Product Data

ZITON Z

PS1309.3

The ZP3AB-SCB is a serial control bus driver, which can be 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.
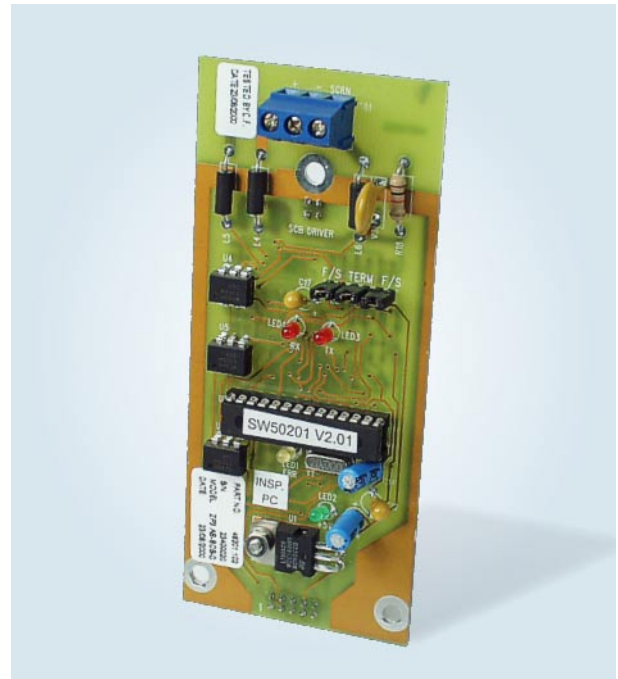
Serial communication between the main panel and remote display units operates by RS 485 protocol, over twisted screened pair wiring.

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 mm^2. 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.

The ZP3AB-SCB 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, 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.
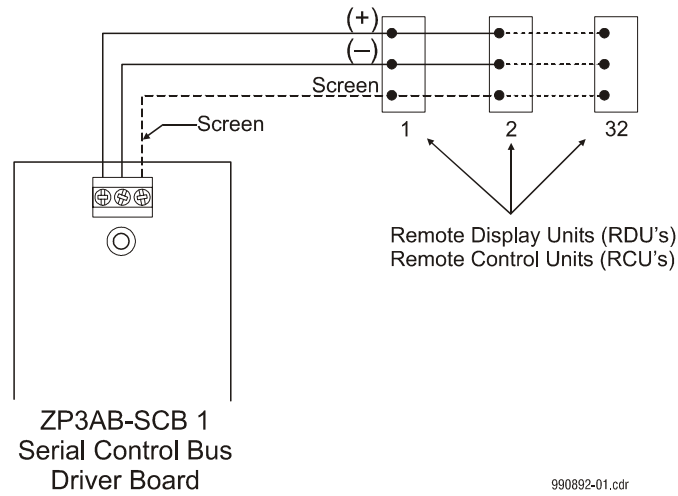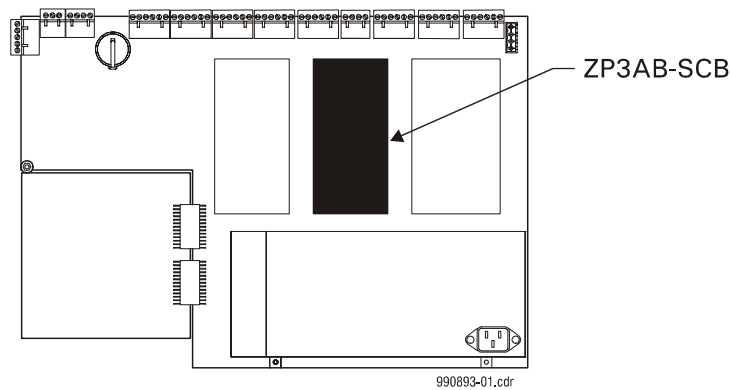

ZP3AB-SCB-D

Remote Display Unit Interface

- **Optional driver for up to 32 remote display units**

- **Housed inside standard panel enclosure**

- **RS 485 communication protocol**

- **Flexible wiring connection**

Dimensions

(+)
(−)
Screen

Screen

1   2   32

Remote Display Units (RDU's)
Remote Control Units (RCU's)

ZP3AB-SCB 1
Serial Control Bus
Driver Board

990892-01.cdr

ZP3 Panel – main board location

ZP3AB-SCB

990893-01.cdr

Specification

Model No.	ZP3AB-SCB-D	Environmental:	
Description	Remote display unit interface card	Temp range	-10°C to +60°C
Compatibility	ZP3 control panels	Humidity range	10% to 90% RH (non condensing)
Mounting	Plug and socket - fixes to allotted space on panel main control board	Construction:	
		Dimensions	PCB 120mm (H) x 55mm (W)
Comms protocol	RS 485	Weight	53g
Current consumption	40 mA		
Wiring	Two cores twisted screened pair		
	Max cable length 2km for all remote units connected to a ZP3 panel.		
	Cable lengths greater than 2km via RS 485 booster or fibre optic connection.		