2X-AE1

Addressable fire and evacuation panel w/ fire brigade controls, 1 loop

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 panels supplied in local language, with user interface with fire routing and evacuation controls, with 1 loop that supports up to 128 devices in 512 zones, have standard 2 supervised sounder/fire-routing outputs, which can be used as freely programmable outputs as well. In addition 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 panels supports one network board to create a maximum of 64 nodes / 256 loops network of fire panels and fire panel repeaters (including conventional fire panels and fire repeater panels up to a maximum of 64 conventional zones). Last but not least, in case seperate zone indications are required, a 20 or a 40 zone fire/fault LED indicator board can be mounted in the panel or repeater with ample space for custom text.

High loop power PAK available to increase the loop power from 500 mA to 800 mA.

Compatible with existing loop devices and 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

- 1 High Power Loop with 500 mA per loop
- High loop power PAK to increase the loop power from 500 mA to 800 mA
- Up to 512 zones with Fire Brigade & Fire Protection & Evacuation controls with 7 programable Evacuation groups and 300 output groups
- Up to 40 LED Zone indicators for Fire and Fault with ample text space
- 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
- Auxiliary 24 VDC supply output with reset support
- 3 USB ports with memory stick support and RS232 for printer support
- Communication via UltraSync cloud, using EN 54-21 UC240 UltraSync communicator
- Integration in management software ATS8600, allowing integration with security systems and CMS
- 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

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Technical specifications

General

User interface	With fire Brigade controls
Maximum system capacity (device count)	up to 32512
Network size (nodes)	up to 16

Electrical

Power supply type	VAC
Operating voltage	110 / 240 VAC (+10%/-15%) 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

Loop

Maximum loop capacity	1
Type and rating	500 mA at 37 VDC (28 to 37 VDC) / 800 mA at 20 VDC (19.95 to 20.05 VDC)
Cable rating	Recommended 2 core 1.5 mm² twisted pair ; 52 ohm / 500 nF ; max. 2 km
Outputs	250 mA / 29VDC (29VDC to 36VDC)

Zone

Maximum zone capacity	up to 512

Input

Input quantity	2
Input type and rating	Supervised, maximum load 150 mA
Programmable	2
Termination	15 kohm

Output

Fire alarm signalling	350 mA / 21 to 28 VDC (24 VDC nominal)
Fault signalling	350 mA / 21 to 28 VDC (24 VDC nominal)
Notification	8 sounder outputs
Supervisory voltage	Supervised, 4, 750 mA / 21 to 28 VDC (24 VDC nominal)
Auxilliary power	1 resetable, 500 mA / 21 to 28 VDC (24 VDC nominal)
Programmable	Up to 8 (2 per loop board) / 21 to 28 VDC (24 VDC nominal)
Termination	15 kohm
General Fire + Fault supervised	2, 350mA / 19.5-28VDC (24 VDC nominal)

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	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	CPR, REACH, RoHS 3, WEEE
Certification	AEAI, BOSEC, CPR
Standards	EN54-2, EN54-4, EN54-13, EN54-21
Additional Approval	CoC, DBI

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