NC-PX3E

Enhanced Conventional Fire and Extinguishing Panel - 3 Zone

Overview

The New Conventional fire control panels offer state of the art architecture in configurations that deliver an uncomplicated solution for small to mid-sized conventional applications. With their clean and attractive contemporary design, they fits with any decor. The basic and intuitive user interface with icons make easy their application everywhere.

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 NC-PX3E 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 NC-PX3E 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



Détails

- Modern, elegant design with basic and intuitive user interface with icons.
- 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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Spécifications techniques

Général

Capacité maximale du système (comptage de périphérique)	up to 1260
Taille du réseau (nœuds)	Jusqu'à 21

Électrique

Type de bloc d'alimentation	VAC
Consommation électrique	4 A @ 24 VDC
Tension de fonctionnement	110 VAC @ 50 Hz or 230 VAC @ 50 Hz (+10% -15%) Cablet type: 3 x 1.5 mm² (live, neutral, earth)
Consommation de courant	3.15 A @ 110/1.5 A @ 240 VAC 2.78 A (Alarm, no devices) 0.39 A (Quiescent, no devices)

Boucle

Capacité maximale de boucle de masse	3

Zone

Capacité maximale de zone	Jusqu'à 3
Tension de fonctionnement	22 VDC (18 to 24 VDC)
Quantité de dispositifs par zone	20 max.
Évaluation	65 mA (max. Load)
Cote de câble	40 ohm (max. resistance), 500 NF (max. capacitance)

Batterie de secours

Capacité	2 x 12 V, 12 Ah (SLA)

Caractéristiques physiques

Types de format	Moyenne
Dimensions physiques	440 x 480 x 140 mm (W x H x D)
Poids net	3.9 kg (without battery)
Poids à l'expédition	6 kg
Couleur	Gris (RAL 7035)
Type de montage	Montage en surface
Entrées de câble	Ø 20 mm - 20 / 2 / 26 (top / bottom / rear)

Environnement

Température de fonctionnement	-5 to +40°C
Température de stockage	-20 to +70°C
Humidité relative	10 to 95% noncondensing
Environnement	Intérieur
Indice de protection	IP30

Régulateur

Conformité	CPD, RoHS, WEEE
Certification	EN12094-1, EN54-13, 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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