CATALOGUE

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

www.sd3.fr

SD³

A world of fire detection equipment

SD³ : 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 60 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

Director

SD³ represents the export department of these factories all over the world.

Location : Massy (Paris) FRANCE

Detectors, Call points, Modules
Location: Dadonville FRANCE
Created in 1989, FARE is specialised in developing and manufacturing conventional and addressable detectors.
FARE CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD/CPR by notified body

Conventional and Intelligent/Addressable panels
Location: Dadonville FRANCE
SEFI was founded in 1970. The company manufactures conventional and addressable fire alarm panels and auxiliaries.
SEFI CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD/CPR by notified body

Sounders and flashes
Location: Massy (Paris) FRANCE
SESSY CERTIFICATIONS :
AFNOR / BOSEC-ANPI / CPD/CPR by notified body

Gas detectors and panels, Power supply
Location: Verona ITALY
DELTA ERRE CERTIFICATIONS :
ISO / AFNOR / BOSEC-ANPI / CPD/CPR by notified body

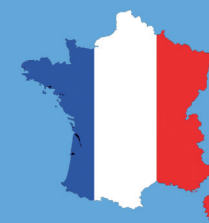**Extinguishing system**
Location: Paris FRANCE
EXTINCTIUM CERTIFICATIONS :
ISO / AFNOR

Stand alone detector
Location: Pithivier FRANCE
SHD CERTIFICATIONS :
ISO / AFNOR

First French
fire alarm
manufacturer

Commercial
relationship

Technical trainings
Assistance

Distribution under
the factories brand
all over the world

PANELS

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, EN54-13 AFNOR, BOSEC, CE CPD/CPR, EN12094-1 with extinguishing board (DEAG).
- Needs 2 batteries 12V/7Ah
Exists also in 110VAC version

With fire brigade key

ALPHA 4/8/12 FBKEY

12 ZONES FIRE DETECTION CONVENTIONAL PANEL equipped with 4 zones (max 12 zones)
- 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

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

REP4MO

4 SEPARATED MONITORED WAYS SOUNDER CIRCUIT extension board, permits to have 4 monitored sounder circuits. To be plugged inside the panel

Flushmounting

ALP24-KIT19

FLUSH MOUNTING METALLIC FRAME and backbox for ALPHA 4/8/12 or HEPHAIS 128

Accessories

TR-SDI

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

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

Detection line 1
Detection line 2
Detection line 3
Detection line 4

EOL

- max. 32 devices per line
- (x2) 0.8mm diameter,
- max. A Km length

Monitored sounders line

EOL

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

Option 1*

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 2*

REP4R:
4 x NC/NO contact
relays board

Option 3*

REP4MO:
4 x monitored
sounders lines

4 zones
conventional
panel

Option

EX4A4:
4 detection
lines

8 zones
conventional
panel

Option

EX4A4:
4 detection
lines

12 zones
conventional
panel

*Note: The panel support one option only.

FIRE DETECTORS

05 range

OC05

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

TRC05

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

TSC05-A1S

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

TSC05-BS

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

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/CPR**

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 for tubes connections supplied with glands

GAV

ANTIVANDALISM protection grid

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/CPR**, base included

IRY2-IP65

CONVENTIONAL INFRARED FLAME DETECTOR, 1 remote led output, vision cone ± 45°, Distance max 25m, IP65 box, dim 225x175x80, **CE according to CPD/CPR**

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

PEDM

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/CPR**

AIR DUCT DETECTION

BTG05-P5901

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

DIGITAL 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

HC68 or HC105
Max. length = 750m

EoL
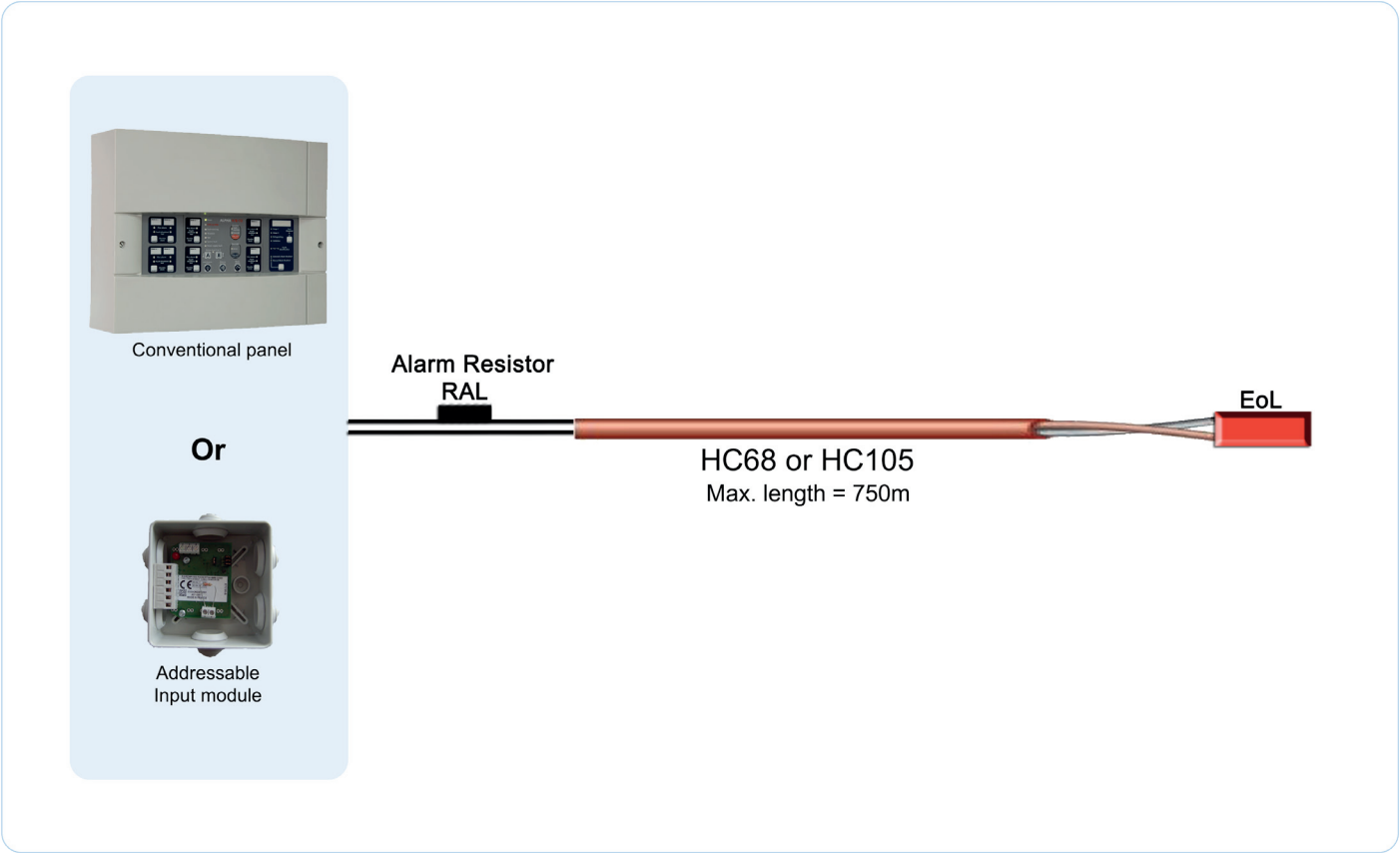
STAND ALONE DETECTORS

SMOKE ALARM DETECTOR

DOF49

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)

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). Dedicated for wireless application (wireless module not included)

Accessories for VESTA

DAAF-REL

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

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

ALPHA RANGE

Manual call point
DMCL05

MCP
Waterproof

Smoke detector
Heat detector
OC05, TRC05,
TSC05

IND05
alarm
indicator

Options

VPDM
transparent double
action lift-up cover

PEDM
Plastic frame for
flush mounting

DMC05E

S05SE Base

E.O.L
resistor

Beam detector

1 max/line

5 max/line

E.O.L
resistor

AL
resistor

HC 68 or HC 105 heat detection cable

E.O.L
resistor

ALPHA 4/8/12

Power supply

230Vac

24Vdc

HEPHEA

Gas detectors   GDxxC

E.O.L
resistor

Monitored
conventional
sounders line

Sounder

Sounder
+ flash

Alarm panel

FIRE
ALARM

Flash

E.O.L
resistor

AVS
2000/R

DSF2000

POA543C

DFD
2000
RR

Flushmounting
piece for detector

PES05

+

S05SE Base

+

Smoke detector,
Heat detector
OC05
TRC05
TSC05

=

FLUSHMOUNTED
DETECTOR

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05SE
Base

+

R05
Relay card

=

DETECTOR WITH
NO-NC RELAY

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05SE
Base

+

SOUND05

=

DETECTOR WITH
SOUNDER BASE
95 dB @ 1m

Smoke detector,
Heat detector
OC05
TRC05
TSC05

+

S05SE
Base

+

BRI(IP65)
or BRI/EM

=

DETECTOR WITH
TUBE CONNECTIONS

E.O.L
resistor

Infrared flame
detector IP65

IRY2-IP65

Infrared flame
detector
IRY2 + S95 base

Infrared flame detector
typical distance = 17m

Vision
cone 90°

Air duct detector
housing box

BTG05
with detector :
OC05

E.O.L
resistor

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)

INTELLIGENT / INTERACTIVE PANELS AND DETECTORS / DEVICES..............**16-29**

PANELS

From 1 to 128 addresses

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, EN54-13 CE according to CPD/CPR**

