48601

ZP3 Series - ZP3AB-RS232 Communications Board RS232

Connects panel to external devices

The ZP3AB-RS232 is a serial communications interface which can be attached directly onto the ZP3 main control board, inside the panel enclosure. The board is used to connect the fire alarm panel to external devices for example a desk top printer, or to associated equipment such as graphics displays, pocket paging and building management systems.

Serial communication between the fire alarm panel and external device operates by RS232 protocol, over a 5 wire screened connection. The ZP3AB-RS232 board is defined in the ZP3 fire alarm panel menu as Port 1 and a range of software protocols can be selected to match the requirements of the external communicating system or device.

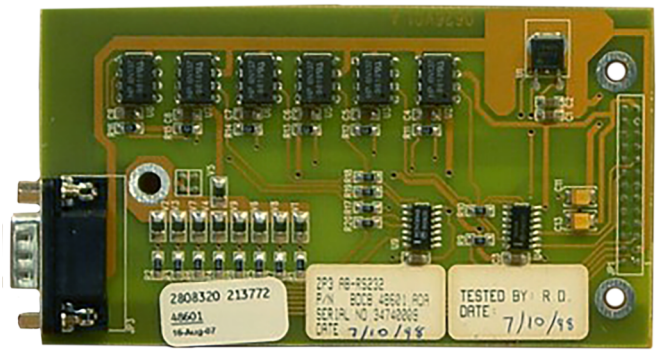
Operates up to 50 metres

RS232 communication is usually specified for local connection, with cable lengths no greater than 10 metres. The ZP3AB-RS232 can be operated over distances of up to 50 metres provided slower bit rates are selected from the system setup menu, during commissioning. Communication leads should be provided with standard 9 pin D type connector at the fire alarm panel and a suitable plug, either 9 pin D, or 25 pin D at the connected device.

Interface board parameters for example protocol type, baud rate and parity, are simple to configure via the communications menu, within the system software setup programme.

Cost effective options

The ZP3AB-RS232 serial communications 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.



Details

- Optional communications interface for connection to external devices
- Housed inside standard panel enclosure
- Selectable software protocols to match external equipment
- Direct connection up to 50 metres

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Technical specifications

General

Compatibility	ZP3 control panels
Communication ports	RS232

Electrical

Current consumption	65 mA (total effective load from 24 V supply)

Physical

Physical dimensions	120 x 55 mm (H x W)
Net weight	53 g
Mounting type	PCB mount, Plug-in
Material	ABS

Environmental

Operating temperature	-10 to +60ºC
Storage temperature	10 to 90% noncondensing

Comms Protocol Selectable parameters

	0 - port disable
	1 - ZCP2 multi telegram, full handshake
	2 - ZCP2 single telegram, single direction TX, no handshake
	7 - ZCP2 single telegram, full handshake

Baud rates

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

Wiring

	5 cores screened. Cable length up to 50 m subject to baud rate

Connection

	9 pin D connector at fire alarm panel, 9 pin D or 25 pin D connector to suit external device (not supplied)

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Last updated on 14 October 2026 - 16:55