1X-F8-11

Conventional Fire Panel - 8 Zone - Dutch Belgian

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%)
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
Type and rating	65 mA (max. Load)

Zone

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

Input

Input quantity	2
Input type and rating	Cable type: 3 x 1.5 mm² (live, neutral, earth), Cable resistance: 100 ohm max.

Output

Supervisory voltage	-15 to +28 VDC
Auxilliary power	24 VDC (21 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	6 kg
Colour	Grey (RAL 7035)
Mounting type	Surface mount
Cable entries	Ø 20 mm - 20 / 2 / 26 (top / bottom / rear)

Environmental

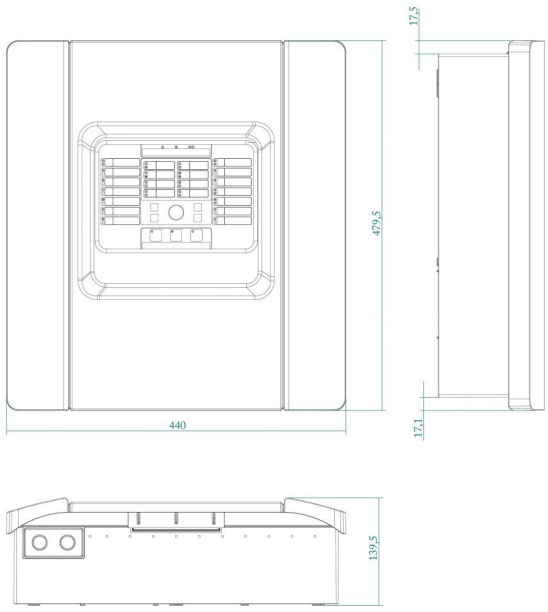
Operating temperature	-5 to +50°C
Storage temperature	-20 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP30

Regulatory

Compliancy	CPD, RoHS, WEEE
Certification	EN54-13, EN54-2, EN54-4

Auxilliary Supply Output

Load (max)	250 mA @ 25°C / 195 mA @ 40°C



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