TELEHEPHAIS 128

SOFTWARE PROGRAMMING TOOL for HEPHAIS 128, uploading/downloading

AJ127

Serial cable for software PROGRAMMING TOOL

From 1 to 400 addresses

HEPHAIS 1600 NE COMFORT

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, NOT EXPANDABLE, 400 ADDRESSES, 2 master loops or 4 spur circuits (open circuit with max 32 addresses), USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3inches ,1000 ZONES, 2700 memory events, 2 monitored sounders lines + 3 programmable output relays, 1xRS232 serial output for remote control panel, 2 programmable inputs, RS422 JBUS monitoring output. TCPIP Connection for safe remote monitoring interface. Needs 2 internal batteries 12V/12Ah. **EN54-2, EN54-4, EN54-13 CE according to CPD/CPR**

TELEHEPHAIS 1600

SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600 NE and HEPHAIS 1600

AJ127

Serial cable for software PROGRAMMING TOOL
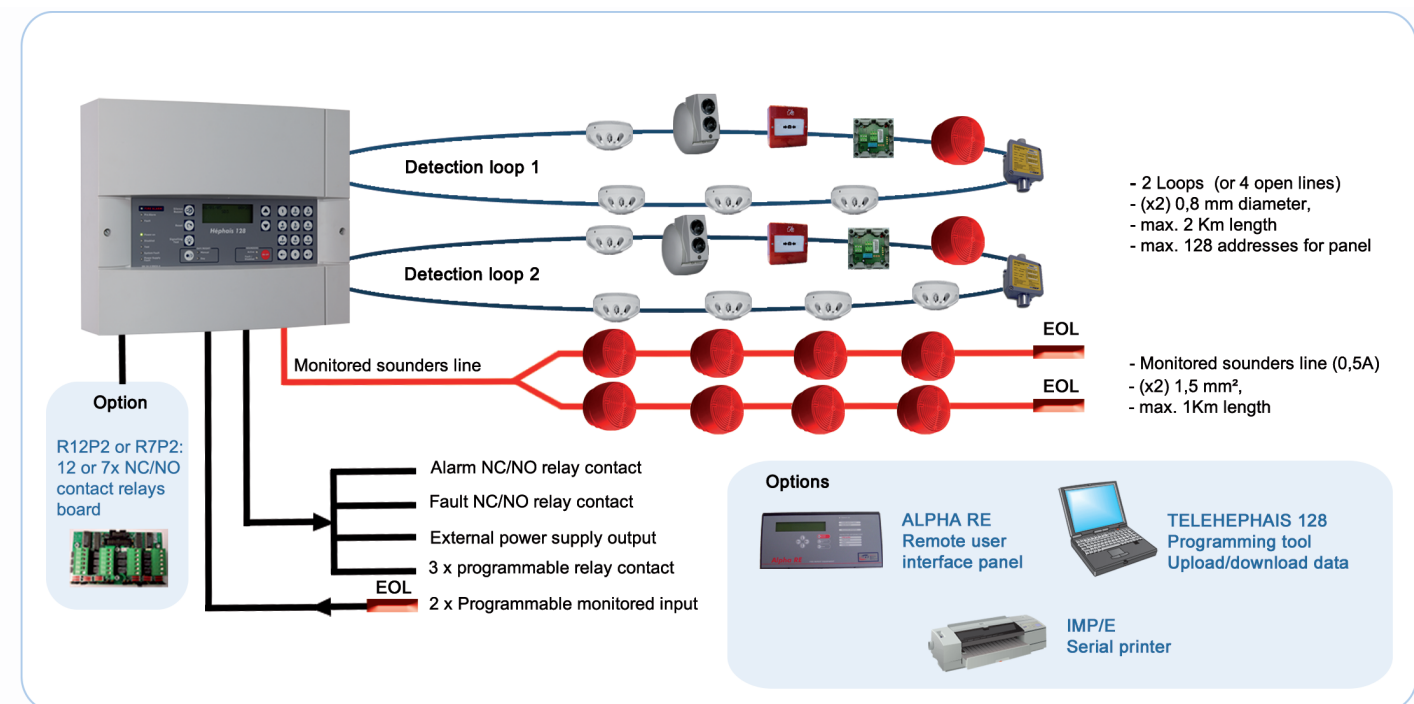
Specific software

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**
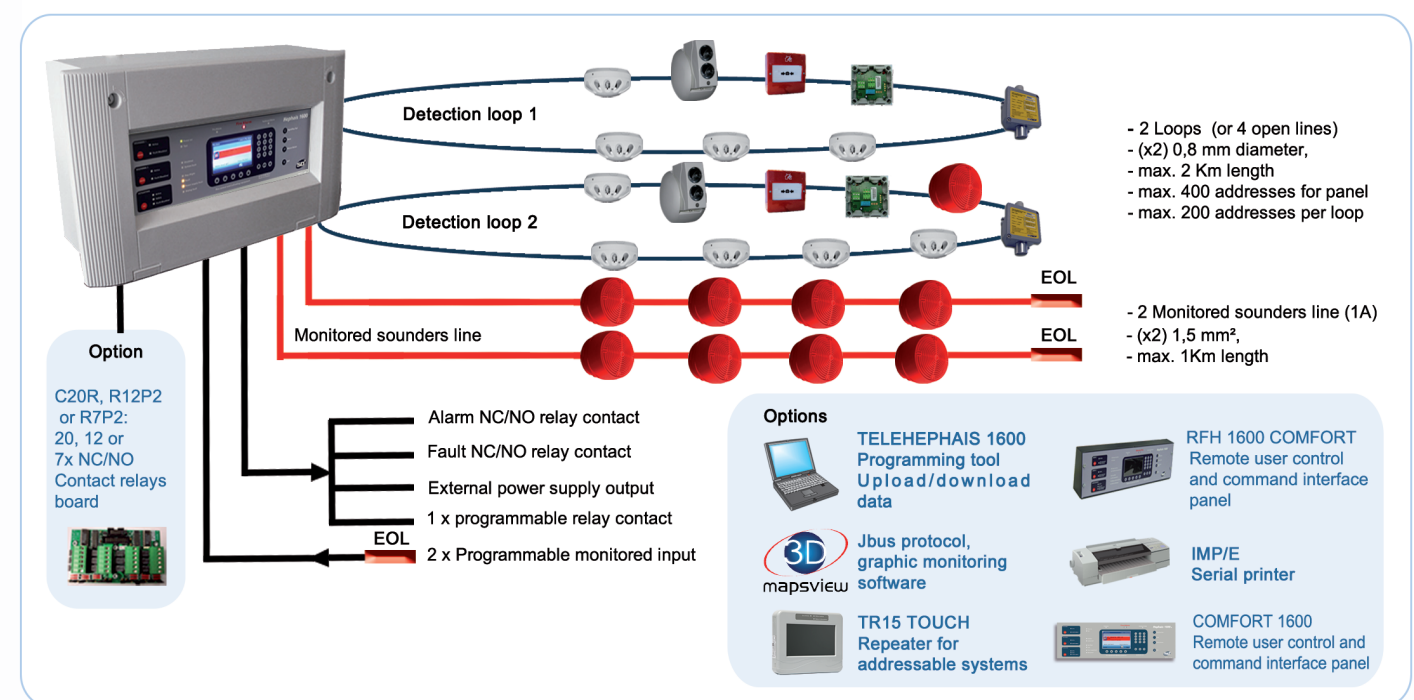
TIME BOMB RENEW

Renewal of 1 year time bomb

Options

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

Options

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

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

TR15 TOUCH

Repeater for addressable systems with 7inches colour touchscreen and advanced user-friendly interface.

MIHMNG-EXT

COMMUNICATION CARD FOR COMFORT USER INTERFACE FRONT PANEL. This card is necessary for a remote use of COMFORT 1600 front panel or TR15 Touch connection.

HEPHAIS 128 : FROM 1 TO 128 ADDRESSES

Detection loop 1

Detection loop 2

Monitored sounders line

EOL

- 2 Loops (or 4 open lines)
- (x2) 0,8 mm 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
2 x Programmable monitored input

EOL

Options
ALPHA RE
Remote user
interface panel

TELEHEPHAIS 128
Programming tool
Upload/download data

IMP/E
Serial printer

HEPHAIS 1600 NE COMFORT : FROM 1 TO 400 ADDRESSES

Detection loop 1

Detection loop 2

Monitored sounders line

EOL

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

- 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
2 x Programmable monitored input

EOL

Options
TELEHEPHAIS 1600
Programming tool
Upload/download data

Jbus protocol,
graphic monitoring
software

TR15 TOUCH
Repeater for
addressable systems

RFH 1600 COMFORT
Remote user control
and command interface
panel

IMP/E
Serial printer

COMFORT 1600
Remote user control and
command interface panel

PANELS

From 1 to 1600 addresses

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, EN54-13, CE according to CPD/CPR**

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, EN54-13, CE according to CPD/CPR**

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 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 12V/24Ah. **EN54-2, EN54-4, EN54-13, CE according to CPD/CPR**

HEPHAIS 1600-400/COMFORT LPM

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 metallic 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, 2 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, EN54-13, CE according to CPD/CPR**

TELEHEPHAIS 1600

SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600 range

AJ127

Serial cable for software PROGRAMMING TOOL

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

PANELS

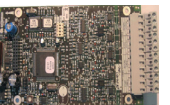### HEPHAIS 1600 range

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

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

Options

Printers

IMP

INTERNAL SERIAL FLUSH MOUNTED PRINTER can be directly mounted in metallic box of HEPHAIS 1600 or through CACHE-IMPRI-3U piece for plastic box

CACHE-IMPRI-3U

MOUNTING KIT front panel to flushmount IMP printer in HEPHAIS 1600 COMFORT 1600-400/L

