



CARINA

Conventional fire detection 8 zones



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) :

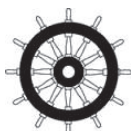
- Zone identification.
- Time delay adjustments.
- Password creation or modification

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 (LxH)

- ▶ 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

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

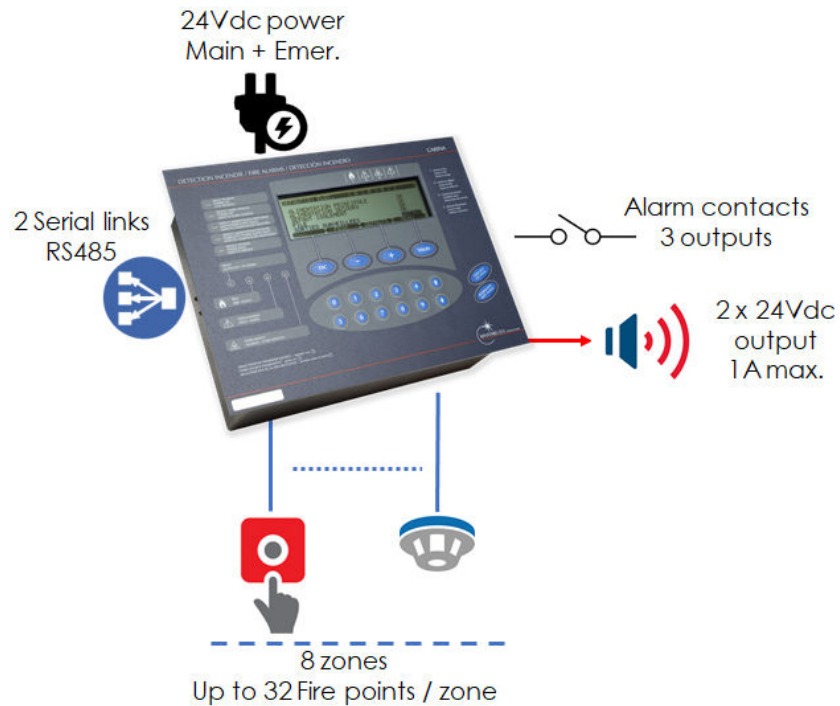
Power supply switching

- ▶ Automatic

Outputs breaking capacity

- ▶ 1 A for 24 VDC

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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