

# 2010-1-NB

## Conventional Fire Panel Accessory - Network Interface

### Overview

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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

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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.

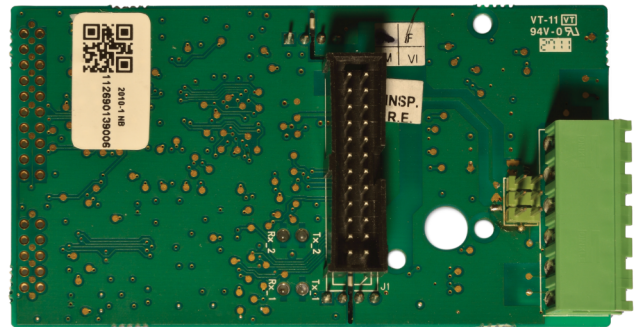
- i) if there are multiple exit doors in a building and at each exit door the status of the fire system is required
- ii) where the load of the system needs to be spread to safeguard against failure of a single panel
- iii) to minimise cabling and installation costs
- iv) for larger installations where 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 an additional panel and connect them together in a network. This makes it ideal for cost effective, future expansion.

### Installation

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



### Details

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- 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
- Pluggable connectors
- Connects directly to the main board
- Allows networking between conventional and addressable panels

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### Technical specifications

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#### General

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Network size (nodes)	up to 32
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#### Physical

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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

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#### Environmental

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

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#### Protocol

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Proprietary
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#### Medium

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Copper RS485
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#### Operating mode

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Class A or B
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#### Distance between nodes (max)

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1200 m
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#### Environmental conditions

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Storage temperature	-10°C to +50°C
Operating temperature	-8°C to +42°C
Relative humidity (max)	95 % (non-condensing)

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#### Mechanical

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Weight	0.04 kg
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