IMP/E

EXTERNAL SERIAL PRINTER, dimensions 165x135x50mm

KCT10

PACK OF 10 THERMIC PAPER ROLLS

Remote monitoring and command panel

RFH 1600 COMFORT

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

CO3U

PLASTIC BOX CONSOLE for RFH 1600 front panel or COMFORT 1600

Remote monitoring panel

ALPHA RE

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

TR15 TOUCH

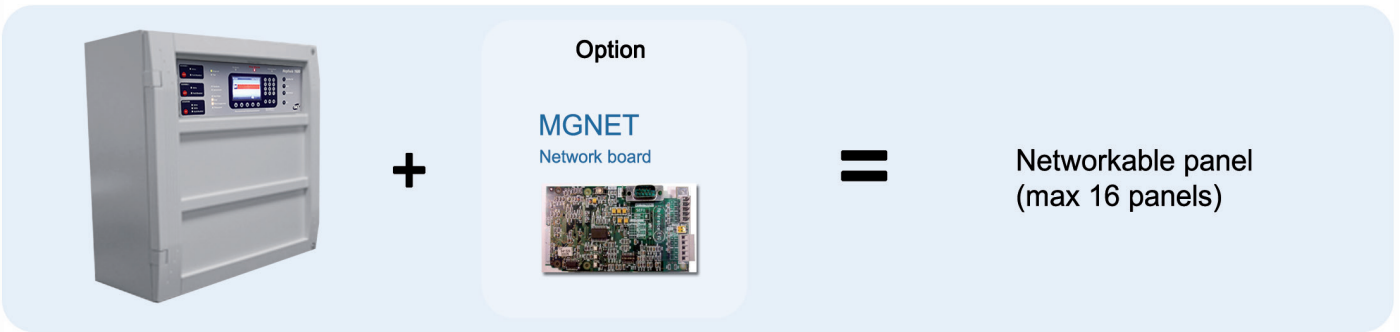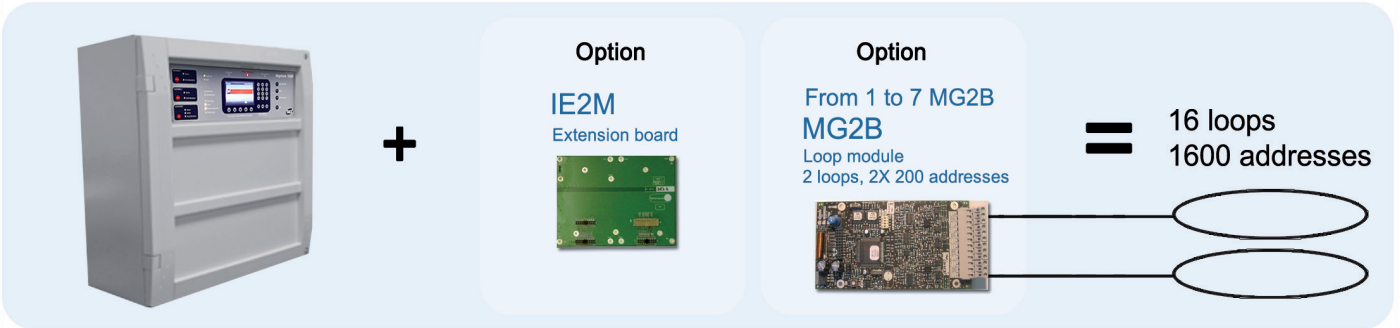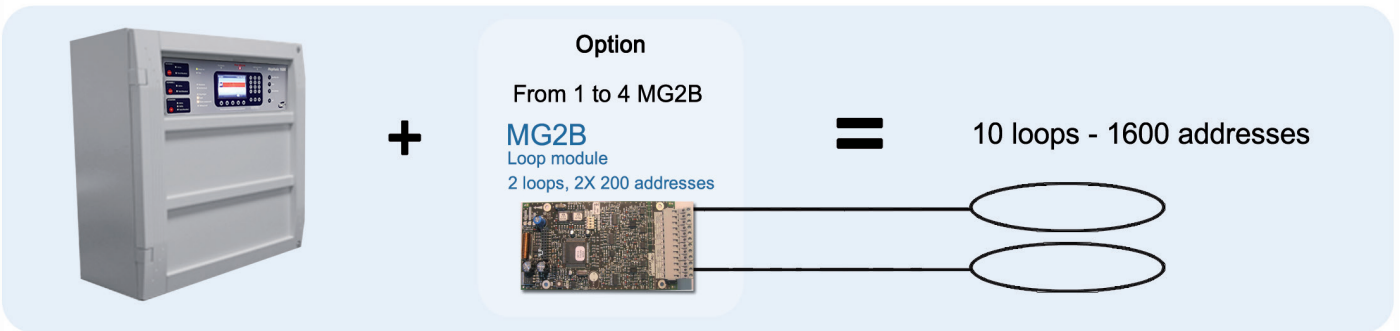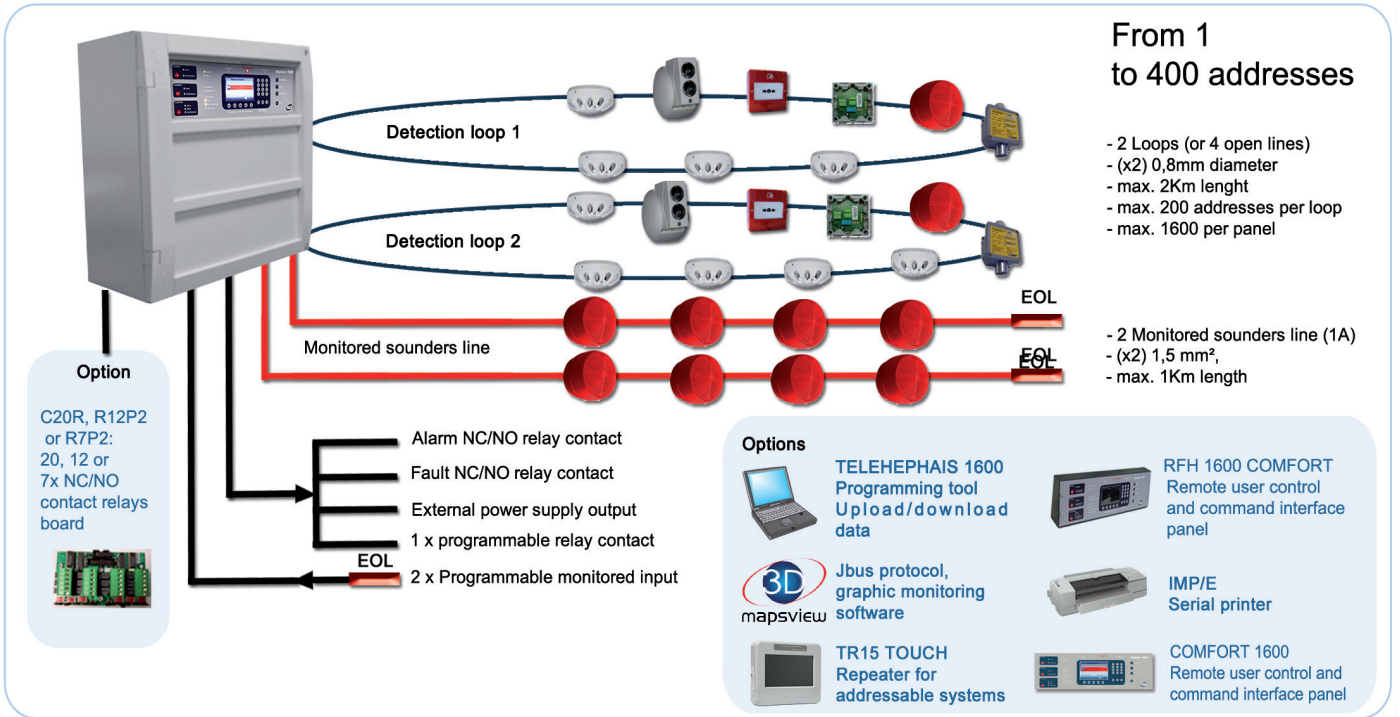Repeater for addressable systems with 7inches colour touchscreen and advanced user-friendly interface.
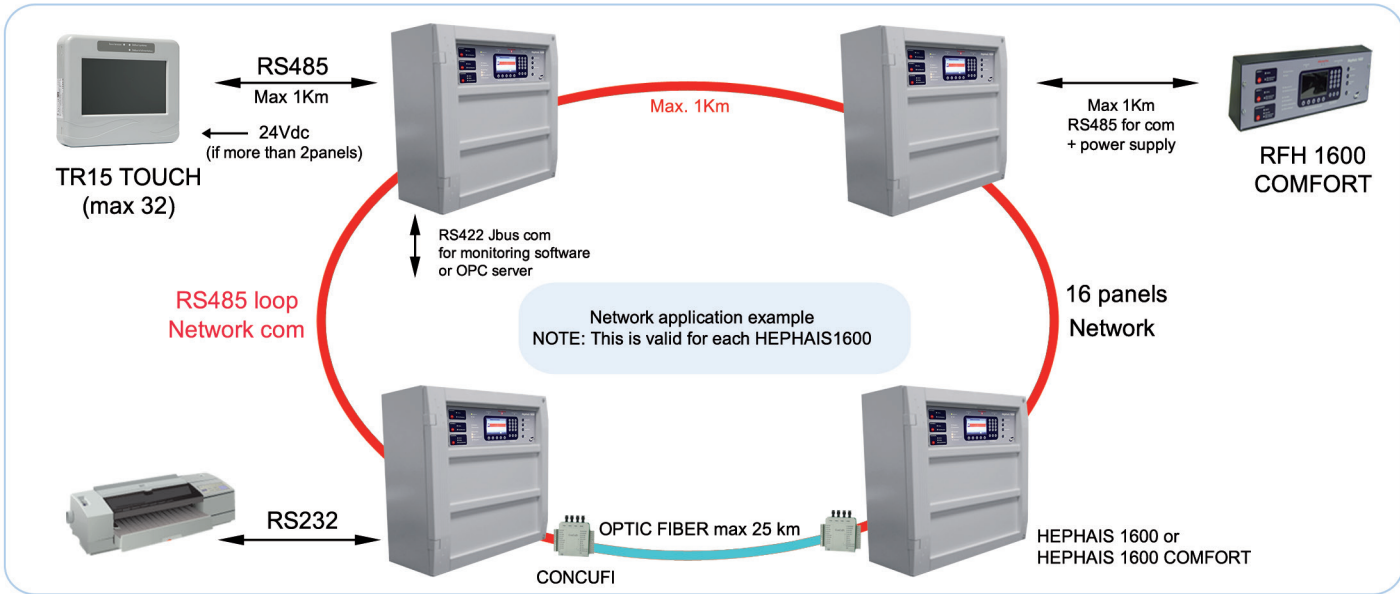
MIHMNG-EXT

