# CATALOGUE



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

www.sd3.fr

A world of fire detection equipment



Dear customer,

**SD³** is very proud to introduce our new catalogue to you.
New products, new design, fluent explanations and system views have been our leitmotiv for this latest realisation.

You will find inside a synthetic view of how **SD³** works and how it has progressed.

This edition has been enriched with an enlarged range of products in order to always supply the most complete offer in fire alarm systems.

The European standard and CE CPD certifications become more and more essential to be recognised as a trustful manufacturer. **SD³** constantly aims to meet the latest rules and standards to deliver an ***updated passport certification.***

Our factories SEFI and FARE, pillars of **SD³**, are now in a new modernised building including cutting-edge manufacturing and logistic processes.

All this organisation enables us to expand our presence on the market and to get your confidence to build an excellent partnership.

We wish you the best future with **SD³**.

Bernard Mongelli
Managing Director



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# SD³ Presentation

## THE COMPANY

Founded in 2002, **SD³** Security Detection Direct Distribution belongs to the 1st French fire detection systems factories :

- **FARE** that designs and manufactures the whole range of detectors.

- **SEFI** that designs and manufactures the whole range of fire alarm panels.

**SD³** represents their export department all over the world.

We use the concept of **direct delivery from factories**, providing **flexibility** and **competitivity**.




**CERTIFICATIONS**
Our EN54 and CE certification according to CPD by a notified body is an export passport to build partnerships.

**MADE IN FRANCE**














## PRODUCTS *A complete range for many applications.*

SD³ offers a complete range of fire detection products dedicated to:

- **Installers specialized in security systems**
- **Distributors with technical assistance**
- **Security systems manufacturers.**

As we are a flexible structure directly in contact with factories and R&D departments, we are able to meet all your requirements to match your market.

Moreover, we are able to **customize** your products **with your own brand, logo, and language.**

## SERVICES *Reactive and quality services.*

**Commercial department :** our reliable sales team is able to inform and advise you, adapting our offers to each application.

**Technical support :** our technical support team is able to answer all your questions and organize trainings all over the world in order to help you get the right knowledge on the whole SD³ products range.

**Marketing department :** our marketing team is ready to provide you all necessary tools and useful information to introduce our range in your country.

**Logistic support :** our professional experts are able to inform you step by step about the logistical process, from your order to the delivery.

# SD³ ORGANISATION

First French
group manufacturer

## FIRE ALARM SYST

**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 customise them for SD³ partners thanks to a professional and dynamic staff.

FARE CERTIFICATIONS :

ISO / AFNOR / BOSEC / 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 / VDS / CPD by notified body



**Gas detectors and panels, Power supply**
**Location: Verona ITALY**



## CUSTOMERS

### EXPORT DEPARTMENT

**Commercial relationships**
**Technical trainings**
**Assistance**
**Distribution under the factories brand all over the world**
**Location : Massy (Paris) FRANCE**

## EM FACTORIES

**SD³ view of factories and logistic**



**Accessories**
**Location: Massy (Paris) FRANCE**

# CONVENTIONAL GENERAL VIEW

See on

## ALPHA 2
2 conventional zones panel



Line 1

Line 2



Option :SR2/24
2 relays board

## ALPHA 4/8/12
From 4 standard zones expandable to 12 zones conventional panel



Batteries



Line 1

Line 2

Line 3

Line4

Monitored sounders line





Remote indicator panel ( for all panels)
TR-SDI / TRI-10

Manual call point
DMCL05



reset key

Options



VPDM
transparent double action lift-up cover



PEDM
Plastic frame for flush mounting

Waterproof housing box + MCP



STS6535



DLFB C
Beam detector

1 max by line

E.O.L resistor

AL resistor

HC 68 or HC 105 heat detection cable

E.O.L resistor

24Vdc

Gas detectors GDxxC

E.O.L resistor

Sounder



AVS 2000/R

Voice sounder



DSV110/W

Sounder + flash



AVS2000 FLASH

Alarm panel




P7264

Sounder



AVS FLASH

E.O.L resistor




DEAG
( Only for Alpha 4/8/12)
1 zone for extinguishing expansion



2 rooms available
(for expansion boards)



