# 1X-F4-20

## Conventional Fire Panel - 4 Zone - Czech

### 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-F4 is a conventional fire alarm control panel. It is supplied in local language 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

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

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 16 |

### Electrical

| | |
|---|---|
| Power supply type | VAC |
| Power consumption | 2A @ 24 VDC |
| Operating voltage | 110 VAC @ 50 Hz or 230 VAC @ 50 Hz (+10% -15%) |
| Current consumption | 2 A @ 110/240 VAC<br>60 mA (quiescent, no devices) (panel supply)<br>140 mA (alarm, no devices) (panel supply) |

### Loop

| | |
|---|---|
| Maximum loop capacity | 4 |

### Zone

| | |
|---|---|
| Maximum zone capacity | up to 4 |
| Operating voltage | 22 VDC (18-24 VDC) |
| Quantity of devices per zone | 32 max. |
| Cable rating | 40 ohm ( max cable resistance), 500 nF (max cable capacitance) |
| Load (max) | 65 mA |

### Input

| | |
|---|---|
| Input quantity | 2 |
| Cable resistance (max) | 100 ohm |

### Output

| | |
|---|---|
| Supervisory voltage | -15 to +28 VDC |
| Auxilliary power | 24 VDC (21 to 28 VDC) |
| Supervised Outputs | 4 |
| Load (max) | 250 mA |
| Non Supervised Outputs | 2 |
| Load | 2 A @ 30 VDC |

### Standby battery

| | |
|---|---|
| Capacity | 2 x 12V - 7.2 Ah (SLA) |

### Physical

| | |
|---|---|
| Form factor | Small |
| Physical dimensions | 320 x 435 x 134 mm (W x H x D) |
| Net weight | 2.8 kg (without battery) |
| Shipping weight | 4.5 kg |
| Colour | Grey (RAL 7035) |
| Mounting type | Surface mount |
| Cable entries | Ø 20 mm - 14 / 2 / 12 (top / bottom / rear) |

### Environmental

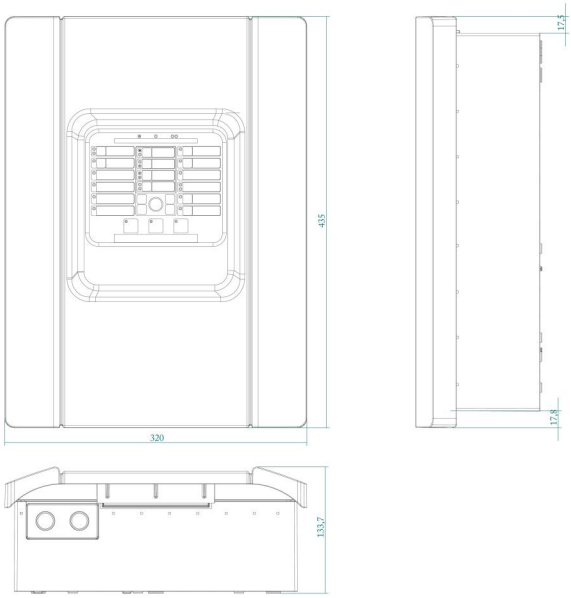
| | |
|---|---|
| Operating temperature | -5 to +50°C |
| Storage temperature | -20 to +70°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP30 |

### 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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