COMMUNICATION CARD FOR COMFORT USER INTERFACE FRONT PANEL. This card is only necessary for a remote use of COMFORT 1600 front panel
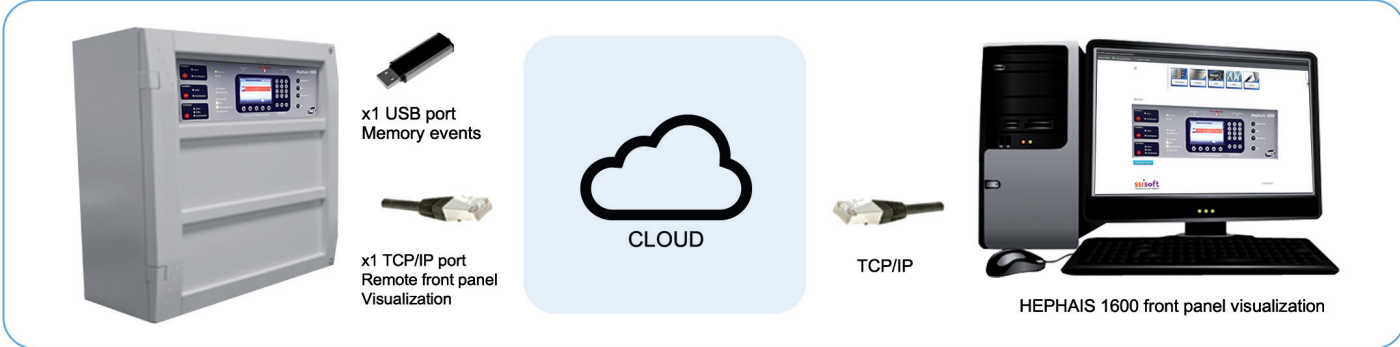
HEPHAIS 1600 COMFORT : FROM 1 TO 1600 ADDRESSES

From 1
to 400 addresses

Detection loop 1

Detection loop 2

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

EOL

EOL

Monitored sounders line

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

EOL

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

2 x Programmable monitored input

EOL

Options

TELEHEPHAIS 1600
Programming tool
Upload/download
data

3D mapsview
Jbus protocol,
graphic monitoring
software

TR15 TOUCH
Repeater for
addressable systems

RFH 1600 COMFORT
Remote user control
and command interface
panel

IMP/E
Serial printer

COMFORT 1600
Remote user control and
command interface panel

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)

Network of HEPHAIS 1600 COMFORT PANEL

RS485
Max 1Km

Max. 1Km

Max 1Km
RS485 for com
+ power supply

24Vdc
(if more than 2panels)

TR15 TOUCH
(max 32)

RFH 1600
COMFORT

RS422 Jbus com
for monitoring software
or OPC server

RS485 loop
Network com

Network application example
NOTE: This is valid for each HEPHAIS1600

16 panels
Network

RS232

OPTIC FIBER max 25 km

HEPHAIS 1600 or
HEPHAIS 1600 COMFORT

CONCUFI

FIREWEB

x1 USB port
Memory events

x1 TCP/IP port
Remote front panel
Visualization

CLOUD

TCP/IP

HEPHAIS 1600 front panel visualization

FIREWEB SERVER / TCPIP REMOTE CONNECTION on COMFORT 1600 and 1600NE panels

FWS-CX-12

12 months license for **remote monitoring AND commands** for HEPHAIS 1600 NE COMFORT or HEPHAIS 1600 COMFORT through TCPIP connection and cloud.With local authorization (X=A) or without (X=O). Validity time before renewal = 12 months

FWS-CX-36

36 months license for **remote monitoring AND commands** for HEPHAIS 1600 NE COMFORT or HEPHAIS 1600 COMFORT through TCPIP connection and cloud.With local authorization (X=A) or without (X=O). Validity time before renewal = 36 months

FWS-VX-12

12 months license for **remote monitoring** for HEPHAIS 1600 NE COMFORT or HEPHAIS 1600 COMFORT through TCPIP connection and cloud.With local authorization (X=A) or without (X=O). Validity time before renewal = 12 months

FWS-VX-36

36 months license for **remote monitoring** for HEPHAIS 1600 NE COMFORT or HEPHAIS 1600 COMFORT through TCPIP connection and cloud.With local authorization (X=A) or without (X=O). Validity time before renewal = 36 months

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/CPR

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/CPR**

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/CPR**

Detector range 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/CPR

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/CPR**

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/CPR**

Bases and accessories

Standard base

S05SE

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

Accessories for S05 base

PES05

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

Sounder base with S05 base

SOUND05 +S05SE

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

Isolator for 05 range

ICC05

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

Bases and accessories for 05 & 12

S12 double terminal, no screw drivers bases

S12

UNIVERSAL BASE WITH STICK ADDRESS SOCKET for 05 and 12 range conventional and addressable detectors. Double terminal block, no screw driver, easy wiring. Sold by pack of 10. Label plate support included.

Accessories for base

PSS15

Mounting adapter to secure fixing S12 on suspended false ceiling. Sold by pack of 900

KMIPN

Fastening kit to fix the detector base S12 on steel beam. Exists for thickness 3-8mm, 8-14mm, 14-20mm

PMSP

Fastening kit to the detector base S12 under raised floor

OAR15

Optional tool for wiring and stripping

PES12

FLUSHMOUNTING PIECE FOR BASE permits to flushmount a 05, 12 range base including wiring connection and label holder

BRI/EM + S12

Universal base with GLANDS HOLE for 05 and 12 range, base for tubes connections

BRI + S12

WATERPROOF universal base with glands for 05 and 12 range (IP65), base for tubes connections supplies with glands

Sounder base with S12 base

SOUND05 + S12

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

Accessories for S05 and S12 Bases

GAV

ANTIVANDALISM protection grid

Addressable flame detector

IR95+S95

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

ADDRESSABLE MANUAL CALL POINTS

05 range

Accessories

DMA05

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

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/CPR**

PEDM

PLASTIC FRAME for flush mounting MCP

VPDM

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

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/CPR**

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 . **Certified EN54-3 according to CPD**

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/CPR**

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/CPR (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/CPR**

EDL

ADDRESSABLE 2 MONITORED INPUT + 1 MONITORED LINE OUTPUT permits to manage NO or NC for the monitored inputs and use monitored sounders line for outputs, **EN54-17, EN54-18, CE according to CPD/CPR**

ED4L

ADDRESSABLE 8 MONITORED INPUT + 4 MONITORED LINE OUTPUT permits to manage NO or NC for monitored inputs and use monitored sounders line for outputs, **EN54-17, EN54-18, CE according to CPD/CPR**

MIMIC B60

DIN RAIL MOUNTING 60 ADDRESSABLE outputs dedicated for Mimic panel leds

PROGRAMMING, TEST AND MAINTENANCE TOOL

ECDL 500

Portable tool for commissioning, troubleshooting, and maintenance operations of the addressable loop. It also enables the wiring verification of the conventional lines, delivered in a suitcase with an adapter/charger, a USB cable and a specific cable equipped with crocodiles' clips. It is compatible with the A95, A05, and A12 ranges of addressable devices. Mostly, it is a useful and essential tool to validate your installation before start-up

