NC-PF8-MB

Conventional Fire Panel - PCB - 8 Zone

Overview

1X fire control panels offer state of the art architecture in configurations that deliver an uncomplicated solution for small to mid-sized conventional applications. They feature an attractive contemporary design that fits with any decor. The gently curved door front offers a distinctive flair. Operator controls are inset in a striking black lexan.

With support for multiple lines of conventional detectors and accessories, these quick-to-configure systems offer versatility that benefits building owners and installation/maintenance companies alike.

The Panel

The 1X-F8 is a conventional fire alarm control panel. It is supplied in local language with 8 zones that support up to 32 devices per zone, as well as up to 4 supervised relay outputs dedicated to sounder control and fire routing. In addition 2 conventional relay outputs dedicated to common fire and fault conditions, as well as two user configurable inputs for monitoring and control are available.

Options

The panels support 2 types of auxiliary relay boards, one with 4 standard relays, and one with 4 supervised relays. With these boards the panel outputs may be expanded with up to 16 additional outputs.

Approvals & Compliance

The product line carries the following accreditations:

• EN54:2, EN54:4 and CE approved
• CPD certified
• NEN2535, NBNS21-100 and BS5839-1 compliant

• WEEE compliant
• RoHS compliant

Type class conditions: 3K5 of IEC 60721-3-3

Details

- Modern, elegant design
- Easy removable parts for quick and clean installation
- Default regional setup modes
- Normal, head-out & intrinsically safe zone support
- Supervised alarm notification & fire protection outputs
- EN54 compliant potential free fire & fault relays
- Class change, day/night, remote reset, extended fire routing delay & fire routing inhibit delay facilities
- Auxiliary 24VDC supply output with reset support
- Default support for special functions such as: - EN54 compliant user access levels - mixed zones - full front panel diagnostics - one-man walk test - CleanMe™
- Auxiliary standard & supervised relay output boards
- Networkable up to 64 zones

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Technical specifications

General

Maximum system capacity (device count)	up to 1280
Network size (nodes)	up to 8

Electrical

Power supply type	VAC
Power consumption	4 A @ 24 VDC
Operating voltage	110 VAC @ 50 Hz or 230 VAC @ 50 Hz (+10% -15%) Cable type: 3 x 1.5 mm² (live, neutral, earth)
Current consumption	3.15 A @ 110/< 1.5 A @ 240 VAC 80 mA (quiescent, no devices) (panel supply) 160 mA (alarm, no devices) (panel supply)

Loop

Maximum loop capacity	8

Zone

Maximum zone capacity	up to 8
Operating voltage	22 VDC (18 to 24 VDC)
Quantity of devices per zone	32 max.
Rating	65 mA (max. Load)
Cable rating	40 ohm (max cable resistance), 500 nF (max cable capacitance)

Input

Input quantity	2
Input type and rating	100 ohm max.

Output

Supervisory voltage	-15 to +28 VDC
Supervised Outputs	4
Load (max)	500 mA
Non Supervised Outputs	2
Load	2 A @ 30 VDC

Standby battery

Capacity	2 x 12 V, 7.2 or 12 Ah (SLA)

Physical

Form factor	Medium
Physical dimensions	440 x 480 x 140 mm (W x H x D)
Net weight	3.9 kg (without battery)
Shipping weight	370 g
Colour	Grey (RAL 7035)
Mounting type	In cabinet
Cable entries	Ø 20 mm - 20 / 2 / 26 (top / bottom / rear)

Environmental

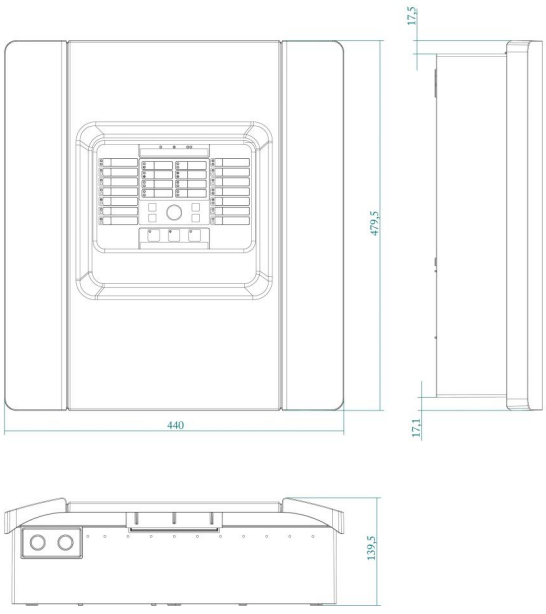
Operating temperature	-5 to +50°C
Storage temperature	-20 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP30

Regulatory

Certification	EN54-13, EN54-2, EN54-4
Standards	EN54-2 EN54-4 EN54-13
Environmental	CPD WEEE RoHS

Auxilliary Supply Output

Output voltage	24 VDC (21 to 28 VDC)
Load (max)	250 mA @ 25°C / 195 mA @ 40°C



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