2X-AFR-FB-C

Addressable Fire Panel Repeater with Fire Brigade controls - Compact

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 Compact Repeater

The compact repeater with Fire Brigade and Fire Protection controls on the user interface, supplied in local language come with a network facility already assembled (no network board required). Except for having no addressable loops and corresponding programmable outputs, the setup is similar as a normal fire panel. It has by default 2 conventional relay output, 2 supervised inputs, 1 RS232, 2 USB and 1 Ethernet port. The repeater has no mains voltage power supply unit, but it allows for redundant 24VDC supply connections. For future use and expansions there is also already a repeater bus incorporated.The compact repeater is very easy to mount via the DIN-rail mounting option.

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



Détails

- Local or global repeater with Fire Brigade and Fire Protection controls with or without global control functionality
- 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
- 2 USB ports with memory stick support and RS232 for printer support
- 3 operator level menu structure (20 usernames and passwords)
- Redundant 24VDC supply
- 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.
- DIN-rail mounting

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Spécifications techniques

Général

Interface utilisateur	Avec contrôle des pompiers
Taille du réseau (nœuds)	Jusqu'à 64

Électrique

Type de bloc d’alimentation	VAC
Tension de fonctionnement	110 / 240 VAC (+10%/-15%), Cable type: 2 x 1.5 mm² 30 VDC (Maximum) 24 VDC (Nominal) 20 VDC (Minimum)
Consommation de courant	Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A 190 mA at 24 VDC (Typical)

Entrée

Type d'entrée et classe	Cable type: Recommended 2 core 1.5 mm² twisted pair
Programmable	2
Résiliation	15 kohm

Batterie de secours

Capacité	Max. 2 x 12 V, 18 Ah (use supplied cables)
En charge	27.3 V at 20ºC – 36 mV/ºC
Seuil d'avertissement de batterie faible	23.6 VDC ± 1% at 25ºC
Batteries supportées dans le boîtier	Max. 2 x 12 V, 18 Ah (use supplied cables)

Caractéristiques physiques

Types de format	Compact
Dimensions physiques	300 x 240 x 61 mm (W x H x D)
Poids net	2 kg
Poids à l'expédition	2.3 kg
Couleur	Blanc (RAL 9003)
Type de montage	Montage en surface
Entrées de câble	18 (20 mm) / 2 (20 mm) / 2 removable plates (top / bottom / back)
Matériel	Acier (peint)

Environnement

Température de fonctionnement	-5 to +40°C
Température de stockage	-20 to +50°C
Humidité relative	10 to 95% noncondensing
Environnement	Intérieur
Indice de protection	IP30: for indoor use only

Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	AEAI

Output

Relay type	Potential free, NO/NC/C
Maximum relay output current	2 A / 30 VDC

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