# NC-PX3

## 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-PX3 is a 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.

### Approvals & Compliance

The product line carries the following accreditations:

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

• WEEE compliant
• RoHS compliant




### Details

- 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

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## Technical specifications

### General

| | |
|---|---|
| Maximum system capacity (device count) | up to 96 |

### Electrical

| | |
|---|---|
| Power supply type | VAC |
| Power consumption | 4 A @ 24 VDC |
| Operating voltage | 110 VAC @ 50 Hz or 230 VAC @ 50 Hz (+10% -15%)<br>Cable type: 3 x 1.5 mm² (live, neutral, earth) |
| Current consumption | 3.15 A @ 110/1.5 A @ 240 VAC<br>2.78 A (Alarm, no devices)<br>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. rsistance), 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 | 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 | EN12094-1, EN54-13, EN54-2, EN54-4 |

### Supervised Inputs

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

### Non Supervised Inputs

| | |
|---|---|
| | 2 |
| Use | Auto/Manual mode, Remote Reset |

### Supervised Outputs

| | |
|---|---|
| | 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 Outputs

| | |
|---|---|
| | 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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