



CARINA

Conventional fire detection 8 zones



venteville

PRESENTATION

- The CARINA is a conventional 8 zone fire alarm panel.
- Its total capacity is **256 detectors or manual call points** with standard or watertight bases.
- **For each zone, you can connect 32 detectors and/ or manual call points** (optical smoke detector, heat, flame, standard or intrinsically safe), remote alarm indicators, etc.



FUNCTIONAL CHARACTERISTICS

Display

Functional conditions :

- Wide angle LEDs
- + LCD screen (8x40 characters).

Multilanguage text :

- Language selectable by the display:
French, English, Spanish.

Front panel :

- Texts in 3 languages (French, English, Spanish).

Configuration

- With the front panel keyboard, or with a PC connected to the serial port (RS232) :

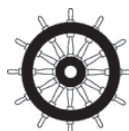
- Zone identification.
- Time delay adjustments.
- Password creation or modification

Functions

- Fire and fault monitoring (insulation fault, cable cut or short circuit of a zone).
- Automatic switching to the emergency power supply in case of loss of main power supply.
- Automatic return to the main power supply when available again.
- History of the last 500 events with timestamp.
- Night/ day dimmer.
- 3 access levels:
 - Level 1 = access to any user with read-only information, acknowledgment of audible alarm, test function and day / night lighting function.
 - Level 2 = Keypad code access to those responsible for fire or fault resetting. Voluntary prolonged shutdown of the panel.
 - Level 3 = Keypad code access to those responsible for configuration creation or modification.

Outputs

- Monitored fire output 24 VDC, factory-set at 2 minutes time delay (*), in accordance with the Bureau Veritas requirement. (*) If after 2 minutes no one has acknowledged the audible signal, the output is activated.
- Immediate fault output not monitored.
- Immediate fire output not monitored.
- 1 programmable output 24VDC (fire, fire on 2 specific zones 7 or 8, fault, fire and fault, acknowledged or not, time delay, monitored, protected by resettable fuse.
- 1 programmable, dry contact type output (fire, fire on 2 specific zones 7 or 8, fault, fire and fault, acknowledged or not, time delay, NO or NC), not monitored, protected by a resettable fuse .
- RS485 port to an external box or AMS and V.D.R., NMEA protocol.
- RS232 port for connection to a PC (configuration, history).
- Keyboard (configuration, history)
- Selectable protocol : NMEA 183.



APPROVALS

► MED





MECHANICAL CHARACTERISTICS



Dimensions (LxIxH)

- Panel:
231 x 194 x 95 mm
- Front:
270 x 204 mm
- Housing:
233 x 196 mm

Weight

- 3 kg

Material

- Protected steel box
- Aluminium front, covered with Lexan overlays.

ELECTRICAL CHARACTERISTICS

Main power supply

- 24VDC
(- 25% + 30%)

Emergency power supply

- 24 VDC (-25% +30%)

3rd power source

- 2 batteries 3 V (CR2032) to power the audible alarm in case of loss of the main and backup power sources.

Power supply protection

- By fuse, 3.15 A 5x20 mm

Consumption

- 0,5 A maxi

Power supply switching

- Automatic

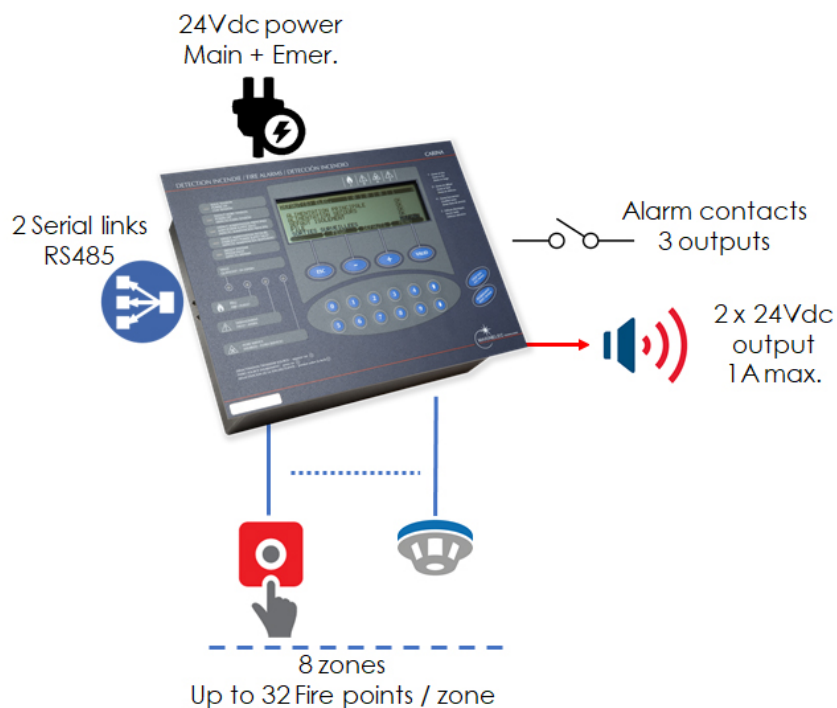
Outputs breaking capacity

- 1 A for 24 VDC

Zones

- Cable : shielded 2 conductors, section mini. recommended 0.75mm².
- Maximum cable length per zone = 300 m
- Consumption = 0,03 A nominal, 0,15 A maxi (With 32 detectors in alarm and 32 LEDs to report alarm.)
- By resettable fuse 0,2 A

CONNECTION OVERVIEW



ENVIRONMENTAL CONDITIONS



Temperature limits

- 0°C to 55°C (functioning)
- 0°C to 70°C (storage)



Humidity

- 5% Humidity max.



Protection rating

- IP44

REFERENCES & OPTIONS

- REPORTATHENA3.8PV2: Remote alarm panel



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sail safely

