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

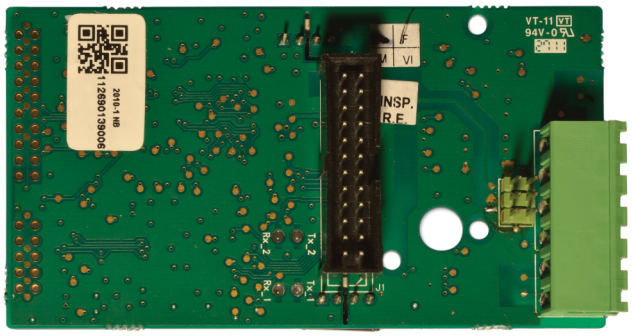
iii) to minimise cabling and installation costs

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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