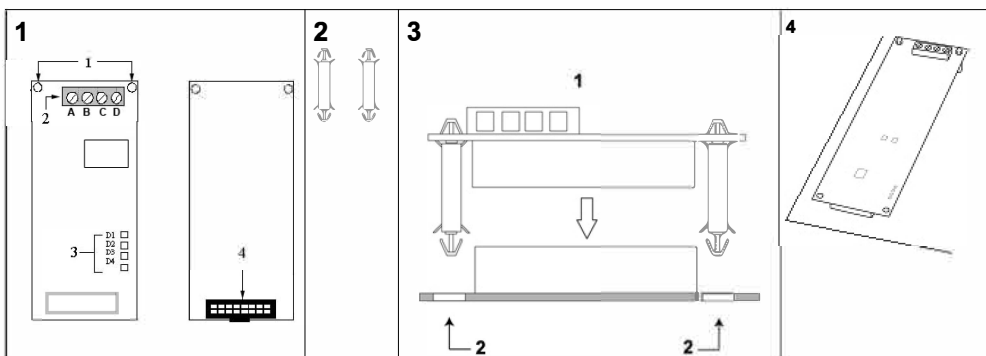


SPCN110



PSTN Module, V90
Módulo de modem PSTN, V90
Modul PSTN, V90
Moduł telefoniczny PSTN, V90

STEP: A6V10209199, Edition: 17.09.2008



English

⚠ Before starting to install and work with this device, please read the Safety Instructions.

Introduction to the SPCN110

The SPCN110 provides the SPC controller with a standard analogue line interface for enhanced communications and connectivity. The Unit connects to the controller board via a 16 pin connector and is secured by 2 mounting pillars. The SPCN110 provides a 4 pin terminal block to connect the PSTN line and 4 status LED's to provide a visual indication of the current status.

See Fig:	1	Top of Module (left) and Underside (right)
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1. Mounting pillar holes (x2)

The SPCN110 contains 2 mounting pillar holes which allow the mounting pillars to be inserted for securing the board to the PCB. For further information see Section - Installing the PSTN Module.

2. PSTN Line Terminal Block

The terminal block for the PSTN line consists of 4 screw terminals (A, B, C, D). The PSTN line connects to the AB terminals. A PSTN telephone may be connected to the CD terminals.

3. Status LED's

The 4 SPCN110 status LED's indicate the following conditions:

LED 1	ON – Line fault detected OFF – No line fault detected.
LED 2	ON – Carrier signal detected OFF – No Carrier Signal detected.
LED 3	ON if the modem is off-hook OFF if the modem is on-hook.
LED 4	Flashing (1Sec ON/OFF) indicates that the PSTN module hardware is functioning correctly.

4. Controller Interface Terminal Block

The interface to the SPC controller is comprised of a dual in-line socket for mounting onto the 16 pin header on the PCB. This interfaced is keyed to ensure the SPCN110 is inserted onto the board in the correct orientation.

Installing the SPCN110

The SPCN110 is supplied with 2 X mounting pillars (See Fig.2) for securing the module to the controller PCB. To install the module onto the controller adhere to the following steps:

- > Power down the controller. (Disconnect the battery leads from the battery if one is connected.)
- > Insert one end of each of the two mounting pillars into the holes provided at the top of the SPCN110. (The two holes on either side of the PSTN line connector block). Push firmly until each is secured in place.
- > Align the interface terminal block of the SPCN110 (with pillars inserted) over the SPC controller interface terminal on the PCB (see Fig. 3).
- > Slowly but firmly push the module down onto the PCB until both mounting pillars are secured to the PCB and the interface terminal block is connected.
- > Check that the module appears correctly connected (see Fig. 4) and then power-up the controller again. LED 1 on the PSTN module will flash regularly (once every 2 seconds approx) to indicate that the PSTN module hardware is functioning correctly.

See Fig:	2	Mounting Pillars
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See Fig:	3	PCB with Mounting Pillars
1	SPCN110 with mounting pillars inserted	
2	PCB Mounting Pillar holes	

See Fig:	4	Correctly installed SPCN110
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WARNING Do not install a SPCN110 on a powered controller.



When installing plug-in modules on the SPC controller PCB always ensure that the primary modem (Left slot) is installed before installing a back-up module (right slot). A single modem installed in the right slot will not function as a primary modem.



The backup module (right slot) on the SPC controller uses the same communication channel as serial port 2. Please ensure that no devices are connected to serial port 2 when the backup modem is installed.

Installation Instruction

Configuring the SPCN110

For configuration instruction please refer to SPC Configuration Manual.

Technical Data

Communication protocol	Analogue alarm protocols (e.g. SIA, Contact ID), PPP dial up
Interfaces	1 x 16-pin socket to controller interface, 1 x PSTN line screw terminal
Status LEDs	4
Network connection	PSTN (analogue telephone network)
Current consumption	Min. 20 mA at 12 V DC Max. 35 mA at 12 V DC
Operating temperature	5 - 40 °C
Relative humidity	Max. 90 % (no condensation)
Mounting	Plug on module for SPC controller
Standards	Designed to meet EN50131-1:2006 (Grade 3), TS50131-3:2003 (Grade 3)

Dane techniczne