2X-AFR-C

Addressable Fire Panel Repeater - 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 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



Details

- Local or global repeater 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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Technical specifications

General

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

Electrical

Power supply type	VAC
Operating voltage	24 VDC (Nominal) Cable type: 2 x 1.5 mm² 30 VDC (Maximum) 20 VDC (Minimum)
Current consumption	190 mA at 24 VDC

Input

Input type and rating	Cable type: Recommended 2 core 1.5 mm² twisted pair
Programmable	2
Termination	15 kohm

Standby battery

Capacity	Max. 2 x 12 V, 18 Ah (use supplied cables)
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, 18 Ah (use supplied cables)

Physical

Form factor	Compact
Physical dimensions	300 x 240 x 61 mm (W x H x D)
Net weight	2 kg
Shipping weight	2.3 kg
Colour	White (RAL 9003)
Mounting type	Surface mount
Cable entries	18 (20 mm) / 2 (20 mm) / 2 removable plates (top / bottom / back)
Material	ABS plastic

Environmental

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

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	AEAI

Relay outputs

Type	Potential free, NO/NC/C
Maximum output current	2 A / 30 VDC

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