48202

ZP3 Series - ZP3AB-SCB-D Bus Driver EN54

Connects up to 32 remote control units

The ZP3AB-SCB-D serial control bus driver is attached directly onto the ZP3 main control board inside the panel enclosure. It provides the means to connect and operate from 1 to 32 remote display units (ZP3-RDUB1) and or remote control units (ZP3AB-SCB-R), enabling repeat indication and system control, at locations remote from the main panel position.

Serial communication between the main panel and remote display units operates by RS485 protocol, over twisted screened pair wiring.

RS 485 protocol

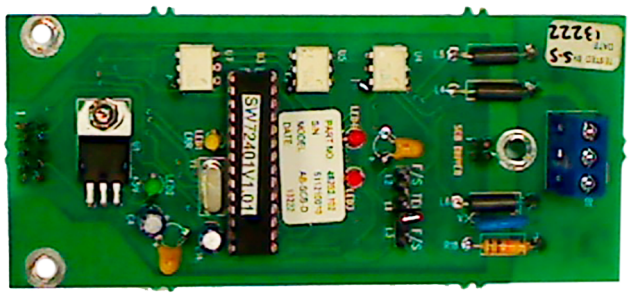
Total cable length (regardless of the number of remote units connected to a main panel) can be up to a maximum of 2 kilometres. On larger sites, where the remote display wiring network may exceed 2 kilometres, this maximum can be extended by the addition of RS 485 booster units or optical fibre connection.

Designed to provide installation flexibility, system wiring can be daisy chained or teed off with spurs. Wiring should be completed in data quality twisted screened pair cable with a minimum core diametre of 0.5 mm². Jumper terminating switches are provided on both optional board and on the PCB of each remote display unit, which are set at the system commissioning stage.

Cost effective options

The ZP3AB-SCB-D serial control bus driver 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, which 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 driver for up to 32 remote display
- Housed inside standard panel enclosure
- RS 485 communication protocol
- Flexible wiring connection

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Technical specifications

General

Compatibility	ZP3 control panels
Communication ports	RS485

Electrical

Current consumption	40 mA

Physical

Physical dimensions	120 x 55 mm (H x W)
Net weight	53 g
Mounting type	PCB mount

Environmental

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

Mounting

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

Wiring

	Two cores twisted screened pair, max cable length 2km for all remote units connected to a ZP3 panel
	Cable lengths greater than 2 km via RS 485 booster or fibre optic connection

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