HEPHAIS RANGE

HEPHAIS 128

HEPHAIS 1600 NE COMFORT

HEPHAIS 1600-400 COMFORT/L

Addressable loop

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

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

S05SE Base

IND05 alarm indicator

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

+

+

=

Power supply

230Vac

24Vdc

HEPHEA

Alarm panel

FIRE ALARM

POA543I

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,

E.O.L resistor

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

Addressable sounder
95db@1m

AVSA 05

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

ECDL 500
PORTABLE TOOL FOR ADDRESSABLE DETECTORS AND DEVICES

Monitored conventional sounders line

Sounder

AVS 2000/R

Sounder + flash

DSF2000 FLASH

Alarm panel

FIRE ALARM

POA543C

Flash

DFD 2000 RR

E.O.L resistor

*Only for HEPHAIS 1600 NE and HEPHAIS 1600

From 3 to 30m

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/CPR**

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, CE according to CPD/CPR**

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**

Accessories

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 connected with 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
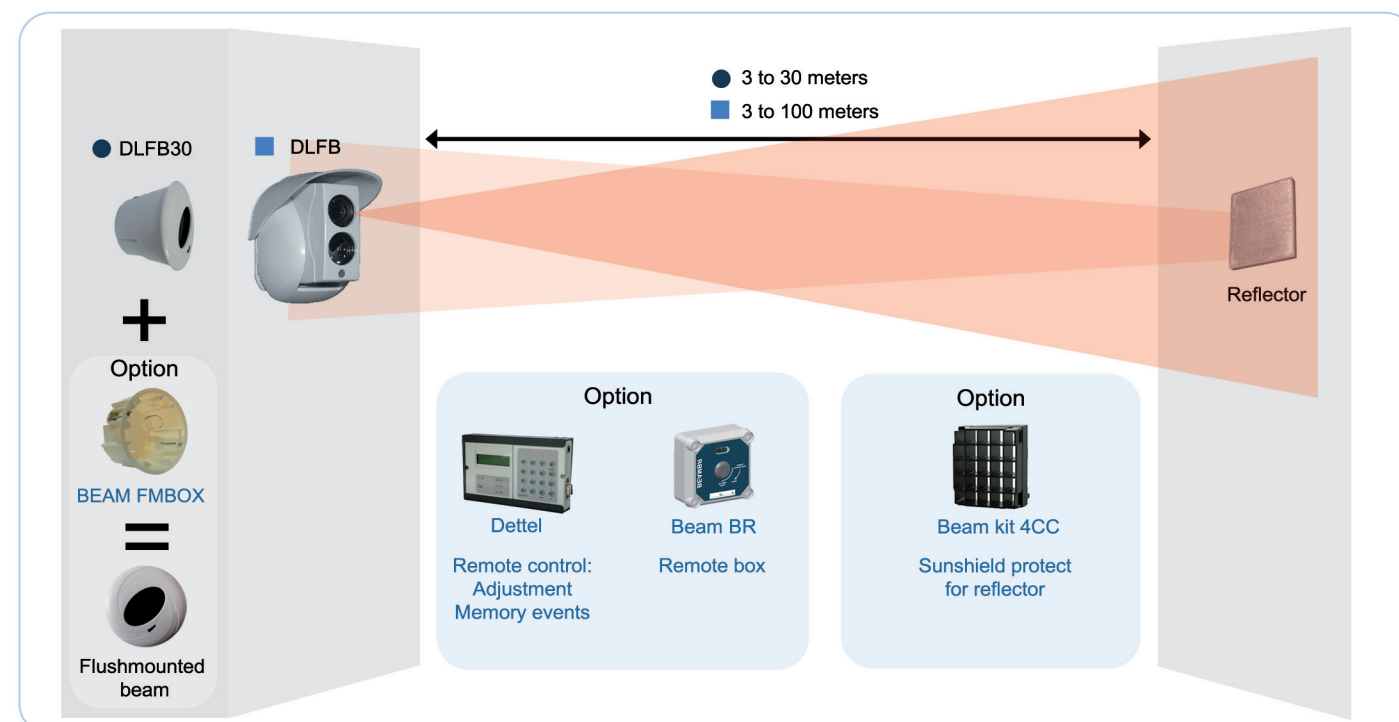
FLUSHMOUNTING box for DLFB30

OA05-W

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

DMA05-W

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

IND05-W

WIRELESS REMOTE INDICATOR, angle of vision = 180°, **EN54-18 , EN54-25, CE according to CPD/CPR**
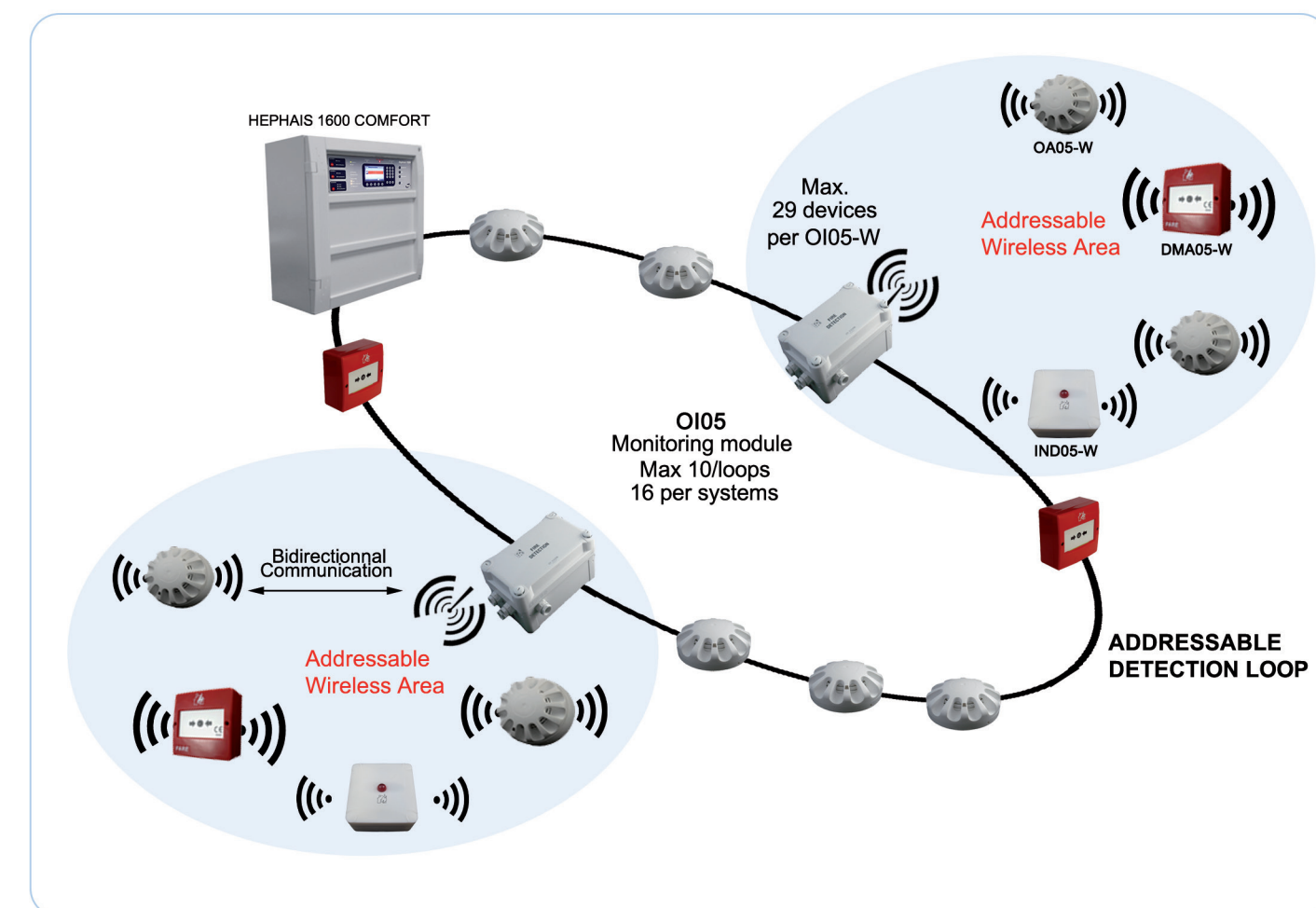
OI05

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/CPR**

TELEWIRELESS

SOFTWARE PROGRAMMING TOOL for WIRELESS SOLUTIONS

3 to 30 meters
3 to 100 meters

DLFB30   DLFB

Reflector

+

Option

BEAM FMBOX

=

Flushmounted beam

Option
Dettel
Remote control:
Adjustment
Memory events

Beam BR
Remote box

Option
Beam kit 4CC
Sunshield protect
for reflector

HEPHAIS 1600 COMFORT

Max. 29 devices per OI05-W

OA05-W

Addressable Wireless Area

DMA05-W

OI05
Monitoring module
Max 10/loops
16 per systems

IND05-W

Bidirectionnal Communication

Addressable Wireless Area

ADDRESSABLE DETECTION LOOP

WITH HIGH SENSITIVITY DETECTORS

DFA05-1C-B (DFA05-3)

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/CPR**

DFA05-2C-B (DFA05-4)

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/CPR**

DFA05-1C (DFA05-1)

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

DFA05-2C (DFA05-2)

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/CPR**

Detector modules

SSD 535-1

HIGH SENSITIVITY SMOKE DETECTOR MODULE with alarm sensitivity range from 0,05%/m to 10%/m to be plugged in DFA05
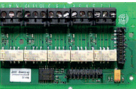
SSD 535-2

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)

MINI AIR SAMPLING DETECTION for 12 holes max

DFA05 Mini-40

CONVENTIONAL SINGLE CHANNEL ASPIRATION DETECTOR
For one sampling tube network with a maximum of 12 sampling holes which includes its own smoke module 0.02%/m to 10%/m. Max length of the last hole = 40m. Total length max of network tubes = 75m. EN54-20, CE marking according to CPD/CPR

Interface module
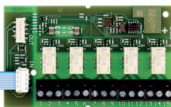
RIM36

RELAY INTERFACE MODULE
With 5 programmable relays, NO-NC 30V/1A to be plugged in DFA05 Mini-40

FILTERS

FBS 25PC

Filter Box Small Ø 25 mm, PC

Filter mat-S

Filter Mat Small for FBS 25 PC

DFU 911

Filter Box Large Ø 25 mm, PC

RFC 911

Spare Filter

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 (batch of 30)

EN25RF

FIREPROOF STRAIGHT SOCKET 25mm, red colour, (batch of 20)

TE25RF

FIREPROOF EQUAL TEE PIECE for 25mm tube, red colour, (batch of 10)

T 25/8

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

TT25RF

FIREPROOF END CAP, for 25mm tube, red colour, (batch of10)

C90RF

FIREPROOF 90° ELBOW, for 25mm tube, red colour, (batch of 5)

CF70

FLEXIBLE ELBOW for 25mm tube, (batch of 4)

C45RF

FIRE PROOF 45° ELBOW, for 25mm tube, red colour, (batch of 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, (batch of 50)