EX4A4
4 zones

EX4A4ex
4 zones for EEX detectors

External power supply



Extinguishing actuator



Evacuation: Sounders + panels





Low pressure



1 relay contact

Release



Abort



Monitored lines

## ALPHA 16/248
From 16 standard zones expandable to 248 zones conventional panel



Line 1

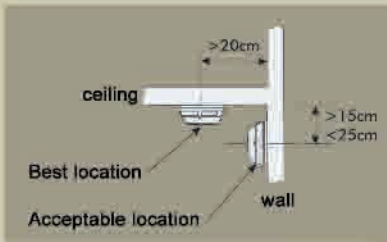
Line 248

Options

EX8Z
8 zones expansion board

EX8R
8 zones ways relay board

## DOMESTIC SMOKE ALARM DETECTOR

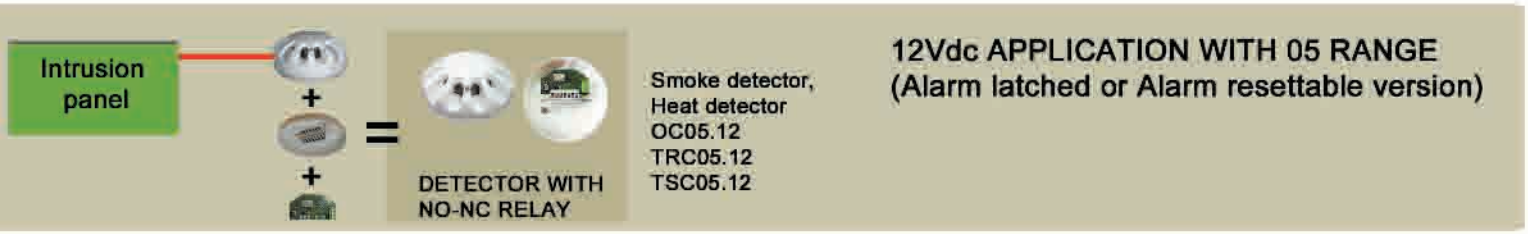


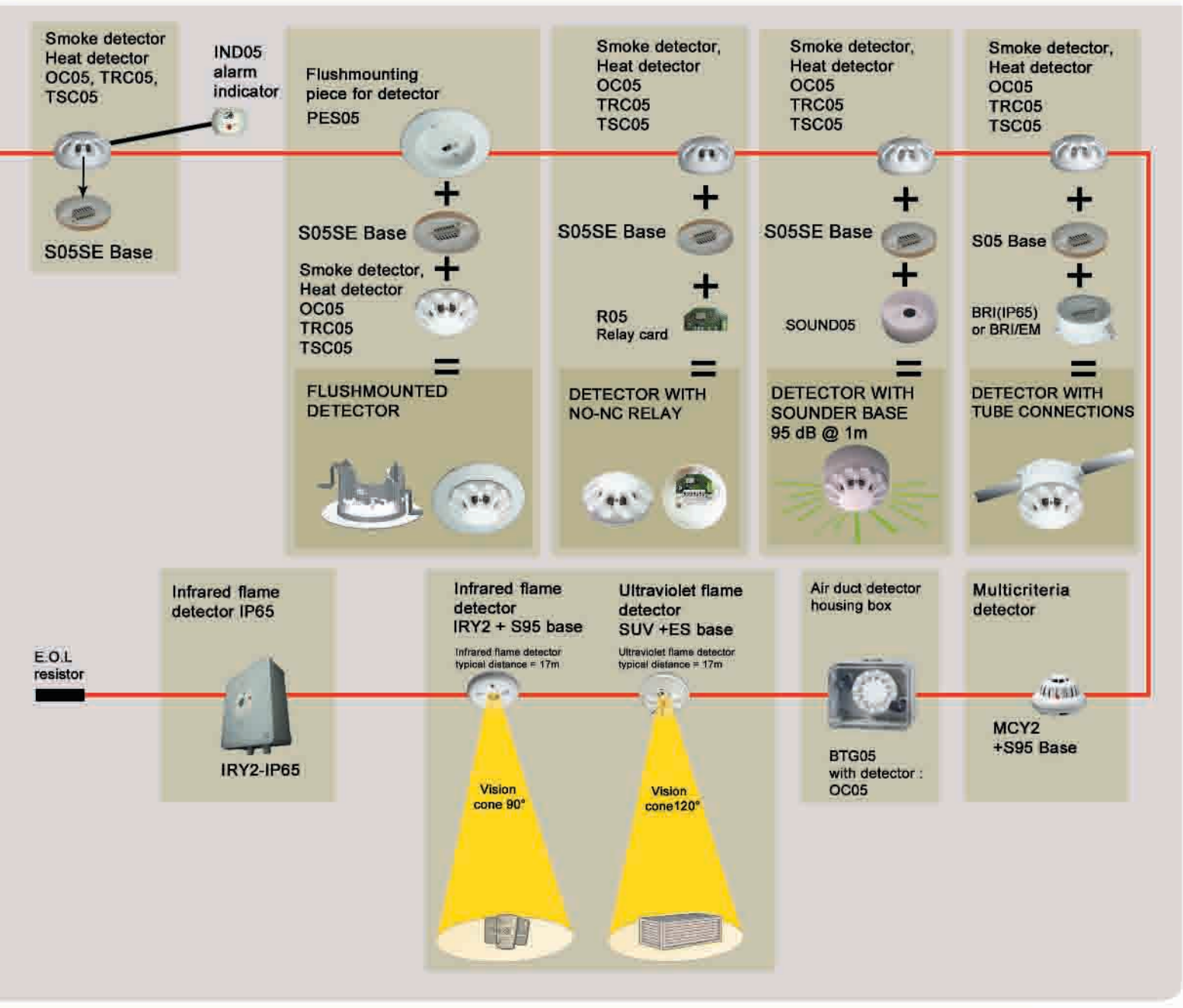


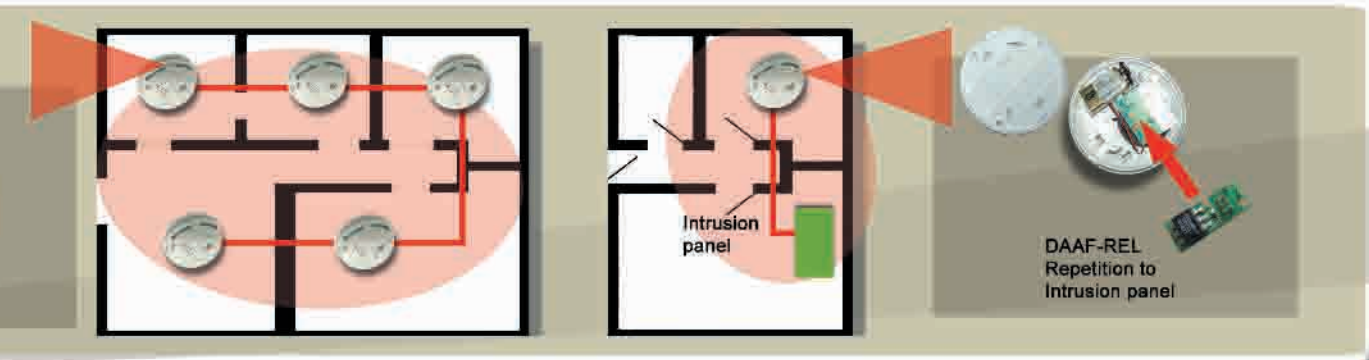

DAAF-INTER
Interconnection of Vesta detector



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



# 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 + 3 output relays and 1 programmable open collector. Alarm prealarm management. Compact panel not expandable. Needs 2 internal batteries 12V/4Ah

## ALPHA 2 — Options

### 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 (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

## ALPHA 4/8/12 — Options

### 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)

### EX4A4ex



4 ZONES EXPANSION BOARD Ex VERSION to be used with explosion hasard area detectors, max 10 detectors per line, 1 or 2xEX4A4ex can be plugged in ALPHA4/8/12 and permits to include max 8 intrisically detector zones

### DEAG



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

### 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

### 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

### R7P2



7 WAYS 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 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

# PANELS

## From 16 up to 248 zones

## ALPHA 16/248



### 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

### EX8Z



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

### 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 for panels




### TR-SDI

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




### TRI 10

10 ZONES REMOTE INDICATOR PANEL with leds and function keys, permits to repeat fire alarm zones, local test leds and silence buzzer

# 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+S05


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

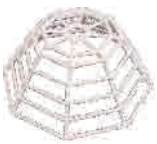

PROTECTION PLATE for S05 base, permits to cover a base without detector.

