



DI09

Conventional fire detection 4 zones



PRESENTATION

- ▶ The DI09 is a conventional 4 zone fire alarm panel.
- ▶ For each zone, you can connect up to 10 detectors or manual call points, with standard or watertight bases. (optical smoke detector, heat, flame, or intrinsically safe).
- ▶ It has a double 24VDC power supply.
- ▶ Quick and easy to install and easy to use.

FUNCTIONAL CHARACTERISTICS

Display

- ▶ Functional conditions : LEDs and backlit LCD screen.
- ▶ Multilanguage text : Language selectable from the screen French, English, Spanish
- ▶ Front panel: Texts in 2 languages (French/English, Spanish optional).

Functions

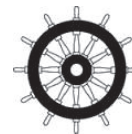
- ▶ Fault and fire alarm (power supply failure, cut or short-circuit in one zone).
- ▶ Automatic switchover main / emergency power supply with alarm.
- ▶ 3rd source (battery 12V) activating the alarm in case of main and emergency power supply failure.
- ▶ Night/ day dimmer.
- ▶ Protected functions : 3 access levels, password controlled.
- ▶ General alarm.

Outputs

- ▶ « Siren » output, (24VDC monitored with an end of line resistor of 2k2, 0,2A maxi) activated in case of fire alarm or fault.
- ▶ « Fire » output, immediate, fully configurable (dry contacts N.O., max. 0.35A).
- ▶ «Fault» output (dry contacts N.C, 0.35A max.).
- ▶ RS485 serial port to connect external equipment/mimic panel/ extinction/VDR.
- ▶ Protocols : NMEA 0183 IEC 61162-120) / MODBUS RTU.
- ▶ « General alarm » output.

Configuration

- ▶ Directly on the panel with the LCD screen and the keyboard:
- Exact identification of the zones (20 characters).
- Functions settings (Disabled / Enabled, relay, language...).



APPROVALS

▶ MED





MECHANICAL CHARACTERISTICS



Dimensions (LxIxH)

- ▶ Panel : 170x168x58 mm
- ▶ Front : 170x168x23 mm
- ▶ Housing : 138x130 mm

Weight

- ▶ 0.6 kg

Mounting

- ▶ Fixing from the front or back of the cabinet.

Material

- ▶ ABS

ELECTRICAL CHARACTERISTICS

Main power supply

- ▶ 24 VDC (-25% +30%)

Emergency power supply

- ▶ 24 VDC (-25% +30%)

3rd power source

- ▶ 1 battery 12 VDC (type MN21)

Power supply protection

- ▶ Diodes and resettable fuses 1.2A.

Consumption

- ▶ 0,25 A maxi (+ outputs consumption)

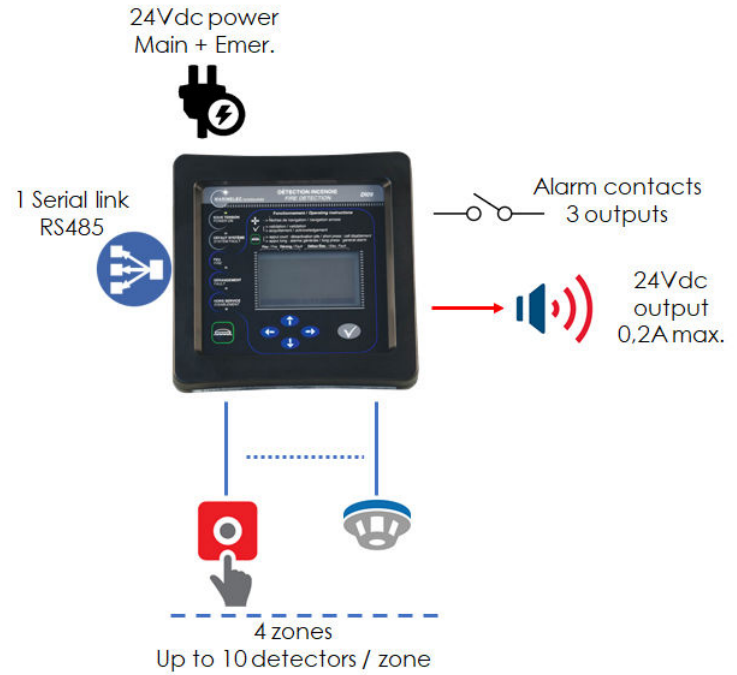
Zones

- ▶ Cable : shielded 2 conductors, section mini. recommended 0.75mm².
- ▶ Maximum length per zone = 50m
- ▶ Consumption = 0,01 A nominal, 0,05 A maxi.
- ▶ Protection against polarity inversion and short-circuits.

Power supply switchover

- ▶ Automatic

CONNECTION OVERVIEW



ENVIRONMENTAL CONDITIONS



Temperature limits

- ▶ 0°C to 70°C (storage)
- ▶ 5°C to 55°C (functioning)



Humidity

- ▶ 95% max. at 40°C



Protection rating

- ▶ IP 22 (front panel)

REFERENCES & OPTIONS

- ▶ COF_ETANCHE_01: IP66 waterproof enclosure for DI09.



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