UTRF

FIREPROOF UNION TUBE for 25mm tube, red colour, (batch of 10)

PMTU

SAMPLE POINT 8mm, (batch of 10)

PMC

CONIC SAMPLE POINT, (batch of 10)

PMPT

PLATE SAMPLE POINT with nut, (batch of 10)

PMP

PLATE SAMPLE POINT with screws, (batch of 10)

PMC/8

SAMPLE POINT for capillary tube, (batch of 10)

PCM/10

RAISE FOR CLIP , raises for 17mm, (batch of 10)

PRPM

EXTENSION LEAD for sample point, (batch of 10)

TL

WATERPROOF ENDCAP, (batch of 10)

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**

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**

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, **with possibility to use 4/20mA output**

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

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 (to be used with P7150V)

COGAS

CARBON MONOXIDE GAS TEST BOTTLE, 250ppm, 12 liters (to be used with P7150V)

VPGAS

PETROL STEAM GAS TEST BOTTLE, 40% L.I.E, 12 liters (to be used with P7150V)

LPGGAS

LPG GAS TEST BOTTLE, 40% L.I.E, 12 liters (to be used with P7150V)

HYGAS

HYDROGEN GAS TEST BOTTLE, 48% L.I.E, 12 liters (to be used with P7150V)

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

Available 3 relays:

Pre Alarm

Alarm

Fault

GDREL*

For Settings configuration:

Thresholds

Filter delays

DETTEL

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

ELECTROCHEMICALS CELLS

RAS/AD/340/AAS

AMMONIA (NH3), 0-100 / 0-500 /0-1000 / 0-5000 PPM

RAS/AD/320/AAS

CARBON MONOXIDE (CO) 0-300 / 0-500 PPM

RAS/AD/369/AAS

HYDROGEN SULPHIDE (H2S), 0-20 /0-100 PPM

RAS/AD/361/AAS

OXYGEN (O2), 0-25%v/v

RAS/AD/370/AAS

SULPHUR DIOXIDE (S02) 0-20 PPM

CATALYTIC

RAS/AD/101/AAS

METHANE (CH4), 0-100% L.E.L.

RAS/AD/102/AAS

L.P.G. (Mix), 0-100% L.E.L.

RAS/AD/320/AAS

RAS/AD/104/AAS

RAS/AD/127/AAS

HYDROGEN (H2), 0-100% L.E.L.

RAS/AD/140/AAS

AMMONIA (NH3), 0-100% L.E.L.

RAS/AD/141S/AAS

AMMONIA (NH3), 0-20000ppm

IR Infrared

RAS/AD/201/AAS

METHANE (CH4), 0-100% L.E.L.

RAS/AD/204/AAS

PROPANE (C3H8), 0-100% L.E.L

RAS/AD/279/AAS

CARBON DIOXIDE (CO2), 0-20000ppm (0-2%v/v) up to 0-100%v/v

PID Photo Ionization

RAS/AD/571/AAS

VOCs , 0-400 PPM

ATEX II 2G Ex d IIC T6 Gb-IP65

4-20 mA output - other models on demand

ACCESSORIES

GDA-M/B-KF6

Mounting bracket for RAS series gas detectors

GDA-CH34-NA

Atex certified cable gland, 3/4 NPT - Non Armored. Also available in Armored version

GDA-FA-2

Test and Calibration adaptor for GM2 heads (RAS series gas detectors)

GDA-CO-2

Collector cone for RAS series , for light gases.

GDA-MAG-2

Magnet for non intrusive calibration for GM2 heads (RAS series gas detectors)

eNoseBlu2

Software for configuration and maintenance

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, CE according to CPD/CPR,** Exists also in white colour (AVS2000/W) (base included)

AVSU EFP

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

DSF 2000-RR

CONVENTIONAL sounder + flash (red flash+red box); 3 different sounds, 97dB, low current consuption, IP21C, **EN54-3, EN54-23, CE according to CPD/CPR** (exist also in white flash), base included

DFD 2000-R1-RR

CONVENTIONAL LED FLASH (red flash+red box) for diffusion. 16-58Vdc, **EN54-23, CE according to CPD/CPR** (exist also in white flash)

Base 1,5

Base for DFD2000 (exist also in white)

8500x

COMBINED SOUNDER AND FLASH for OUTDOOR WALL MOUNTED (red colour), IP66, 100db@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 according to CPD/CPR, EN54-3**

POA543-I

ADRESSABLE OPTICAL ACOUSTIC ALARM PANEL WITH BUZZER lighting with high luminosity LED, low current consumption, 12V/24Vds, buzzer 94db@1m, IP55, **CE according to CPD/CPR, EN54-3, EN54-17**

P7540

IP65 kit dedicated to POA543 panels

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 MAX 400 addresses, compatible with HEPHAIS 1600 panels range. MAX 400 ADDRESSES MANAGED, NOT EXPANDABLE. Fully high level software (mails, CSV memory event, webaccess, statistics, autocad file import) including auto download sincronisation with the HEPHAIS 1600 panel. TCPIP management included (needs converted)

SD3 MAPSVIEW NE MUL PC

MULTI PC integrating 1 station (Total 2 stations), 3 DIMENSION BASE REMOTE MAP MONITORING SOFTWARE FOR MAX 400 addresses, compatible with HEPHAIS 1600 panels range. MAX 400 ADDRESSES MANAGED , NOT EXPANDABLE. Fully high level software (mails, CSV memory event, webaccess, statistics, autocad file import) including auto download sincronisation with the HEPHAIS 1600 panel. TCPIP management included (needs converter)

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

SD3 MAPSVIEW

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

SD3 MAPSVIEW MUL PC

MULTI PC integrating 1 station (Total 2 stations), 3 DIMENSION BASE REMOTE MAP MONITORING SOFTWARE FOR 1 complete PANEL, compatible with HEPHAIS 1600 panels range. Possibility to be expanded. Fully high level software (mails, CSV memory event, webaccess, statistics, autocad file import) including auto download sincronisation with the HEPHAIS 1600 panel. TCPIP management included (needs converter)

SD3 MAPSVIEW PLUS

ADDITIONAL LICENSE for 1 panel management, compatible with addressable HEPHAIS 1600 panels and dedicated only for SD3 MAPSVIEW or SD3 MAPSVIEW NE

Options for SD3 MAPSVIEW and SD3 MAPSVIEW NE

SD3 MAPSVIEW PLUS PC

ADDITIONAL LICENSE for 1 PC management, dedicated only for SD3 MAPSVIEW MUL PC or SD3 MAPSVIEW NE MUL PC

SD3 MAPSVIEW BUILD

License for building plans on SD3 MAPSVIEW

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. The DE-311 supports 10/100 Mbps Ethernet connections and has a DB9 female connector for the serial port