### BRI/EM +S05


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

### BRI + S05


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

### GAV


ANTIVANDALISM protection grid

## FIRE DETECTORS



### MCY2+S95

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



### IRY2+S95

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



### IRY2-IP65

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

## 05 MCP

## 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 MCP



### STS6535

WATERPROOF IP65 HOUSING BOX for conventional and addressable manual call point with reset (call point not included)



## AIR DUCT DETECTION



### BTG05-P5901

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

## STAND ALONE SMOKE ALARM

### VESTA



### VESTA

DOMESTIC PHOTOELECTRIC SMOKE ALARM DETECTOR with 9V battery, **CE EN14604 according to CPD**

### VESTA — Accessories

### DAAF-REL



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

### DAAF-INTER



PLUG IN CARD for 2 wires interconnection, permits to connect one or more VESTA in 2 wires network

## 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

# ADDRESSABLE GENERAL VIEW

See on

## HEPHAIS 128
From 1 to 128 addresses

1st POSSIBILITY:
4 open lines,
max 32
detectors/line

2nd POSSIBILITY:
128 addresses max
dispatched on 2 loops



Options



ALPHA RE
Remote user
interface panel



TELEHEPHAIS 128
Programming tool



IMP/E Serial printer

## HEPHAIS 1600 NE
From1 to 400 addresses

Options



TELEHEPHAIS 1600
Programming tool



IMP/E Serial printer

2 loops:
200 addresses/loop



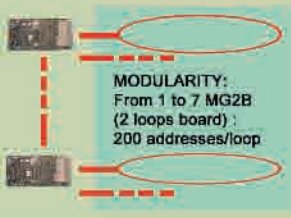


ALPHA RE
Remote user
interface panel

## HEPHAIS 1600
From1 to 1600 addresses
Up to 16 loops



BASE: 2 loops
(200 addresses/loop)



MODULARITY:
From 1 to 7 MG2B
(2 loops board) :
200 addresses/loop



IE2M necessary
if > 10 loops needed

Options



RFH1600
Remote user interface control
and command panel



ALPHA RE
Remote user
interface panel



TELEHEPHAIS 1600
Programming tool



MAPSKIT
Monitoring software



IMP/E
Serial printer

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



STS6535
+
DMA05

Addressable loop:
128 addresses max
for HEPHAIS 128
200 addresses max for
HEPHAIS 1600 NE
and HEPHAIS 1600

