

48501

郑3 Series - 郑3AB-NET1 Network Interface

Enables simple connection for 郑3 networks

The 郑3AB-NET1 enables 郑3 control panels to be connected together to form networks. The interface card is attached directly onto the 郑3 main control board inside the panel enclosure. Up to 64 standalone control panels can be linked to form the 郑3 network allowing the integration of over 32 000 system devices.

Networks can be designed as peer to peer systems where all control panels are connected to form a single coordinated fire detection and alarm system. Each panel controls its own devices and displays its own system information, but is capable of cross panel cause and effect operation. The 郑3AB-NET1 network board also enables hierarchical networks to be easily configured, where one or more control panels can be assigned as masters displaying complete system status.

RS485 protocol

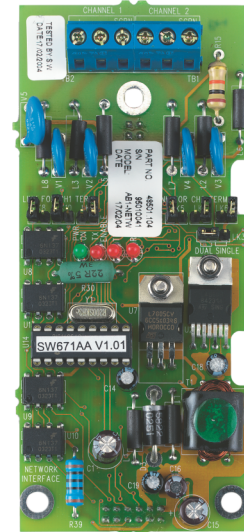
Communication between 郑3 fire alarm panels operates by RS485 protocol, over twisted screened pair wiring. Total cable length throughout the network can be up to a maximum of 2 kilometres. On larger sites, where wiring runs to remote systems may exceed this maximum, cable lengths can be extended by the addition of RS485 booster units or optical fibre connection.

Designed to provide flexible system configuration, system wiring can be daisy chained or teed off with spurs. Network connections are in data quality cable with a minimum core diameter of 0.5 mm². Jumper terminating switches are provided on all network interface boards, which are set at the system commissioning stage.

Cost effective options

The 郑3AB-NET1 network board is part of the range of optional facility boards, which can be added, cost effectively to any 郑3 control panel, in order to provide extra facilities that may not be a requirement of every system.

Housed within the 郑3 panel, options can simply be added during panel manufacture to meet particular specifications, or subsequently fitted on site should a particular requirement become necessary during the life of the system.



Details

- Up to 64 panel networking
- Housed inside main panel enclosure
- Complete cross panel communications
- Inter panel cause and effect operation

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Technical specifications

General

Compatibility	ZP3 control panels
Communication ports	RS485

Electrical

Current consumption	70 mA (total effective load from 24V supply)
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Physical

Physical dimensions	120 x 55 mm (H x W)
Net weight	62 g
Mounting type	PCB mount

Environmental

Operating temperature	-10 to +60°C
Relative humidity	10 to 90% noncondensing

Regulatory

Compliance	CE, EEC89/336
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Mounting

	Plug and socket-fixes to allotted space on panel main control board
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Baud rates

	57600, 38000, 33600, 28800, 19200, 14400, 9600, 4800, 2400, 1200, 600, 300
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Wiring

	Two cores twisted screened pair - 0.5mm ² minimum
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Indication LEDs

	Green - power on
	Red (x3) □- transmission



As a company of innovation, Carrier Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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