ZP2-AFR-FB-C

ZITON Addressable fire panel repeater with fire brigade controls, compact

Overview

The new ZP2-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 ZP2-A features an attractive contemporary design that fits with any decor. With improved robustness, 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 the addressable detection and a full line of easily configured option cards and modules, 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). In case more nodes on the network are required you can expand the network capabilities with an optional panel activation key. For the RS232 connection you can order the 2010-2-232-KIT, which includes a RS232 isolator board.

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 EN54 setup modes
- Ethernet port with TCP/IP for remote diagnostics, maintenance and programming
- EN54 compliant graphical LCD with icons and up to 256 zones
- Jog Dail with 4 soft buttons for simple and intuitive user control
- Aesthetic pleasing design with special paintable synthetic door
- Easy removable cover and chassis for quick and clean installation
- All pluggable connectors
- 2 USB ports with memory stick support and RS232 for printer support
- Email notification for events directly from the panel (4 user accounts)
- Redundant 24VDC supply
- 3 operator level menu structure (20 usernames and passwords)
- History log memory for 9999 events
- DIN-rail mounting

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Technical specifications

General

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

Electrical

Operating voltage	110 / 240 VAC (+10%/-15%)
Current consumption	Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A

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	Pure white (RAL 9010)
Mounting type	Surface mount
Cable entries	6 / 4 / 6 (20mm) (Top/Bottom/Back)
Material	ABS plastic

Environmental

Operating temperature	-5 to +40°C
Storage temperature	-20 to +50°C
Relative humidity	95% max. noncondensing
Environment	Indoor
IP rating	IP30: for indoor use only (DIN rail mounting only)

Regulatory

Compliancy	CPD, RoHS, WEEE
Certification	EN54-13, EN54-2, EN54-21, EN54-4

Supply

Nominal	24VDC
Minimum	20VDC
Maximum	30VDC
Typical current	190 mA at 24 VDC
Cable type	2 x 1.5 mm²

Relay outputs

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

Inputs

Programmable	2
Cable type	Recommended 2 core 1.5 mm² twisted pair
End of Line resistor	15kohm

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