

## 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 1500 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

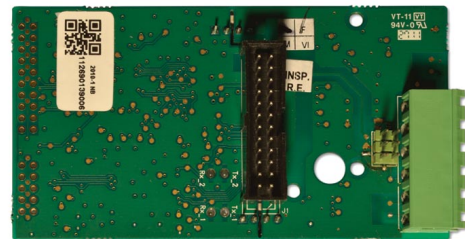
Networking makes it possible to repeat the user interface of any panel as required. There could be various reasons for using a network e.g.

- 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 an 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 between the network board and the main board.



#### Standard Features

- Class A or B network support
- Up to 1500 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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### Specifications

Protocol	Proprietary
Medium	Copper RS485
Operating mode	Class A or B
Distance between nodes (max)	1500 m
Environmental conditions	
Storage temperature	-10°C to +50°C
Operating temperature	-8°C to +42°C
Relative humidity (max)	95 % (non-condensing)
Mechanical	
Weight	0.04 kg

### Ordering Information

Part No.	Description
2010-1-NB	Conventional Fire Panel Accessory - Network Interface