1X-X3E

Enhanced Conventional Fire and Extinguishing Panel - 3 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-X3E is a networkable, enhanced conventional fire alarm and extinguishing control panel. It is supplied in local language with 3 fire zones that support up to 32 devices per zone. These zones may be configured for extinguishing in single zone or double zone configuration in any combination of zones. In addition the panel offers supervised outputs for first stage notification, second stage notification as well as optical warning indicators and actuator activation. Standard relay outputs are provided for EN54 compliance and system status notification, as well as multiple inputs for system control.

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.

The 1X-X3E supports class A (redundant ring) and B (standard bus) networking with up to 32 nodes including conventional and addressable panels and repeaters via an optional network interface. This allows full remote control and inputs to and from other nodes in the system, providing superior flexibility in system organisation and planning.

Approvals & Compliance

The product line carries the following accreditations:

• EN54:2, EN54:4 and CE approved
• CPR certified
• EN12094-1 certified

• WEEE compliant
• RoHS compliant



Details

- Modern, elegant design
- Easy removable parts for quick and easy installation
- Normal & head-out supervision support per zone
- Three detection zones
- Single zone, double zone or any combination of zones configurable for release
- 6 Pre-configured relays and 8 supervised inputs for extinguishing control
- Configurable fire routing, sounder, extinguishing, reset and door monitoring delays
- Configurable "Hold Mode" type-A or type-B
- Sounders configurable for pulsing or continuous operation
- Extinguishing agent flow confirmation
- Continuous or resetable 24 VDC auxiliary supply
- Auxiliary standard & supervised relay output support
- Default support for special functions such as: - EN54 compliant user access levels - Basic & Advanced level configuration - mixed zones - front panel diagnostics with test & disable control - one-man walk test
- Redundant networking to 1X conventional and 2X addressable nodes
- Instrinsically safe and EN54-13 zone support

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Technical specifications

General

Maximum system capacity (device count)	up to 1260
Network size (nodes)	up to 21

Electrical

Power supply type	VAC
Power consumption	4 A @ 24 VDC
Operating voltage	110 VAC @ 50 Hz or 230 VAC @ 50 Hz (+10% -15%) Cablet type: 3 x 1.5 mm² (live, neutral, earth)
Current consumption	3.15 A @ 110/1.5 A @ 240 VAC 2.78 A (Alarm, no devices) 0.39 A (Quiescent, no devices)

Loop

Maximum loop capacity	3

Zone

Maximum zone capacity	up to 3
Operating voltage	22 VDC (18 to 24 VDC)
Quantity of devices per zone	20 max.
Rating	65 mA (max. Load)
Cable rating	40 ohm (max. resistance), 500 NF (max. capacitance)

Standby battery

Capacity	2 x 12 V, 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	Grå (RAL 7035)
Mounting type	Ytmontering
Cable entries	Ø 20 mm - 20 / 2 / 26 (top / bottom / rear)

Environmental

Operating temperature	-5 to +40°C
Storage temperature	-20 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indendør
IP rating	IP30

Regulatory

Compliancy	CPD, RoHS, WEEE
Certification	EN12094-1, EN54-2, EN54-4

Supervised Input

	6
Use	MCP Start, MCP Hold, MCP Abort, Pressure Switch, Gas Flow, Door Monitor

Non Supervised Input

	2
Use	Auto/Manual mode, Remote Reset

Supervised Output

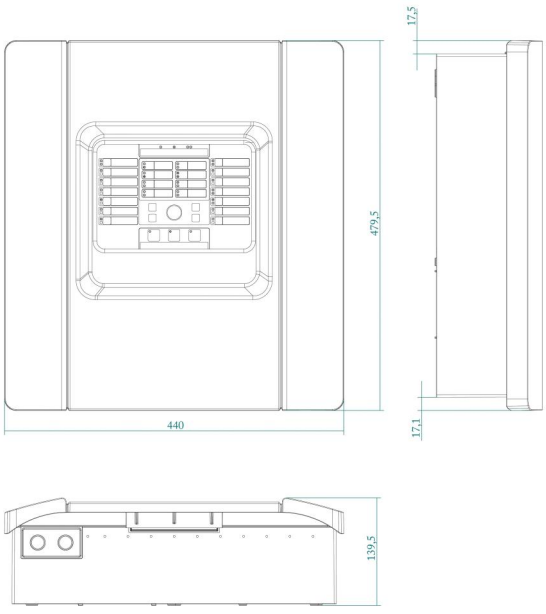
	4
Use	Fire Sounders, Extinguishing Sounders, Optical Indications, Actuator
Notification	2 x 500 mA @ 24 VDC
Visual indictors	1 x 500 mA @ 24 VDC
Actuator	1 x 1 A @ 24 VDC

Non Supervised Output

	4
Use	Hold Mode, Abort Mode, Manual Mode, Release Indication
Specification	6 x 2 A @ 30 V

Auxilliary Supply Output

Output voltage	24 VDC (21 to 28 VDC)
Load (max.)	250 mA



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