

## **Brief description**

The ZP3AB-SCB-D board is a serial control bus driver used to connect a number of remote display units (RDU's) and remote control units (RCU's) to a ZP3 pane

# **Specifications**

#### **General information**

Designation Model number Part number Compatibility **Primary supply** Operating voltage Current (quiescent) Current (maximum) Environmental Temperature range Humidity range Mechanical details Dimensions (H x W) Weight

Serial control bus ZP3AB-SCB-D 0482 ZP3 range of pan

19.6 to 28 VDC 28 mA 78 mA

-10 to +60 °C 10 to 90% RH (non-condensing)

120 x 55 mm 53 g

#### Manufacturer traceability

A barcode label is affixed to each product (see example below). This label reflects, amongst other things, the date of manufacture of the product in the form YYDDD.



These numbers are interpreted as follows: YY = year of manufacture

DDD = day of manufacture

For example the numbers 07134 would indicate that the product was manufactured on the 134<sup>th</sup> day of the year 2007, that is 14<sup>th</sup> May 2007.

# Installationinstructions

- Power down the ZP3 panel. 1.
- Refer to Figure 1. Remove three M4 x 8 screws 2 Cated around Z-Port 2 on the ZP3 main board. Replace screws with three M4 x 18 stand off and woshers included with the ZP3AB-SCB-D board. Align and insert the ZP3AB-SCB-D board. Make sure of proper alignment and port location. 5 Secure with three M4 x 8 screws and washers (supplied).

## Figure 1: Mounting the ZP3AB-SCB-D board





- 6. Refer to Figure 2. Connect RDU screen on the ZP3AB-SCB-D board (ZP3 panel side) but NOT on the RDU's themselves.
- 7. Connect the wiring from the ZP3AB-SCB-D board in the ZP3 panel to the SCB connections in the RDU and RCU panels.
- 8. Terminate the wiring at the ZP3 panel by connecting the jumpers as shown in Figure 2. All other panels must not be terminated, i.e. their jumpers must be removed.

Do NOT connect screen

to RDU terminal

## Figure 2: ZP3AB-SCB-D board

Navigate to the following menu: Setup/System configuration/peripheral comms/RDU/SCB on line.

The address of an RDU may not be higher than the number of RDUs configured to be to online. If this value is set to 32 then RDUs can be connected with addresses ranging from one to 32. This number thus defines the valid RDU address numbers and not the amount of RDUs connected. All RDUs that have addresses higher than the number entered for RDUs online will not have control abilities.

If this number is set to 63, the address at the RDU can be set to any address from 0-63. If this number is set to 1, only addresses 0 and 1 can be set on the RDU unit.



9. Power up the ZP3 panel and configure the number of RDU/SCBR's online, this defines the number of RDU's that can be connected to the panel.

The ZP3 panel can operate 64 remote display units. The address range for the RDU is 0-63 this gives 64 available address options. The RDU is wired to the panel via the ZP3AB-SCB1 SCB driver board.

Usage: Fit the ZP3AB-SCB1 board to the ZP3 panel using the interface marked 'RDU interface'. Accept devices on the panel. The SCB software stream for the 71910 EN panel is SW72401. Once the SCB driver board has been accepted the user can view the SCB driver software under operator/reports to display. Configure the SCB online, this defines the number of RDU's that can be connected to the panel.