# 2010-1-NB

## Conventional Fire Panel Accessory - Network Interface

### Overview

The 2010-1-NB RS485 FireNet network board allows for the creation of a bus mode class-B, or redundant class-A, 32 node network, supporting up to 64 zones. Each node may be a fire panel or a fire panel repeater. When optical fibre is preferred, when cable lengths above 1200 m between nodes are required, or in cases where high levels of EMC are expected, a standard RS485 to fibre converter may be used.

### The Application

Networking makes it possible to repeat the user interface of any panel as required. There could be various reasons for using a network e.g.

i) if there are multiple exit doors in a building and at each exit door the status of the fire system is required

ii) where the load of the system needs to be spread to safeguard against failure of a single panel

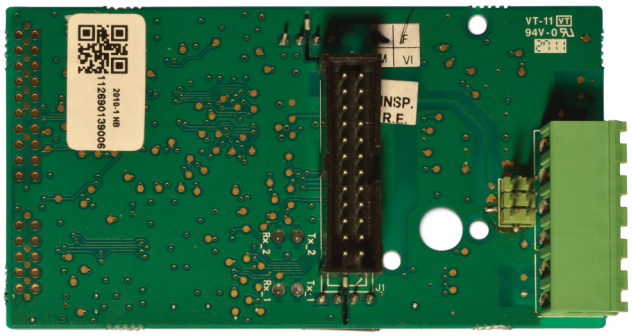
iii) to minimise cabling and installation costs

iv) for larger installations where multiple panels are required but yet central control is required at a single location.

Networking is also useful when an existing system needs to be expanded. Instead of replacing a perfectly good panel with a larger one, simply install and additional panel and connect them together in a network. This makes it ideal for cost effective, future expansion.

### Installation

The 2010-1-NB is connected directly to the main board of the panel. No cabling needs to be done beteen the network board and the main board.




### Details

- Class A or B network support
- Up to 1200 m between nodes
- May be used for panels and repeaters
- Up to 32 nodes / 64 zones
- Plugable connectors
- Connects directly to the main board
- Allows networking between conventional and addressable panels

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## Technical specifications

### General

| | |
|---|---|
| Network size (nodes) | up to 32 |

### Physical

| | |
|---|---|
| Form factor | Small |
| Physical dimensions | 100 x 30 x 150 mm (W x H x D) |
| Net weight | 40 g |
| Shipping weight | 130 g |
| Mounting type | In cabinet |

### Environmental

| | |
|---|---|
| Operating temperature | -8 to +42°C |
| Storage temperature | -10 to +50°C |
| Relative humidity | 95% noncondensing max. |

### Protocol

| | |
|---|---|
| | Proprietary |

### Medium

| | |
|---|---|
| | Copper RS485 |

### Operating mode

| | |
|---|---|
| | Class A or B |

### Distance between nodes (max)

| | |
|---|---|
| | 1200 m |

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