Sounder



AVS
2000/R

Voice sounder



DSV110/W

Sounder
+ flash



AVS2000
FLASH

Alarm panel

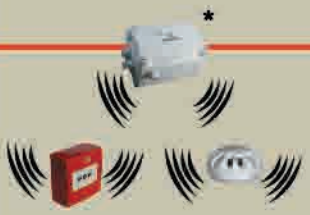



P7264

Monitored
sounders line

* Only for HEPHAIS 1600 NE and HEPHA

Wireless solutions
OI05 , OA05-W,
DMA05-W



Addressable sounder
AVSA 05, 95db@1m



Intelligent/interactive
air sampling detector
DFA05

24Vdc



Network tubes

HEPHAIS 1600-400/L



MGNET
network
card



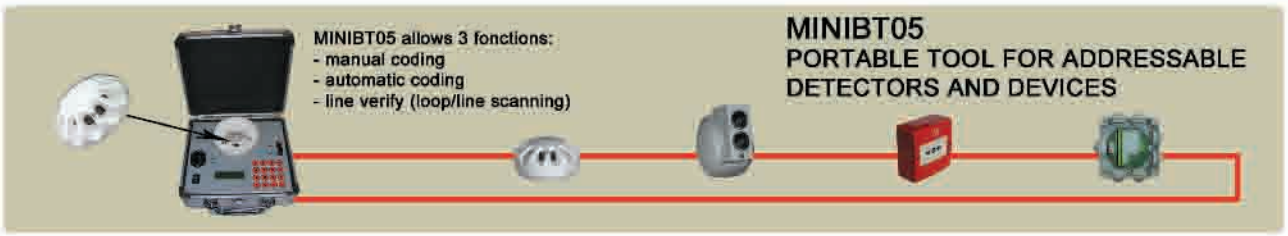
HEPHAIS 1600-400/S BB

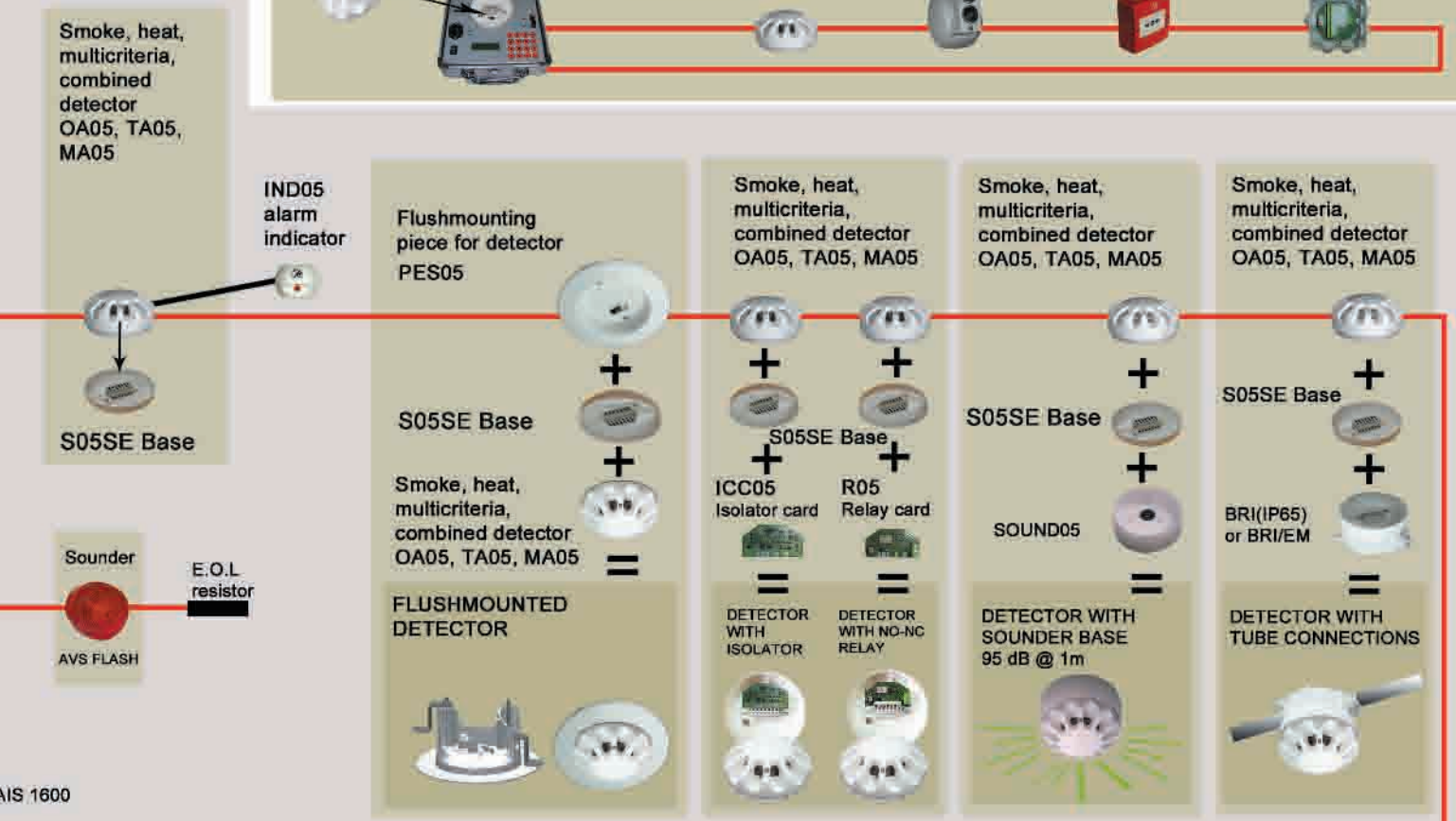


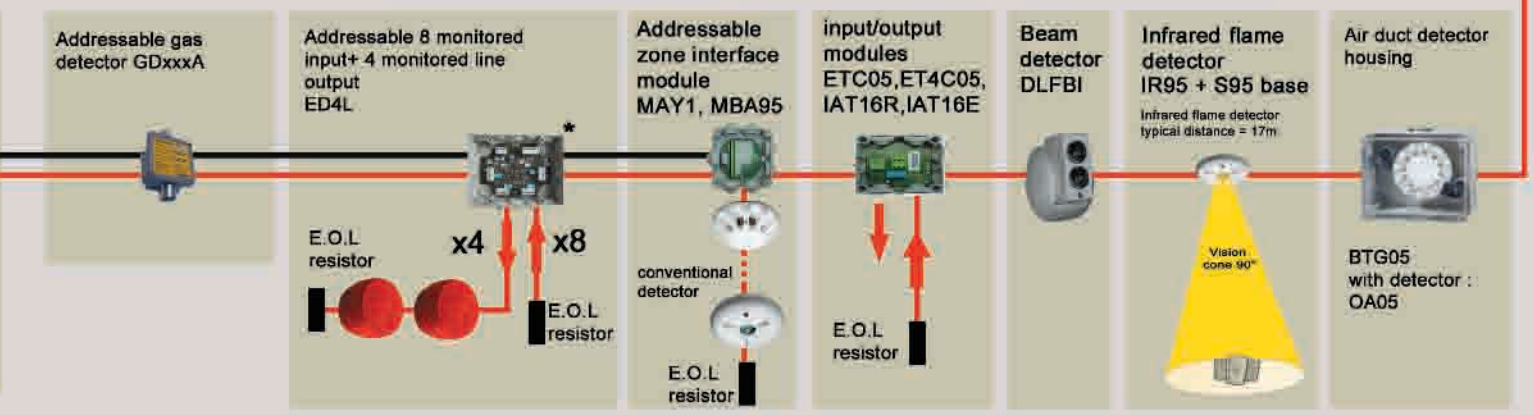
MGNET
network
card

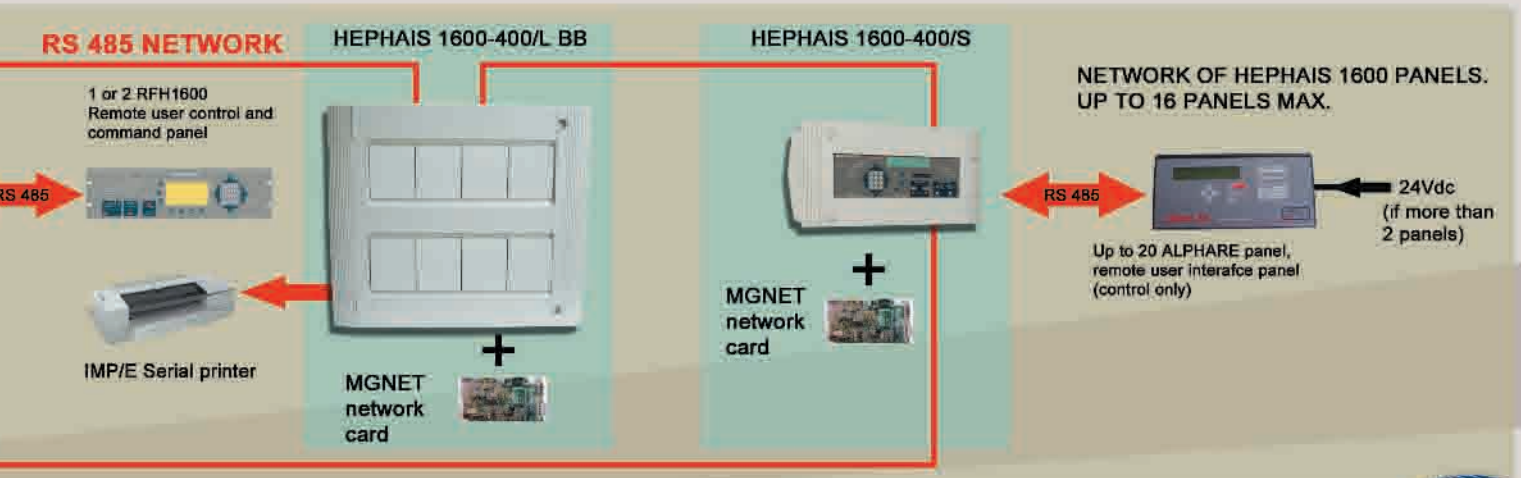


RS 485 NETWORK


MINIBT05 allows 3 fonctions:
- manual coding
- automatic coding
- line verify (loop/line scanning)
MINIBT05
PORTABLE TOOL FOR ADDRESSABLE DETECTORS AND DEVICES


Smoke, heat, multicriteria, combined detector OA05, TA05, MA05
IND05 alarm indicator
S05SE Base
Sounder
E.O.L resistor
AVS FLASH
Flushmounting piece for detector PES05
S05SE Base
Smoke, heat, multicriteria, combined detector OA05, TA05, MA05
FLUSHMOUNTED DETECTOR
Smoke, heat, multicriteria, combined detector OA05, TA05, MA05
S05SE Base
ICC05 Isolator card
R05 Relay card
DETECTOR WITH ISOLATOR
DETECTOR WITH NO-NC RELAY
Smoke, heat, multicriteria, combined detector OA05, TA05, MA05
S05SE Base
SOUND05
DETECTOR WITH SOUNDER BASE 95 dB @ 1m
Smoke, heat, multicriteria, combined detector OA05, TA05, MA05
S05SE Base
BRI(IP65) or BRI/EM
DETECTOR WITH TUBE CONNECTIONS


Addressable gas detector GDxxxA
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
Infrared flame detector IR95 + S95 base
Infrared flame detector typical distance = 17m
Vision cone 90°
Air duct detector housing
BTG05 with detector : OA05


