# 2X-AFR-S

## Addressable fire panel repeater, small cabinet

### Overview

The new 2X-A series life safety control systems bring the speed and functionality of high-end intelligent processing to small to mid-sized addressable applications. Based on 2X series learned experience and with complete backwards compatibility, the new 2X-A features an attractive contemporary design that fits with any decor. With improved robustness, manufactured in metal, special plastics and easy electronics removal, it allows painting in any colour. The main controls are easily located using an improved and robust jog dial.

With high power loop addressable detection, a full line of easily configured option cards and modules, as well as USB and Ethernet® connectivity, these quick-to configure systems offer versatility that benefits building owners and life safety system installers alike.

### The Panel

The fire panel repeaters supplied in local language come with a 2010-2A-NB network board already fitted. Except for having no addressable loops and corresponding programmable outputs, the setup is similar as a normal fire panel. It and has its own power supply, 2 conventional relay outputs and 2 supervised outputs, working in pair and dedicated to common fire and fault conditions, as well as 2 user configurable inputs for monitoring and control are available.

### Options

The repeaters use a node on the network, similar like a normal panel with a maximum of 32 nodes / 32 loops network of fire panels and fire panel repeaters (including conventional fire panels and fire panel repeaters up to a maximum of 64 conventional zones). Last but not least, in case seperate zone indications are required, a 20 or 40 zone fire/fault LED indicator board can be mounted in the panel or repeater with ample space for text.

Network compatible with existing panels, repeaters (existing and new) and conventional panels.

### Approvals & compliance

• CE / CPD / EN54-2 / EN54-4 / EN54-21
• WEEE / RoHS compliant




### Details

- Local or global repeater with or without global control functionality
- Up to 24 LED Zone indicators for Fire and Fault with space for a 4 digit number
- Auto configuration, setup wizards and default regional setup modes
- Ethernet port with TCP/IP for remote diagnostics, maintenance and programming
- EN54 compliant graphical LCD with icons and up to 256 zones
- Improved Jog Dial with 4 soft buttons for simple and intuitive user control
- Aesthetic pleasing design with robust painted steel door
- Easy removable door and chassis for quick and clean installation
- All pluggable connectors
- Up to 72 hours standby time and 30 minutes alarm
- 3 USB ports with memory stick support and RS232 for printer support
- 3 operator level menu structure (20 usernames and passwords)
- Email notification for events directly from the panel (4 user accounts)
- History log memory for 9999 events
- Backwards compatible, supporting site retrofit/upgrades, expansions, replacement
- Comes standard fitted with network board

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## Technical specifications

### General

| | |
|---|---|
| User interface | Without fire Brigade controls |
| Network size (nodes) | up to 64 |

### Electrical

| | |
|---|---|
| Power supply type | VAC |
| Operating voltage | 110 / 240 VAC (+10%/-15%), 50 / 60 Hz (±5%)<br>Mains supply cable type: 3 x 1.5 mm² (live, neutral, earth) |
| Current consumption | Nom. 0.6 / 1.3 A, Max. 1.5 A / 3.15 A<br>Fuse rating: 2 / 4 A |

### Input

| | |
|---|---|
| Input quantity | 2 |
| Input type and rating | 150 mA (max. Load), Cable type: Recommended 2 core 1.5 mm² twisted pair |
| Programmable | 2 |
| Termination | 15 kohm |

### Output

| | |
|---|---|
| Output type and rating | Cable type: Recommended 2 core 1.5 mm² twisted pair |
| Auxilliary power | 1 resetable, 500 mA, 19.5 to 28 VDC (24 VDC nominal) |
| Termination | 15 kohm |
| General Fire + Fault supervised | 2, 350 mA, 19.5 to 28 VDC (24 VDC nominal) |
| General Fire + Fault relay | 2 |

### Standby battery

| | |
|---|---|
| Capacity | Max. 2 x 12 V / 18 Ah |
| Charging | 27.3 V at 20ºC ; 36 mV/ºC |
| Low battery warning threshold | 23.6 VDC ± 1% at 25ºC |
| Batteries supported in housing | Max. 2 x 12 V / 7.2 Ah |

### Physical

| | |
|---|---|
| Form factor | Large |
| Physical dimensions | 446 x 536 x 164 mm (W x H x D) |
| Net weight | 7.4 kg (without battery) |
| Shipping weight | 10.1 kg |
| Colour | White (RAL 9003) |
| Mounting type | Surface mount |
| Cable entries | 18 (20 mm) / 2 (20 mm) / 2 removable plates (top / bottom / back) |
| Material | Steel (painted) |

### Environmental

| | |
|---|---|
| Operating temperature | -5 to +40°C |
| Storage temperature | -20 to +50°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP30, indoor use only |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | BOSEC, CE |

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