



# HEPHAIS 1600 COMFORT

Interactive fire detection control panel with TFT color graphic display

- **Maximum 1600 addresses on 16 loops**
- **Networkable up to 16 panels**
- **TFT color graphic display**
- **EN54-2, EN54-4, EN54-13**
- **CE Certified according to CPD**

**HEPHAIS 1600 COMFORT** is a **MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL** able to manage a maximum of 1600 addresses, on a maximum of 16 LOOPS.

The panel is supplied as standard for 400 points on 2 master loops (max 200 addresses/loops) or 4 open circuits and it is expandable up to 7 x MG2B (loop boards).

The reference is available in large box or small box.

It is equipped with integrated **USER INTERFACE FRONT PANEL** (command and control) **TFT COLOR GRAPHIC DISPLAY 4.3** inches and keyboard.

**HEPHAIS 1600 COMFORT** is able to monitor up to 1000 zones and saving 2700 memory events. The panel is equipped with RS422 JBUS monitoring output for supervision and is networkable with MGNET board.

On the front panel is available a **TCPIP connection** for safe remote monitoring interface.

Also available **USB port** on the front panel to get the memory events history file, amongst other features.

**HEPHAIS 1600 COMFORT** is **EN54-2, EN54-4 and EN54-13** certified and **CE** according to **CPD**

Adapted to a large scale of application, **HEPHAIS 1600 COMFORT** can answer to requirements of buildings like hotels, retiring houses, schools, but also small industries and manufactures, storage houses, office buildings, back office centres, thanks to its various and numerous outputs allowing many signalling and command orders.



## Main characteristics

- 1600 addressable devices max. on 16 loops
- 1000 zones, 400 groups of command
- Base: 2 loops (200 addr./ loop) or 4 open circuits
- Jbus protocol for remote monitoring software
- **TFT COLOR GRAPHIC DISPLAY**
- **USB port** on front panel for memory events files
- **TCP/IP connection** for remote management
- Addressable sounders management
- **Downloading and Uploading** software
- Interactive management with pictures and colors for events
- Algorithm scheduled manager



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<b>Electrical specification</b>	
Mains supply voltage	230Vac (-15%,+10%), 50Hz or 60Hz
Operating voltage	26,4V to 29 Vdc
Wiring	2 x (0,5 to 1,5) mm <sup>2</sup> twisted shielded / Length = 2000m max
Batteries	2 x 12V/7-24Ah
Autonomy without mains	1 hours in alarm (command)
Autonomy for data storage out of voltage	> 7 days
Data storage	Non volatile memory (Eeprom)
Maximum current supplied	5 A
<b>Mechanical characteristics</b>	
Dimensions (mm) / weight (without batteries) Small box	600 x 325 x 175 (H x W x D) / 8Kg (without batteries)
Dimensions (mm) / weight (without batteries) Large box	530 x 525 x 230 (H x W x D) / 12Kg (without batteries)
Material/colour	Metallic and ABS 5V/RAL 7035
<b>Climatic characteristics</b>	
Operating temperature / Storage temperature	-10°C to 50°C
Operating relative humidity / Storage relative humidity	≤ 93% R.H./ ≤ 80% R.H.
<b>Inputs/outputs</b>	
Base: Max number of points / Max number of zones	400 points/1000 zones
Base: Fire detection lines	2 loops or 4 open lines
Fire alarm management	Alarm, pre alarm, alarm confirmation, hours management day/night mode
Memory events	Up to 2700 events with date and hours
Programmable outputs (fire alarm, fault, test zone, disabled point...)	3 x free contact relay outputs 50V/0,3A
Programmable inputs (power. supply fault, reset, sounders activation...)	2 x monitored inputs for external event management (fault, reset...)
Serial communication ports	RS232 communication port programming with PC RS422 communication port for Jbus protocol for graphic monitoring <b>On front panel</b> RS232 for external printer 2 x RS485 communication port for remote front panel (redundant communication)
Sounders line	2 x monitored outputs 30V/1A (for the 2 lines)
External power supply output	1 x 24V/0,5A
<b>Internal options</b>	
C20R, 20 way programmable relays board	NO/NC contacts potential free or resistive 50V/0,3A
R7P2, 7 way programmable relays board	NO/NC contacts potential free or resistive 50V/0,3A
R12P2, 12 way programmable relays board	NO/NC contacts potential free or resistive 50V/0,3A
<b>External options</b>	
ALPHA RE remote control and indicating panel	Serial connection (from 1 to 20 panels)





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## THE NEW TFT COLOR GRAPHIC DISPLAY:

The comfort for the user is improved by the use of a display which supplies a **perfect definition of texts** and presence of pictures and **colors** connected to information such as **red** for alarm and **yellow** for faults. A new **touch keypad** increases the speed of activation and visualization.



Alarm visualization



Fault visualization



Details of a point



Main screen

The presence of pictures connected to information helps to recognize immediately the device interested:



Combined detector (smoke and temperature)



Smoke detector



Heat detector



Flame detector



Beam detector



Manual call point



Interface module



Monitoring module



Sounders



Wireless remote indicator



Mains fault



Authorized access





# HEPHAIS 1600 COMFORT

Interactive fire detection control panel with TFT color graphic display

## 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 4.3 inches, 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. TCP/IP connection for safe remote monitoring interface. Needs 2 internal batteries 12V/17Ah or 12V/24Ah. **EN54-2, EN54-4, CE according to CPD**



## HEPHAIS 1600-400 COMFORT /S

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL MAX 1600 POINTS, 10 LOOPS supplied as standard for 400 points on 2 master loops (max 200 addresses/loop) or 4 open circuits, expandable up to 4 x MG2B (loop boards), in small box with integrated USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3 inches, 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. TCP/IP connection for safe remote monitoring interface. Needs 2 internal batteries 12V/12Ah. **EN54-2, EN54-4, CE according to CPD**



### 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

#### REFERENCE

HEPHAIS 1600-400 COMFORT/L

#### DESCRIPTION

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL in large box with integrated USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3 inches, and keyboard, EN54-2, EN54-4, CE according to CPD.

HEPHAIS 1600-400 COMFORT/S

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL small box with integrated USER INTERFACE FRONT PANEL (command and control) TFT COLOR GRAPHIC DISPLAY 4.3 inches, and keyboard, EN54-2, EN54-4, CE according to CPD

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

AJ127

Serial cable for software programming tool

X4EVAC

4 Monitored ways sounder circuit extension board