RS 485 NETWORK
HEPHAIS 1600-400/L BB
HEPHAIS 1600-400/S
NETWORK OF HEPHAIS 1600 PANELS. UP TO 16 PANELS MAX.
1 or 2 RFH1600 Remote user control and command panel
RS 485
IMP/E Serial printer
MGNET network card
MGNET network card
RS 485
Up to 20 ALPHARE panel, remote user interafce panel (control only)
24Vdc (if more than 2 panels)

# INTELLIGENT/INTERACTIVE PANELS AND DETECTORS

## PANELS

### From 1 to 128 addresses



#### HEPHAIS 128

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, 128 ADDRESSES, 2 master loops or 4 spur 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

### HEPHAIS 128 — Options

#### 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

#### ALPHA RE



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

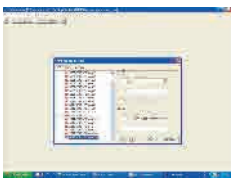
### From 1 to 400 addresses



#### HEPHAIS 1600 NE

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, NOT EXPANDABLE, 400 ADDRESSES, 2 master loops or 4 spur circuits (open circuit with max 32 addresses), 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 , needs 2 internal batteries 12V/12Ah. EN54-2, EN54-4, CE according to CPD

#### TELEHEPHAIS 1600



SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600

### HEPHAIS 1600 NE — Options

#### 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

#### 4ISOL



SPLITTING MASTER 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)

#### X4EVAC



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

#### ALPHA RE



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

# INTELLIGENT/INTERACTIVE PANELS AND DETECTORS

## 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), EN54-2, EN 54-4, **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, 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), EN54-2, EN 54-4, **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

### Options

**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

**MGNET**



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

**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.

**RF H 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

**ALPHA RE**



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

**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

# INTELLIGENT/INTERACTIVE PANELS AND DETECTORS

## PANELS

### From 1 to 1600 addresses



### 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), EN54-2, EN 54-4, **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**



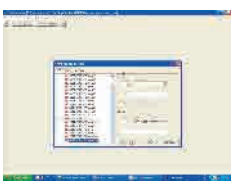
### HEPHAIS 1600-400/S BB

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), EN54-2, EN 54-4, **in small 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/12Ah. **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 master loops (max 200 adresses/loop) or 4 spur circuits, expandable up to 7 x MG2B (loop boards), EN54-2, EN 54-4, **in large metallic 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**



### TELEHEPHAIS 1600

SOFTWARE PROGRAMMING TOOL for HEPHAIS 1600

### 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

### X4EVAC



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

### 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

### 4ISOL



SPLITTING MASTER 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)

# INTELLIGENT/INTERACTIVE PANELS AND DETECTORS

## 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**

### Bases

**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+S05**



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

**ICC05**



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

**STRAPP**



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

**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 +S05**



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

**BRI + S05**



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**

### Accessories

**PEDM**



PLASTIC FRAME for flush mounting MCP

**VPDM**



TRANSPARENT LIFT-UP protective cover for MCP, permits a double action

**KCTDM**



KIT OF 10 RESET KEYS for 05 MCP

### Addressable waterproof manual call point



**STS6535**

WATERPROOF IP65 HOUSING BOX for conventional and addressable manual call point with reset (call point not included)

## LOOP SOUNDERS



**AVSA05/W**

ADDRESSABLE HIGH POWERED PIEZOELECTRIC SOUNDER for indoor use (white colour), integrated isolator, possibility to select 6 tones, 95db@1m, lateral hearings, loop powered, for HEPHAIS range