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

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NEW 3D features

3D online navigation

3D site modelisation
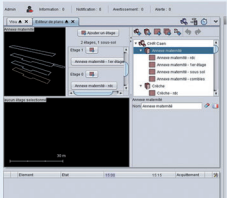
PERSONALISATION

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	→	DE311	→	RS232
RS422	→	MA53	→	TCP/IP
RS422	→	CONCUFI	→	Optic Fiber Multimod
RS422	→	CONCUFI SMODE	→	Optic Fiber Monomod
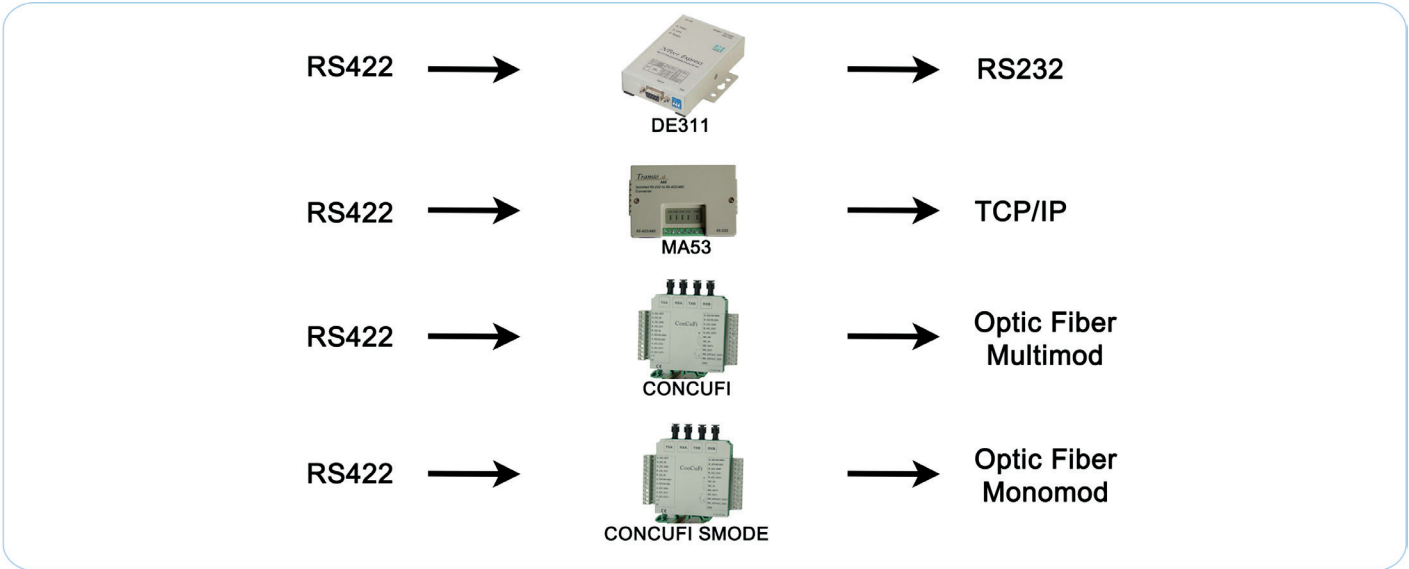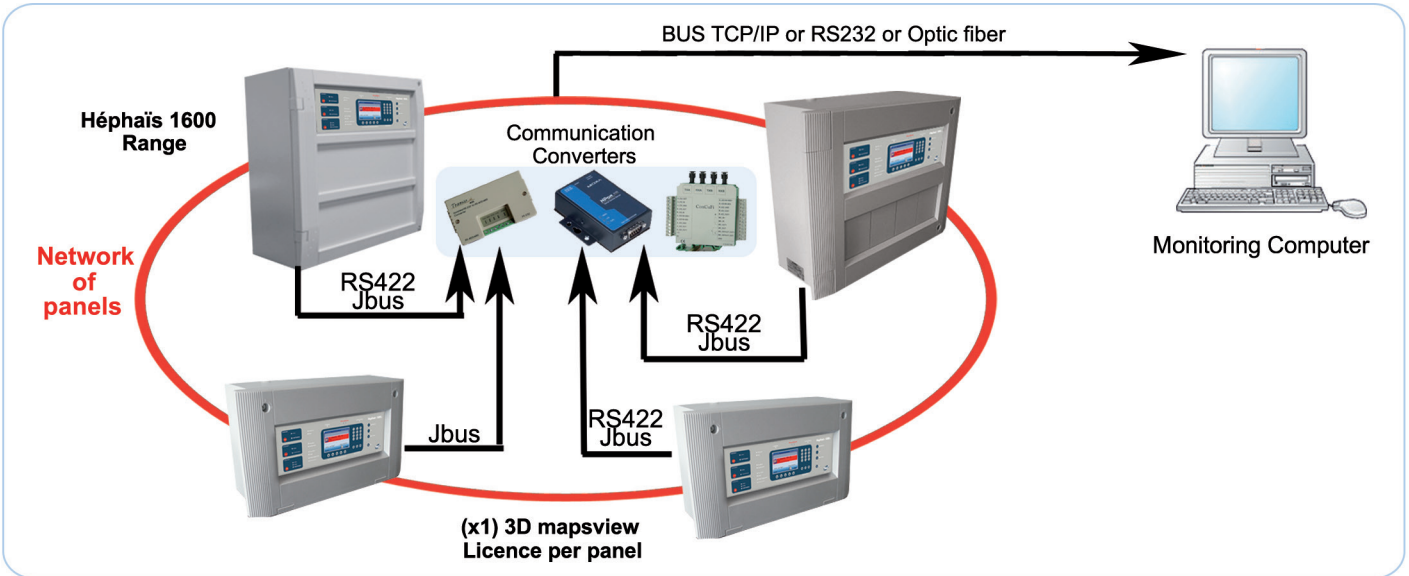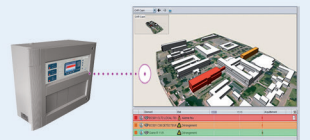
Fire alarm devices

VIREX + SVEX

CONVENTIONAL INFRARED FLAME DETECTOR
Ex version, **ATEX II 1G Eex ia IIC T6, EN54-10, CE according to CPD/CPR , + base SVEX**

OC05EX

CONVENTIONAL OPTICAL SMOKE DETECTOR
Ex version, **ATEX II 1G Eex ia IIC T6 EN54-7, CE according to CPD/CPR**

TRC05EX

CONVENTIONAL RATE OF RISE + FIXED HEAT DETECTOR, Ex version, **ATEX II 1G Eex ia IIC T6, EN54-5, CE according to CPD/CPR**

S05EX

MOUNTING BASE- anti-static design Ex version

DMC05EX

TDMC05EX(front MCP) +FBBG2EX-R (Back box MCP), CONVENTIONAL MANUAL CALL POINT with reset key, Ex version, certified **ATEX 94/9/CE, EN54-11, CE according to CPD/CPR**

ISMA 1

INTRISICALLY SAFE SOUNDER which produces a loud warninng signal in a hazardous area and in all gas groups IIA IIB and IIC. To be used with SBEW 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 the 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, CE according to CPD/CPR**

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 according to CPD/CPR**, 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 2 EX4A4ex boardscan 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

HEPHEA Power supply

CONVENTIONAL MODULE dedicated for EX devices   24Vdc

SBEX-BZ1 Safety Barrier or SBEX-BZ2 Opto isolated

TRC05EX   OC05EX   VIREX   DMC05EX

Conventional Ex interface

ALPHA 4/8/12   +1 or 2 x   EX4A4ex

Zener Barrier

Detection line (x4)

SBEXBZ1

Explosion Hazard area

Heat   Optical   Flame   MCP

E.O.L Resistor

Sounder line (x1)

Zener Barrier

SBEXBZ3

Explosion Hazard area

Sounders

E.O.L Resistor

Explosion proof beam detector

DLFB30 R EX

EXPLOSION PROOF 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, CE according to CPD/CPR, Ex II 2 G Ex d IIC T6, II 2 D Ex td A21 IP66 T85°C**

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 according to CPD/CPR, EN12094-1** with extinguishing board (DEAG). Needs 2 batteries 12V/7Ah. Exists also in 110VAC version

Options

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
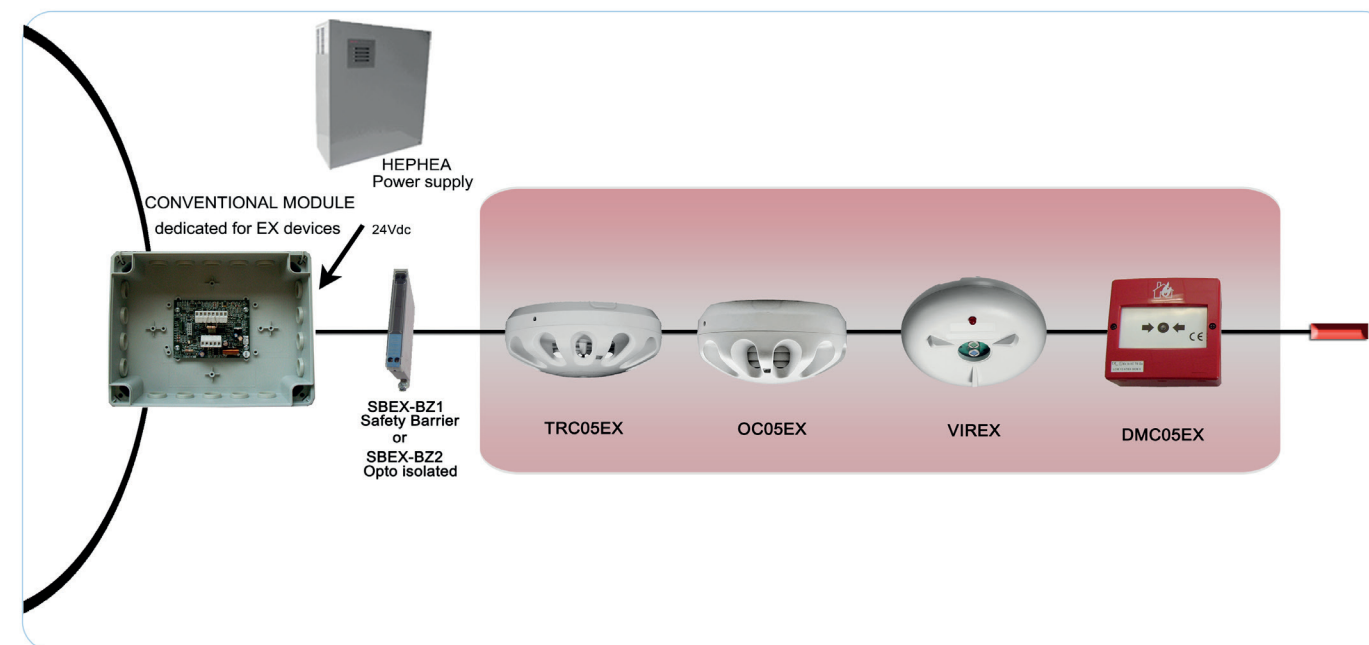
R12P2

