

- Maximum 400 addresses on 2 loops
- Configuration possible in 4 lines
- TFT color graphic display
- EN54-2, EN54-4, EN54-13
- CE Certified according to CPD

HEPHAIS 1600 COMFORT NE is a **MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL** able to manage a maximum of 400 addresses, on a maximum of 2 LOOPS.

The panel is supplied for 400 points on 2 master loops (max 200 addresses/loops) or 4 open circuits. The reference is available in 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 NE is able to monitor up to 1000 zones and saving 2700 memory events. The panel is equipped with RS422 JBUS monitoring output for supervision.

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 NE is EN54-2, EN54-4 and EN54-13 certified and CE according to CPD.

Adapted to a large scale of application, **HEPHAIS 1600 COMFORT NE** 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

- 400 addressable devices max. on 2 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



Electrical specification	
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 ² 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
Mechanical characteristics	
Dimensions (mm) / weight (without batteries) Small box	600 x 325 x 175 (H x W x D) / 8Kg (without batteries)
Material/colour	Metallic and ABS 5V/RAL 7035
Climatic characteristics	
Operating temperature / Storage temperature	-10°C to 50°C
Operating relative humidity / Storage relative humidity	≤ 93% R.H./ ≤ 80% R.H.
Inputs/outputs	
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 On front panel 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
Internal options	
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 External of	NO/NC contacts potential free or resistive 50V/0,3A
ALPHA RE remote control and indicating panel	Serial connection (from 1 to 20 panels)





THE NEW TFT COLOR GRAPHIC DISPLAY:

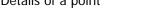
The comfort for the user is improved by the use of a display which supplies a **perfect definition of texts** and presence of pictures and **colors** connected to information such as **red** for alarm and **yellow** for faults. A new **touch keypad** increases the speed of activation and visualization.

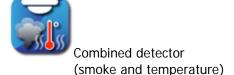


Alarm visualization



Details of a point





Flame detector



Interface module





1 zone in Fire alarm

Fault visualization

L3 Fault



Main screen



Smoke detector

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



Heat detector



Beam detector Manual call point



Monitoring module



Sounders



Mains fault



Authorized access



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 vour own signed protection key, PACK of 3xKEYS, with or without time bomb

TIME BOMB RENEW

RENEWAL of 1 year time bomb



DESCRIPTION REFERENCE

MODULAR INTELLIGENT/INTERACTIVE FIRE CONTROL PANEL small box with integrated USER HEPHAIS 1600-400 COMFORT/S

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

Non contractual document

AJ127 Serial cable for software programming tool

X4EVAC 4 Monitored ways sounder circuit extension board