**AVSA05/R**

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 range

# INTELLIGENT/INTERACTIVE PANELS AND DETECTORS

## 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

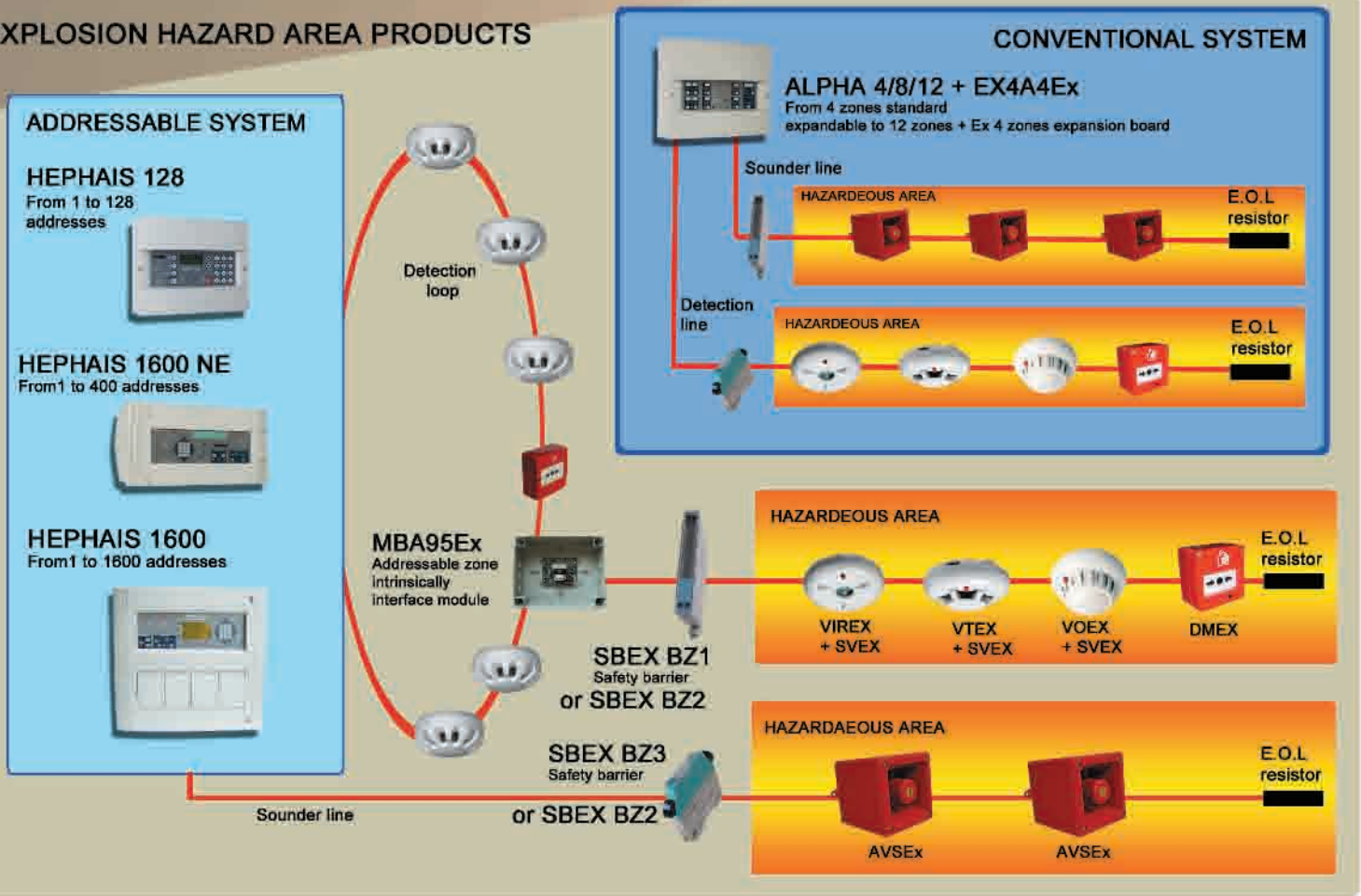
## PROGRAMMING AND MAINTENANCE TOOL



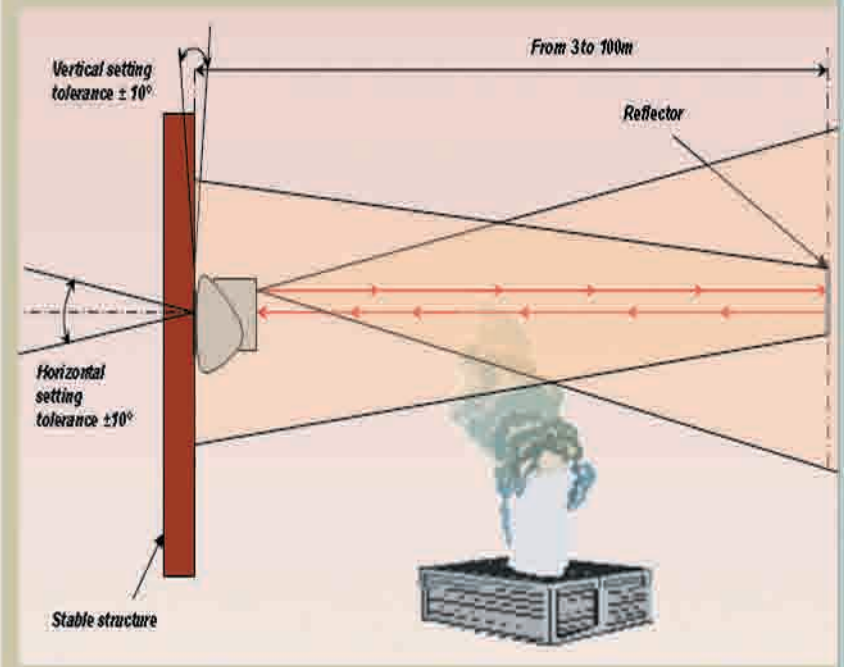
### MINIBT05
Portable tool for programming / test / maintenance of detectors and addressable devices (for 05 range)

# SPECIFIC PRODUCTS GENERAL VIEW

## EXPLOSION HAZARD AREA PRODUCTS




## LINEAR SMOKE DETECTOR

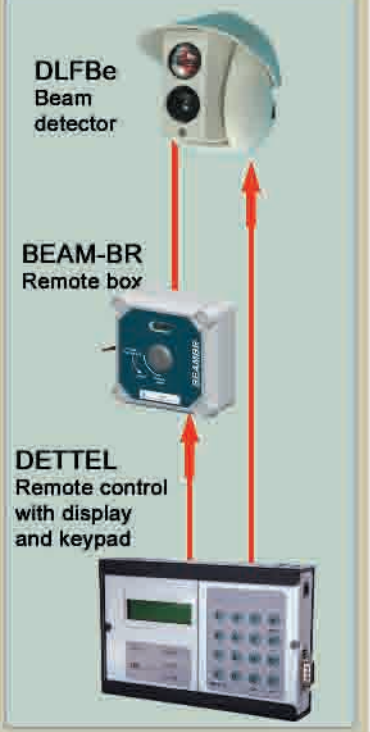



9 reflectors 10cm x 10cm are supplied with the DLFBe.

REFLECTOR 10cm x 10cm distance : from 3 to 60 meters

REFLECTOR 20cm x 20cm distance : from 60 to 80 meters

REFLECTOR 30cm x 30cm distance : from 80 to 100 meters



## AIR SAMPLING DETECTION

### CONVENTIONAL AIR SAMPLING DETECTION

**ALPHA 4/8/12**
From 4 zones standard expandable to 12 zones



### ADDRESSABLE AIR SAMPLING DETECTION

**HEPHAIS 128**
From 1 to 128 addresses



**HEPHAIS 1600 NE**
From1 to 400 addresses



**HEPHAIS 1600**
From1 to 1600 addresses

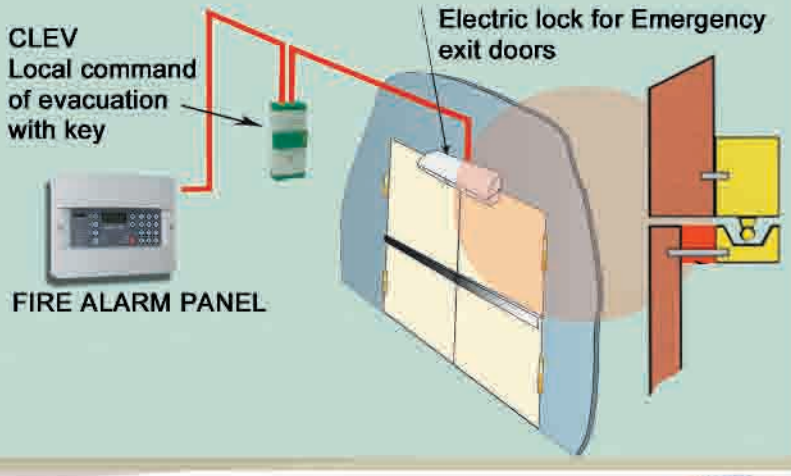





## VOICE EVACUATION




## EMERGENCY DOORS



# LINEAR SMOKE DETECTORS

## DLFB



### 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, CE according to CPD**

### DLFBe C

CONVENTIONAL BEAM DETECTOR, 2 wires(line powered) for linear smoke detection supplied with reflector for distance from 3 up to 100 meters, visible ray for alignment, **EN54-12, CE according to CPD**

### 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, 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 wires connections to the beam

### BEAM-KIT4CC



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

# AIR SAMPLING DETECTION

## 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

INTELLIGENT/INTERACTIVE 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

INTELLIGENT/INTERACTIVE DUAL CHANNEL HIGH SENSITIVITY 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



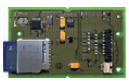
HIGH SENSITIVITY SMOKE DETECTOR MODULE with alarm sensitivity range from **0,002%**/m to 10%/m to be plugged in DFA05

