

## 2X-FR-C-xx

### Addressable Fire Panel Repeater - Compact

#### 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 dark 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 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). 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.

#### Approvals & Compliance

- CE / CPD • BS5839-1 compliant
- WEEE / RoHS compliant



#### Standard Features

- 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 Dial 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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### Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Supply</b>                       |   |
| Nominal                             | 24VDC   |
| Minimum                             | 20VDC   |
| Maximum                             | 30VDC   |
| Typical current                     | 190 mA at 24 VDC                                    |
| Cable type                          | 2 x 1.5 mm <sup>2</sup>                             |
| <b>Relay outputs</b>                |   |
| Type                                | Potential free, NO/NC/C                             |
| Maximum output current              | 2 A / 30 VDC  |
| <b>Inputs</b>                       |   |
| Programmable                        | 2   |
| Cable type                          | Recommended 2 core 1.5 mm <sup>2</sup> twisted pair |
| End of Line resistor                | 15kohm  |
| <b>Environmental conditions</b>     |   |
| Storage temperature                 | -20°C to +50 °C                                     |
| Operating temperature               | -5°C to +40 °C                                      |
| Relative humidity                   | max. 95 % (non-condensing)                          |
| <b>Mechanical</b>                   |   |
| Size (W x D x H)                    | 300 x 61 x 240 mm                                   |
| Weight                              | 2 kg  |
| Color                               | RAL9010   |
| Cable entries (Top / Bottom / Back) | 6 / 4 / 6 (20mm)                                    |
| IP rating                           | IP30: for indoor use only (DIN rail mounting only)  |

### Ordering Information

| Part No.          | Description   |
|-------------------|---|
| 2X-FR-C-xx        | Addressable Fire Panel Repeater - Compact                                       |
| 2010-2-232-KIT    |   |
| 2010-2-PAK-NET128 | 2010-2 PAK Increases the network capability to 32 nodes and 128 loops           |
| 2010-2-PAK-NET256 | 2010-2 PAK Increases the network capability to 64 nodes and 256 loops           |
| 2010-2-PAK-RMSDK  | 2010-2 PAK Enables custom event reporting and command control using the Edwards |
| 2010-2-PAK-RMBN   | 2010-2 PAK Enables the BACnet protocol over Ethernet                            |
| 2010-2-PAK-RMMB   | 2010-2 PAK Enables the Modbus protocol over Ethernet                            |

