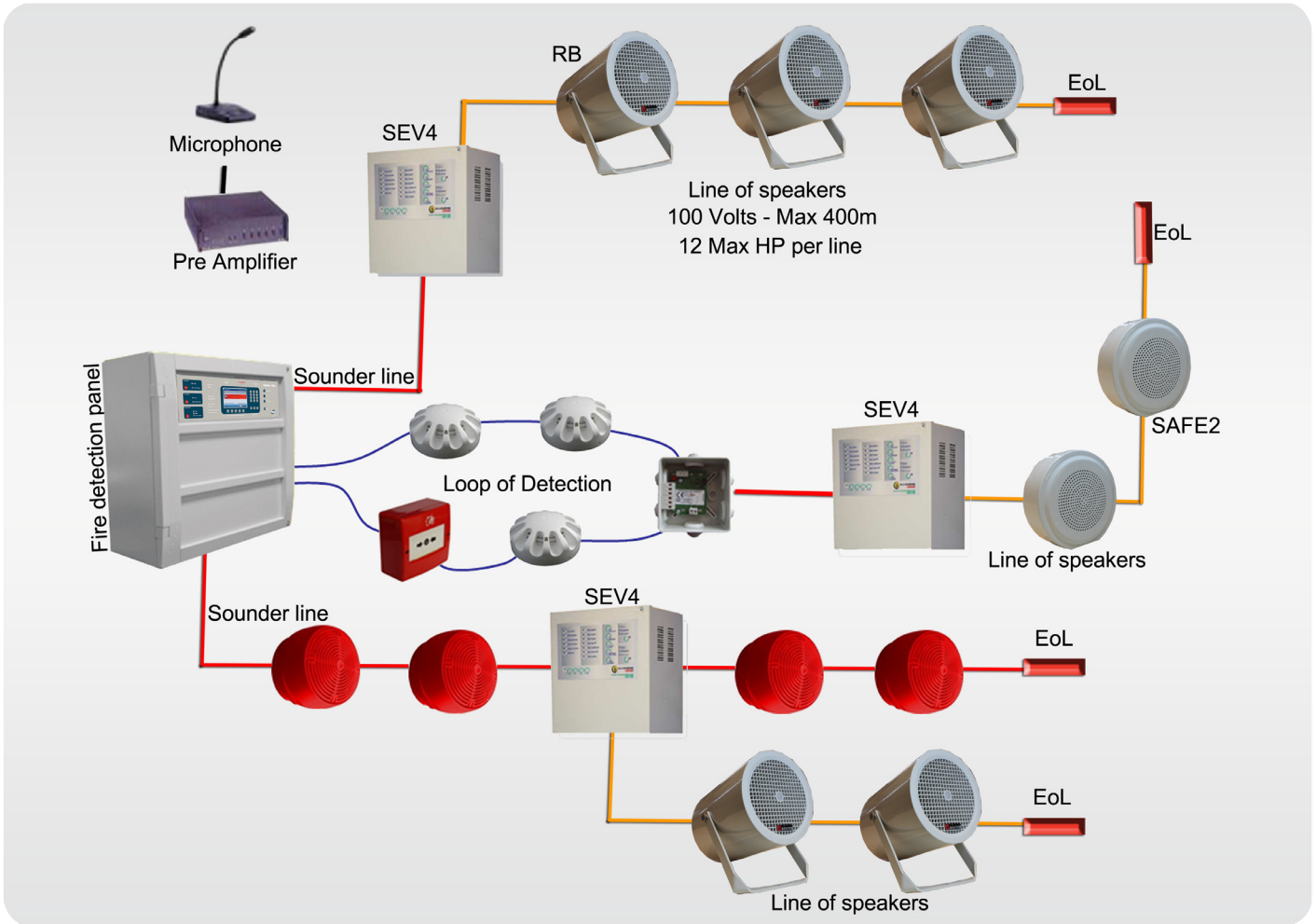LOCAL COMMAND of evacuation with key including delay of closing

