

# NC-PF4

## Conventional fire panel, 4 zone

### Overview

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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 without an additional language kit required.

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

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The NC-PF4 is a conventional fire alarm control panel. It is supplied with 4 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

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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 8 additional outputs.

### Approvals & compliance

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The product line carries the following accreditations:

- EN54:2, EN54:4 and CE approved
- CPD certified
- WEEE compliant
- RoHS compliant

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



### Details

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- Modern, elegant design with basic and intuitive user interface with icons.
- 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 24 VDC 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<sup>TM</sup>
- Auxiliary standard & supervised relay output boards
- Networkable up to 64 zones
- No language kit inserts required

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### Technical specifications

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#### General

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Maximum system capacity (device count) up to 1280

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Network size (nodes) up to 16

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#### Electrical

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Power supply type VAC

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Power consumption 2 A @ 24 VDC

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Operating voltage 110 VAC @ 50 Hz or 230 VAC @ 50 Hz (-15% +10%)  
Cable type: 3 x 1.5 mm<sup>2</sup> (live, neutral, earth)

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Current consumption 2 A @ 110/240 VAC  
60 mA (quiescent, no devices) (panel supply)  
140 mA (alarm, no devices) (panel supply)

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#### Loop

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Maximum loop capacity 4

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#### Zone

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Maximum zone capacity up to 4

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Operating voltage 22 VDC (18 to 24 VDC)

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Quantity of devices per zone 32 max.

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Rating 65 mA (max. Load)

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Cable rating 40 ohm (max. cable resistance), 500 nF (max. cable capacitance)

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#### Input

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Input quantity 2

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Input type and rating 100 ohm (max. cable resistance)

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#### Output

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Supervisory voltage -15 to +28 VDC

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Auxilliary power 24 VDC (21 to 28 VDC)

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Supervised Outputs 4

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Load (max) 250 mA

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Non Supervised Outputs 2

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Load 2 A @ 30 VDC

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#### Standby battery

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Capacity 2 x 12 V, 7.2 Ah (SLA)

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Batteries supported in housing 2 x 12 V, 7.2 Ah (SLA)

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#### Physical

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Form factor Small

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Physical dimensions 320 x 435 x 134 mm (W x H x D)

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Net weight 2.8 kg (without battery)

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Shipping weight 4.5 kg

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Colour Grey (RAL 7035)

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Mounting type Surface mount

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Cable entries Ø 20 mm - 14 / 2 / 12 (top / bottom / rear)

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#### Environmental

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Operating temperature -5 to +50°C

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Storage temperature -20 to +70°C

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Relative humidity 10 to 95% noncondensing

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Environment Indoor

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IP rating IP30

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#### Regulatory

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Compliance CPD, RoHS, WEEE

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Certification EN54-13, EN54-2, EN54-4

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#### Auxilliary Supply Output

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

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