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
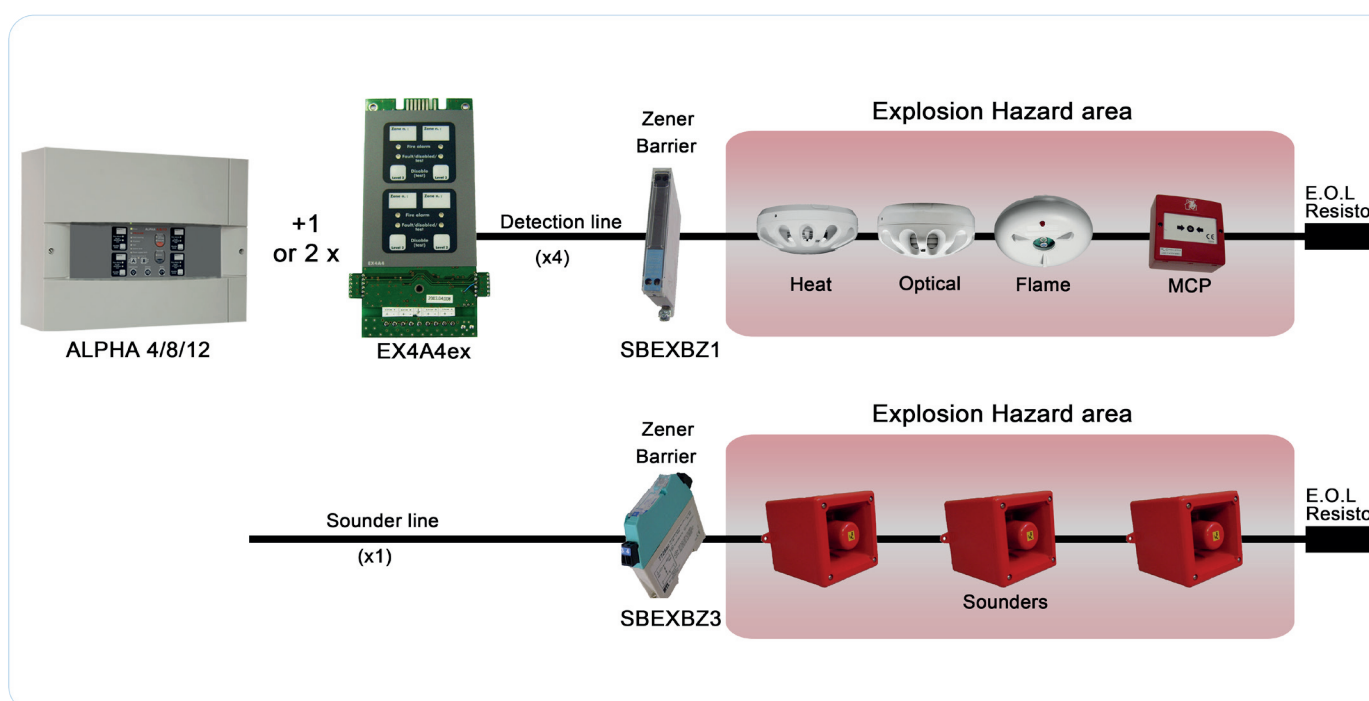
Accessories

62116014
Selector valve (DN50)

62116012
Selector valve CE 350 bars 1''1/4 (DN32)

62116013
Selector valve CE 350 bars 1''1/2(DN40)
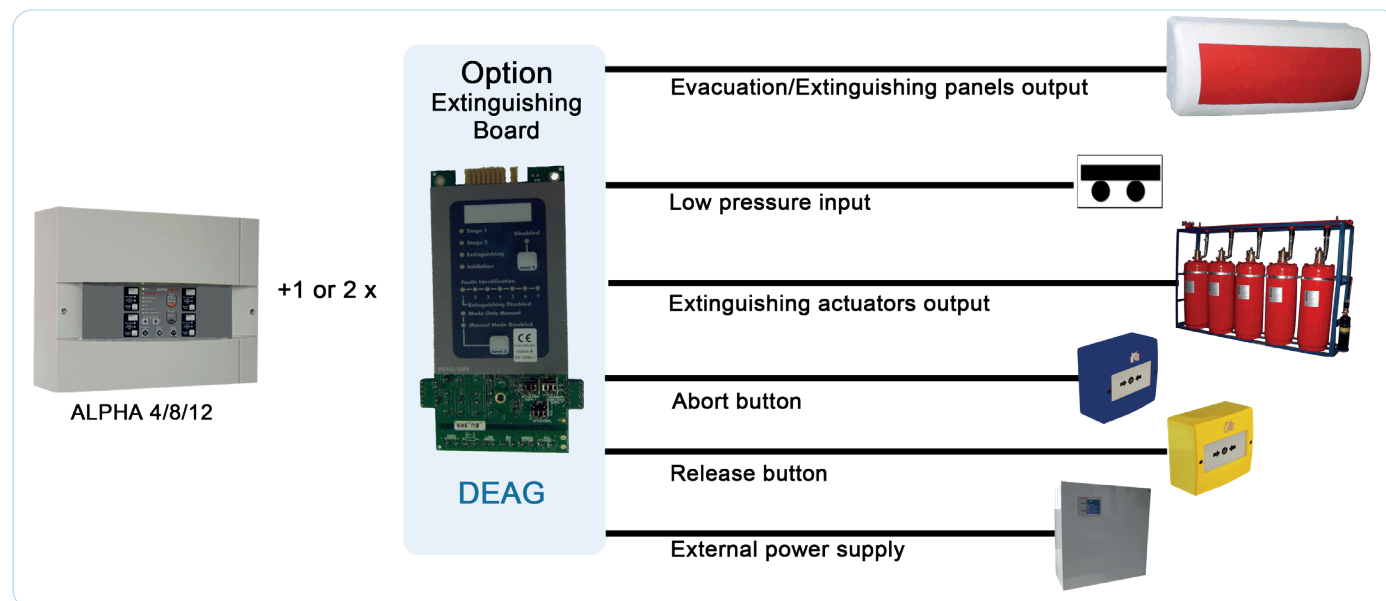
62116011
Selector valve CE 350 bars 1'' (DN25)

6050324N
Pneumatic siren

BS36015
Silent nozzle 360° 1/2FG

Option Extinguishing Board	Evacuation/Extinguishing panels output	
	Low pressure input	
+1 or 2 x	Extinguishing actuators output	
ALPHA 4/8/12	Abort button	
DEAG	Release button	
	External power supply	

CONVENTIONAL PANEL

ALPHA 4/8/12 - M

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). **CE Med marine Bureau Veritas approved**. Needs 2 batteries 12V/7Ah

CONVENTIONAL DETECTORS AND MCP

OC05-M

CONVENTIONAL OPTICAL SMOKE DETECTOR, 1 remote led ourput, EN54-7, CE according to CPD, **CE Med marine Bureau Veritas approved**

TRC05-M

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

TSC05-A1S-M

CONVENTIONAL FIXED HEAT DETECTOR T° =62°C , 1 remote led ourput, EN54-5, CE according to CPD, **CE Med marine Bureau Veritas approved**

DMCL05-M

 MANUAL CALL POINT resettable with key without breaking glass, red colour, **EN54-11, CE Med marine Bureau Veritas approved**

IRY2+S95-M

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

Bases

BRI+S05SE

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

S05SE

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

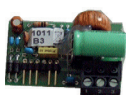# ACCESSORIES FOR FIRE ALARM SYSTEM

MAGNET

VTR0241210
ELECTROMAGNETIC DOOR release unit in metal case, 50daN, 24V

V7RSSOL
Floor support for magnet VTR0241210 (option)

CONVERTER

RT/B
Converter Module 24Vdc to 12 Vdc.

USB/232
CONVERTER MODULE USB/232

HEPHEA RANGE POWER SUPPLY

PSUC224S
Wall mounting 24Vdc safety power supply unit, 2A version.

Delivered in metallic enclosure able to house batteries with capacity up to 17Ah. (Also available in rack version)

PSUC524S
Wall mounting, 24Vdc safety power supply unit, 5A version.

Delivered in metallic enclosure able to house batteries with capacity up to 17Ah. (Also available in rack version)

PSUC524M
Wall mounting, 24Vdc safety power supply unit, 5A version.

Delivered in metallic enclosure able to house batteries with capacity up to 27Ah. (Also available in rack version)
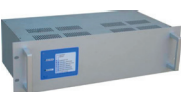
HEPHEA 248B
Power supply box designed to be appropriate for the use as a power unit with a reserve of energy for the supply of a fire

detection installation in accordance with the Directive of the Products of

Construction CPD 89/106/CEE. The electric and mechanical realization of these products is in conformity with the EN

standards 54-4:1997 + A1:2002 + A2:2006, EN12101-10 and EN60950-1:2001.

RACK VERSION

HEPHEA 248B/R
Power supply box in RACK version designed to be appropriate for the use as a power unit with a reserve of energy for

the supply of a fire detection installation in accordance with the Directive of the Products of

Construction CPD 89/106/CEE. The electric and mechanical realization of these products is in conformity with the EN

standards 54-4:1997 + A1:2002 + A2:2006, EN12101-10 and EN60950-1:2001.

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

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, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

SAS0215HFEEH-F3FG4
2x1,5 mm2 cable, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN5020

SAS0225HFEEH-F3FG4
2x2,5 mm2 cable, twisted with screen, polyvinylchloride rated, flame retardant, (rolls by 200m), EN50200

MAINTENANCE AND TEST EQUIPMENT

Cleaning tool

CLEANING TOOL
Tool kit dedicated to the maintenance of optical sensors

Test flame detector tool

BT-DF
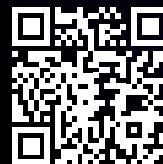Tool Tester with battery charger for flame detectors IR and UV

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

RF H 1600
USER INTERFACE FRONT PANEL with alphanumeric display 160 characters and keyboard, 19 inches, 3U

MB2B
Panel's main cpu board

Hephais 1600 NE

RF H 1600
USER INTERFACE FRONT PANEL with alphanumeric display 160 characters and keyboard, 19 inches, 3U

MB2B NE
Panel's main CPU board

ALBA150
Power supply for hephais 1600

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

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

W4280
HEAD GAS SENSOR for CO GAS DETECTOR GD113C or GD113A

W4088
HEAD GAS SENSOR for HYDROGENE GAS DETECTOR GD104C or GD104A

W4316
HEAD GAS SENSOR for HYDROGENE GAS DETECTOR catalytic GD104C-CT or GD104A-CT

W4315-CH4
HEAD GAS SENSOR for METHANE GAS DETECTOR catalytic GD100C-CT or GD100A-CT

W4315-VB
HEAD GAS SENSOR for PETROL STEAM GAS DETECTOR catalytic GD102C-CT or GD102A-CT

W4315-C3H8
HEAD GAS SENSOR for LIQUID PROPANE GAS DETECTOR LPG catalytic GD105C-CT , GD106C-CT or GD105A-CT, GD106A-CT

W4315-C4H10
HEAD GAS SENSOR for BUTHANE GAS DETECTOR catalytic GD101C-CT or GD101A-CT

SD³

A world of fire detection equipment

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