

# 2X-FR-FB2-45

## Addressable Fire Panel Repeater with Fire Brigade controls - Romanian

### Overview

The 2X Series life safety control systems are bringing the speed and functionality of high-end intelligent processing to small to mid-sized addressable applications. They feature an attractive contemporary design that fits with any decor. Special plastics allows for painting in any color and the easy to remove electronics will support in this matter. The gently lined door with the intuitive blue inset user interface and EN54 compliant graphical LCD offers a distinctive flair. The main controls are clearly, but discreetly highlighted with the focus on the central located 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 Panel

The fire panel repeaters, with user interface with fire brigade and fire protection controls, supplied in local language come with a 2010-2-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 separate 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.

### Approvals & Compliance

- CE / CPD / EN54-2 / EN54-4 / EN54-21
- NEN2535 / NBNS21-100 compliant
- BS5839-1 compliant
- VdS and LPCB certified
- WEEE / RoHS compliant



### Details

- Local or global repeater with Fire Brigade and Fire Protection controls with or without global control functionality
- Up to 40 LED Zone indicators for Fire and Fault with ample text space
- 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 Dial with 4 soft buttons for simple and intuitive user control
- Aesthetic pleasing design with special paintable synthetic door
- Easy removable door and chassis for quick and clean installation
- All pluggable connectors
- 3 USB ports with memory stick support and RS232 for printer support
- Email notification for events directly from the panel (4 user accounts)
- Auxiliary 24VDC supply output with reset support
- 3 operator level menu structure (20 usernames and passwords)
- History log memory for 9999 events
- Up to 72 hours standby time and 30 minutes alarm
- Comes standard fitted with network board

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### Technical specifications

#### General

Network size (nodes) up to 64

#### Electrical

Power supply type VAC

Operating voltage 110/230 VAC (+10%/-15%)

Current consumption Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A

#### Standby battery

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

#### Physical

Form factor Large

Physical dimensions 450 x 550 x 171 mm (W x H x D)

Net weight 7.4 kg (without battery)

Shipping weight 10.1 kg

Colour Grey (RAL 7035)

Mounting type Surface mount

Cable entries 18 (20mm) / 2 (20mm) / 2 removable plates (Top / Bottom / Back)

#### Environmental

Operating temperature -5 to +40°C

Storage temperature -10 to +50°C

Relative humidity 95% max. noncondensing

Environment Indoor

IP rating IP30: for indoor use only

#### Standards & regulation

Compliance BS5839-1, CPD, LPCB, NBNS21-100, NEN2535, RoHS, VdS, WEEE

Certification EN54-2, EN54-21, EN54-4

#### Mains supply

Voltage 230 / 110 VAC (+10% / -15%)

Frequency 50 / 60 Hz (±5%)

Current Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A

Fuse rating 2 / 4 A

Cable type 3 x 1.5 mm<sup>2</sup> (live, neutral, earth)

#### Batteries

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

#### Outputs

General Fire + Fault supervised 2, 350mA / 19.5-28VDC (24 VDC nominal)

General Fire + Fault relay 2

Aux 1 resetable, 500mA / 19.5-28VDC (24VDC nominal)

Cable type Recommended 2 core 1.5 mm<sup>2</sup> twisted pair

End of Line resistor 15kohm

#### Inputs

Programmable 2

Cable type Recommended 2 core 1.5 mm<sup>2</sup> twisted pair

End of Line resistor 15kohm

Maximum Load 150 mA

#### Environmental conditions

Storage temperature -10°C to +50 °C

Operating temperature -5°C to +40 °C

Relative humidity max. 95 % (non-condensing)

#### Mechanical

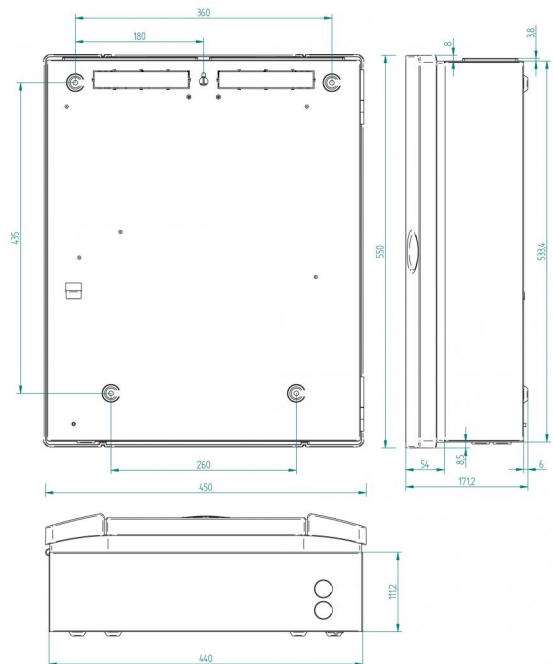
Size (W x D x H) 449.6 x 171.2 x 550 mm

Weight 7.4 kg (without batteries)

Color RAL7035

Cable entries (Top / Bottom / Back) 18 (20mm) / 2 (20mm) / 2 removable plates

IP rating IP30: for indoor use only



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