● **BBG-V**

Green Manual Call point with reset key

Microphone

SEV4

Pre Amplifier

RB

EoL

Line of speakers
100 Volts - Max 400m
12 Max HP per line

EoL

Fire detection panel

Sounder line

Loop of Detection

SEV4

SEV4

SAFE2

Line of speakers

Sounder line

SEV4

EoL

EoL

Line of speakers

Electric lock
for emergency exit doors

CLEV
Local command
of evacuation
with key

FIRE ALARM CABLE

● **SAS0250HFEEH-F3FG4**

2x0,5 mm2 (diam 0,8) cable, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

● **SAS0210HFEEH-F3FG4**

2x1,00 mm2 cable, able, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

● **SAS0215HFEEH-F3FG4**

2x1,5 mm2 cable, able, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

● **SAS0225HFEEH-F3FG4**

2x2,5 mm2 cable, able, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

MAINTENANCE AND TEST EQUIPMENT

Test flame detector tool

● **BT-DF**

Tool Tester with battery charger for flame detectors IR and UV

Test and mounting tools

● **3010**

Smoke detector tester
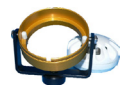
● **3015**

Aerosol bottle of 250 ml (pack of 12)

● **3053**

Heat detector tester (head and 12V controller)

● **3059**

12V charger

● **4065**

05 removal tool

● **4051**

95 removal tool

Telescopic access

● **2001**

Telescopic access pole 2x1.50m

● **2002**

Telescopic access pole 2x2.00m

Accessories

● **1001**

1.00m extension

● **1004**

1.50m extension

● **1005**

2.00m extension

MAINTENANCE AND TEST EQUIPMENT

SPARE PARTS

Alpha 2

● **AL2BOARD**
ALPHA 2 MOTHER BOARD

Alpha 4/8/12

● **AR4D**
ALPHA 4/8/12 MOTHER BOARD

Hephais 128

● **MP128**
HEPHAIS 128 MOTHER BOARD

Hephais 1600 NE

● **MB2B NE**
Panel's main cpu board

● **ALBA150**
Power supply for hephais 1600

Hephais 1600

● **MB2B**
Panel's main cpu board

Head sensor gas detectors

● **W4187**
HEAD GAS SENSOR for METHANE GAS DETECTOR GD100C or GD100A

● **W4186**
HEAD GAS SENSOR for CO GAS DETECTOR GD103C or GD103A

● **W4188**
HEAD GAS SENSOR for PETROL STEAM GAS DETECTOR GD102C or GD102A

● **W4189**
HEAD GAS SENSOR for LIQUID PROPANE GAS DETECTOR LPG GD105C, GD106C or GD105A, GD106A

● **W4925**
HEAD GAS SENSOR for ACETILENE GAS DETECTOR GD109C or GD109A

● **W4280**
HEAD GAS SENSOR for CO GAS DETECTOR GD113C or GD113A

● **W4088**
HEAD GAS SENSOR for HYDROGENE GAS DETECTOR GD104C or GD104A

Alpha 500/1000

● **CPUB**
CPU board for alpha 500/1000

● **ALBA**
POWER supply for ALPHA 500/1000

● **MD1B05**
Extension module for 4 spur circuits (max 32 points per circuit) or 2 loops (max 125 points), for 05 intelligent detectors range

● **MD1B**
Extension module for 4 spur circuits (max 32 points per circuit) or 2 loops (max 125 points)

● **ESAL D 3U**
User interface panel with alphanumeric display 160 characters and keyboard, rack mount version 19»,for ALPHA 500/1000

95 serie detectors

● **OA95**
Analogue/addressable optical smoke detector, EN54-7

● **TVA95**
Analogue/addressable rate of rise + fixed heat detector, EN54-5, EN54-9

● **TPA95**
Analogue/addressable fixed heat detector, EN54-5, EN54-9

● **OTA95**
Analogue/addressable multicriteria (optical-heat) detector EN54-7, EN54-9

● **S95**
Universal base for conventional and analogue detectors

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for fire alarm installations**

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SD³

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