### 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

# AIR SAMPLING DETECTION

## 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)

## FIRE LOCALISATION DEVICE



### TP2S
FIRE LOCALISATION DEVICE HEAD , this device connected to aspirating pipe with high sensitive detector (DFA05) permits to address the air sampling point(s). Detector with double detection, led integrated P65. To be completed with SP2S



### SP2S
FILE LOCALISATION DEVICE BASE for wire connection to the fire alarm panel and connection for the aspirating type.IP65.To be completed with TP2S

## Options

### R05


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

## 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 Small for FBS 25 PC



### MV 25 ABS
Manual ball valve Ø 25 mm, ABS

## 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**
FIRE PROOF 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**
FIRE PROOF PIPE CLIP for 25mm tube, red colour, (Qmin =50)



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



**PMTU**
SAMPLE POINT 8mm



**PMC**
CONIC SAMPLE POINT, (Qmin =10)



**PMPT**
PLATE SAMPLE POINT vith nut, (Qmin =10)



**PMP**
PLATE SAMPLE POINT vith 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)

# EXPLOSION HAZARD AREA PRODUCTS



## 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



## DMEX
CONVENTIONAL MANUAL CALL POINT with reset key , Ex version



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



## 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**



## 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**



## SBEX BZ3
SAFETY BARRIER dedicated exclusively for intrisically safe sounders

# WIRELESS SOLUTIONS



## OA05-W

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



## DMA05-W

WIRELESS MANUAL CALL POINT, **EN54-11 , EN54-25, CE according to CPD**



## OI05

MONITORING MODULE can be connected on HEPHAIS 1600 ,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

# ACCESSORIES FOR FIRE SYSTEMS



## IND05
REMOTE ALARM INDICATOR angle of vision = 180°

## IND05E
WATERPROOF REMOTE ALARM INDICATOR angle of vision = 180°



## AVS 2000/W
HIGH POWERED PIEZOELECTRIC SOUNDER for INDOOR use (white colour), possibility to select 6 tones, lateral hearings, 95db@1m, **EN54-3 according to CPD**



## 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**



## AVSU EFP
HIGH POWERED PIEZOELECTRIC SOUNDER for OUTDOOR , 114db@1m, IP65, **EN 54-3 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



## 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



## S/EKO F24
SELF POWERED OUTDOOR SOUNDER WITH FLASH, IP34, 24 Vdc




## P7232
OPTICAL ACOUSTIC ALARM PANEL **WITH BUZZER** lighting with high luminosity LED, 12V/24Vdc, IP55

## P7236
SELF-POWERED OPTICAL ACOUSTIC ALARM PANEL **WITH BUZZER** lighting with high luminosity LED, 12V/24Vdc, IP55

## P7264
OPTICAL ACOUSTIC ALARM PANEL **WITH SOUNDER**, lighting with high luminosity LED IP55

## 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



## P7268
SELF-POWERED OPTICAL ACOUSTIC ALARM PANEL **WITH SOUNDER**, lighting with high luminosity LED IP43

## P7260
OPTICAL ACOUSTIC ALARM PANEL **WITH SOUNDER**, lighting with high luminosity LED, 12V/24Vdc, IP65

# ACCESSORIES FOR FIRE SYSTEMS



## 4476-24
RED INTERNAL BELL, diameter 150mm, 93 db, 24Vdc



## 4479-24
RED EXTERNAL BELL, 6 inches diameter ,93 db, 24Vdc



## ALTO-DA1B00X
INFORMATION AND DIRECTION LIGHTING, IP40, sustained double sided 3 hours, wall mounted (exists also ceiling mounted) , operating voltage 230VAC/50hz, IP40



## MARINA-DA3B0X
EMERGENCY LIGHT NON-MAINTAINED SINGLE SIDED 3 hours (exists also in sustained), IP65, operating voltage 230VAC/50HZ



## FENER-2210107X
EMERGENCY LIGHT 1 hour (exists also in 3 hours), 2 halogen lamps 20W (exists also with 1), 12V 7Ah battery



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

## 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



## GSM 31 GPRS
GSM/GPRS communicator (with metal enclosure, GSM antenna and power supply)



## USB/232
CONVERTER MODULE USB/232

# MONITORING SOFTWARE

## MAPSKITALPHA-HEPHAIS



### 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

## Options

### MAPSPLUSALPHA-HEPHAIS

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

## MAPSKITALPHA-HEPHAIS FOR NETWORK



### MAPSKITALPHA-HEPHAIS NET

NET VERSION BASE REMOTE MAP MONITORING SOFTWARE (to be completed with MAPSPLUSALPHANET), compatible with addressable ALPHA 500/1000 or HEPHAIS 1600 panels

## Options

### MAPSPLUSALPHA-HEPHAIS NET

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

### MAPSPLUSALPHA-HEPHAIS NET4

NET VERSION ADDITIONAL LICENSE for management of 4 panels, compatible with addressable ALPHA 500/1000 or HEPHAIS 1600 panels

### JBUS/IP

TCPIP INTERFACE for analogue panels (MA53 422/232 converter + Procontroller 232/TCPIP converter)

### JBUS/IP/4

TCPIP interface for 4 analogue panels (MA53 422/232 converter + Procontroller 232/TCPIP converter)

## CONVERTERS

## Serial converter



### MA53

CONVERTER MODULE RS232/RS422 with power supply

## Optic fiber converter



### CONCUFI

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

# HEPHEA POWER SUPPLY RANGE



## 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 248

POWER SUPPLY IN BOX 24V-8A, including output relays for mains fault and battery fault, metallic box 405x385x160mm, **EN54-4 (A2), CE according to CPD**

## 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**

## AL124H-CP01

POWER SUPPLY IN PLASTIC BOX 24V-1A, including output relays for mains fault and battery fault



## AL424H-CM01E

POWER SUPPLY IN METALLIC BOX 24V-4A, 265x405x140mm, including output relays for mains fault and battery fault

## AL1024B-CM03

POWER SUPPLY IN METALLIC BOX 24V-10A, 405x390x165mm, including output relays for mains fault and battery fault

## RACK VERSION



## AU224/A2/R

POWER SUPPLY IN RACK VERSION 24V-2A, including output relays for mains fault and battery fault, 19inches, 3U

## AU424/A2/R

POWER SUPPLY IN RACK VERSION 24V-4A, including output relays for mains fault and battery fault, 19inches, 3U

