



PS1296.2

The ZP3AB-NET1 enables ZP3 control panels to be connected together to form networks. The interface card is attached directly onto the ZP3 main control board inside the panel enclosure. Up to 32 standalone control panels can be linked to form the ZP network allowing the integration of over 16,000 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 systems information, but is capable of cross panel cause and effect operation. The ZP3AB-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.

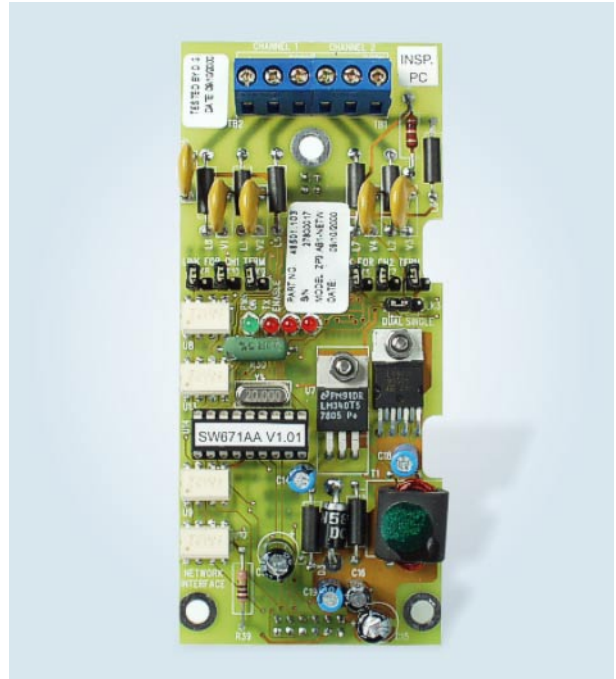
Communication between ZP3 fire alarm panels operates by RS 485 protocol, over twisted screened pair wiring.

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.

The ZP3AB-NET1 network board is part of the range of optional facility boards, which can be added, cost effectively to any ZP3 control panel, in order to provide extra facilities that may not be a requirement of every system.

Housed within the ZP3 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.

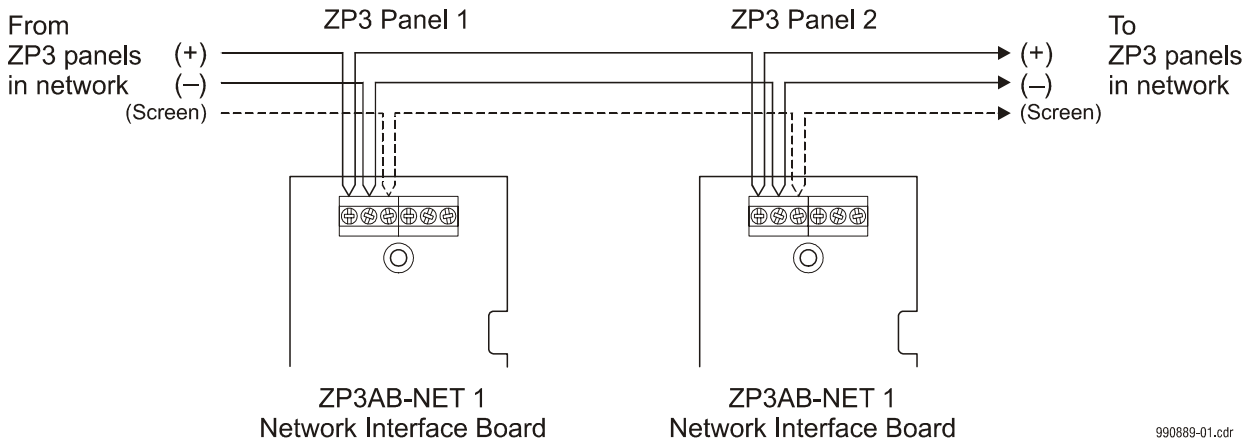


ZP3AB-NET1

Network Board Optional Facility Card

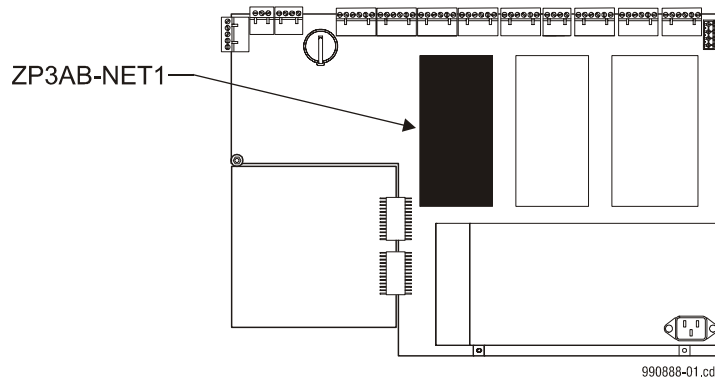
- **Up to 32 panel networking**
- **Housed inside main panel enclosure**
- **Complete cross panel communications**
- **Inter panel cause and effect operation**

Dimensions



990889-01.cdr

ZP3 Panel – main board location



990888-01.cdr

Specification



Model No.	ZP3AB-NET 1	Operating voltage	15 – 30 volts DC
Description	Network board	Current (quiescent)	< 50µA
Compatibility	ZP3 control panels	Current (alarm)	Max. 50mA (limited by panel)
Mounting	Plug and socket-fixes to allotted space on panel main control board	Environmental:	
Comms protocol	RS 485	Temp range	-10°C to +60°C
Baud rates	57600, 38000, 33600, 28800, 19200, 14400, 9600, 4800, 2400, 1200, 600, 300.	Humidity range	10% to 90% RH (non condensing)
Wiring	Two cores twisted screened pair - 0.5mm ² minimum	EMC	CE marked (EEC89/336)
Current consumption	70 mA (total effective load from 24V supply)	Construction:	
Indication	LEDs green - power on red (x3) - transmission	Dimensions	PCB 120mm (H) x 55mm (W)
Detection principle	Dual chamber ionization, source < 1 µC Am241	Height	120mm
		Weight	62g

Ziton
 8 Newmarket Court Chippenham Drive Kingston Milton Keynes MK 10 0AQ United Kingdom
 Telephone +44 (0) 1908 281981 Fax +44 (0) 1908 282554 email zitonuk@ziton.spx.com

Ziton (Pty) Ltd
 Ziton House 555 Voortrekker Road Maitland 7405 PO Box 181 Maitland 7404 South Africa
 Telephone +27 (0)21 506 6000 Fax +27 (0)21 506 6100 email zitonsa@ziton.spx.com

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