## CONVENTIONAL GAS DETECTORS



### GD100C
CONVENTIONAL METHANE GAS DETECTOR, CH4, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply

### GD102C
CONVENTIONAL PETROL STEAM GAS DETECTOR, IP55, can be directly connected on ALPHA panel, alarm and prealarm resistors integrated, needs external power supply

### GD104C
CONVENTIONAL HYDROGENE GAS DETECTOR, H2, IP55, alarm and prealarm resistors integrated, needs external power supply

### GD105C
CONVENTIONAL LIQUID PROPANE GAS DETECTOR, LPG, IP55, alarm and prealarm resistors integrated, needs external power supply

### GD106C
CONVENTIONAL PROPANE GAS DETECTOR, C3H8, IP55, alarm and prealarm resistors integrated, needs external power supply

### GD109C
CONVENTIONAL ACETILENE GAS DETECTOR, C2H2, IP55, alarm and prealarm resistors integrated, needs external power supply

### GD113C
CONVENTIONAL CARBON MONOXIDE GAS DETECTOR, CO, IP55, ELECTROCHEMICAL CELL, alarm and prealarm resistors integrated, needs external power supply

## Accessories

### GDREL


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

### DETTEL


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

### P7150V


TEST KIT GAS DETECTORS (valve + adapter)

### 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

## ADDRESSABLE GAS DETECTORS



### GD100A
ADDRESSABLE METHANE GAS DETECTOR, CH4, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

### GD102A
ADDRESSABLE PETROL STEAM GAS DETECTOR, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

### GD104A
ADDRESSABLE HYDROGENE GAS DETECTOR, H2, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

### GD105A
ADDRESSABLE LIQUID PROPANE GAS DETECTOR, LPG, IP55, can be directly connected on HEPHAIS loops, integrated isolator, needs external power supply

### GD106A
ADDRESSABLE PROPANE 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

### DETTEL


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

### P7150V


TEST KIT GAS DETECTORS (valve + adapter)

### MEGAS


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

### COGAS


CARBON MONOXID GAS TEST BOTTLE, 250ppm, 12 liters

### VPGAS


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

# EXPLOSION PROOF GAS DETECTION

## Flammable gas



### SD2243ME
**Exd** METHANE GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2243VB
**Exd** PETROL STEAM GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2243BU
**Exd** BUTANE GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2243PR
**Exd** PROPANE GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2243GP
**Exd** LPG GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2243H2
**Exd** HYDROGEN GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

### SD2244AM
**Exd** AMMONIAC GAS DETECTOR, 0-100% LEL, εx 2GD Ex d IIC T6 Ex tD A21 IP65 T 85°C

## Toxic gas

### SD2245O2
**Exd** OXYGEN GAS DETECTOR, 0-200 ppm, εx 2GD Ex d IIC T6 IP65



### SD2246AM
**Exd** AMMONIAC GAS DETECTOR, 0-200 ppm, εx 2GD Ex d IIC T6 IP65

### SD2247AM
**Exd** AMMONIAC GAS DETECTOR, 0-1000 ppm, εx 2GD Ex d IIC T6 IP65

## Accessories

### 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

### ZMCAP


Calibration adapter

### STS/CKD


Calibration keypad to adjust the detector zero and span values

# MARINE

## ADDRESSABLE PANELS

### From 1 to 128 addresses



#### HEPHAIS 128-M

INTELLIGENT/INTERACTIVE COMPACT CONTROL PANEL, 128 ADDRESSES, 2 loops or 4 spur 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, Marine Bureau veritas approved**

### From 1 to 1600 addresses



#### HEPHAIS 1600-400/LPM-M

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 10 LOOPS - supplied as standard for 400 points on 2 loops (max 200 addresses/loop) or 4 spur circuits, EN54-2, EN 54-4, **in large metallic 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, Marine Bureau veritas approved**

## ADDRESSABLE DETECTORS



#### OA05-M

INTELLIGENT/INTERACTIVE OPTICAL SMOKE DETECTOR, microprocessor based , 1 programmable remote alarm indicator output, 8 levels sensitivity setting, **EN54-7 edition 2000, CE according to CPD, Marine Bureau veritas approved**



#### TA05-M

INTELLIGENT/INTERACTIVE HEAT DETECTOR, static or/and rate of rise, microprocessor based , 1 programmable remote alarm indicator output, 6 levels sensitivity setting, **EN54-5 edition 2000, CE according to CPD, Marine Bureau veritas approved**



#### S05SE

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



#### BRI + S05

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



#### ICC05

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



#### DMA05-M

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



#### ETC05-B-M

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), **Marine Bureau veritas approved**



#### MBA95-M

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, Marine Bureau veritas approved**

# VOICE EVACUATION SYSTEMS



## SEV-C

VOICE EVACUATION CENTRAL PANEL, manages max 8 speakers, connected to monitored sounder line or relay contact, needs 24Vdc external power supply, 30s of message + 4s of sound of sounder

## SPEAKERS



## STR50

SATELLITE SPEAKER 105db, max 8 per line



## STR44

SATELLITE SPEAKER 115db, max 8 per line



## SNR35

SATELLITE SPEAKER 125db, max 4 per line

## VOICE SOUNDERS



## DSV110/W

HIGH POWERED VOICE SOUNDER 100db@1m, (8s message), white colour, can be directly connected on sounder lines



## PROG DSV 110

BOARD FOR programming the voice message

# ELECTRIC LOCK FOR EMERGENCY EXIT DOORS



**DS3000**
ELECTRIC LOCK FOR EMERGENCY exit doors with single action



**DS3000 2VTX**
ELECTRIC LOCK FOR EMERGENCY exit doors with double actions



**CLEV**
LOCAL COMMAND of evacuation with key

# FIRE ALARM CABLE



**S-3ANT2050**
2x0,5 mm2 (diam 0,8) cable , twisted with screen, polyvinylchloride rated , flame retardant, red colored (rolls by 200m)



**S-3ANT2010**
2x1,00 mm2 cable , twisted with screen, polyvinylchloride rated , flame retardant, red colored (rolls by 200m)

## FIRE PROOF CABLE



**S-AFU2015**
2x1,5 mm2 cable ,insulated with flame barrier, fire resistant 750°C according to IEC60331, red colored (rolls by 200m)

# MAINTENANCE EQUIPMENT

## 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

## 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

**ALBA150**
POWER SUPPLY FOR HEPHAIS 1600

# MAINTENANCE EQUIPMENT

## 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), for 95 detectors range

### 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

### TPA95
Analogue/addressable fixed heat detector, EN54-5

### OTA95
Analogue/addressable multicriteria (optical-heat) detector EN54-7

### S95
Universal base for conventional and analogue detectors

### DLFB A
ADDRESSABLE 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, for ALPHA 500/1000 panels

# CATALOGUE



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