

# SPC4320

## SPC G2 Intrusion System

VANDERBILT



### IP Based Intrusion system with embedded web server

Vanderbilt's SPC4330 control panel combines in an optimal way intrusion and access functionality in one system and can be expanded according to specific customers and project needs with up to 32 zones (8 on-board), 30 outputs (6 on-board), 4 system keypads, 4 doors, 8 verification zones. The controller provides 1 X-BUS port (1 spur), 4 areas, 100 users with different access levels, memory for 1'000 intrusion and 1'000 access events, integrated Web Server, 2 terminals for the pluggable PSTN and GSM/GPRS communication options, on-board Ethernet interface.

The system is expandable with wireless receivers and supports up to 32 wireless detectors (mixed with wired zones).

The panel comes in a tamper protected metal housing with space for an optional 7 Ah battery.

### Key Features include:

- On board Ethernet
- Multi Lingual support
- EN50131 compliant
- 50136 communications
- Long Battery capacity
- Front and back tamper
- Definable Schedules
- Cause and effect engine
- Access control functions
- Audio and Video Verification

### Key Numbers:

- 100 Users
- 32 Zones
- 30 Outputs
- 4 Keypads
- 4 Doors
- 4 Areas

### Applications:

- Domestic
- Small commercial

### Languages:

- English
- German
- French
- Spanish
- Portuguese
- Swedish
- Norwegian
- Czech
- Danish
- Finnish
- Italian





## Features & Benefits

### ■ Communications

The SPC system provides a powerful portfolio of communication options. The system is capable of offering IP based, 50136 compatible communications. Along with traditional analogue communications.

### ■ Configuration

The SPC family provides a common interface for configuration across the range. Each system can be configured locally from a keypad or the connecting directly to the on board web server. Remotely the web server provides the ability to support customers and alter functionality.

### ■ International approvals

Compliance with international standards – such as

- EN, SES
- NF
- INCERT
- IMQ

It is crucial to ensure that security systems are installed professionally and remain reliable.

### ■ Commercial

The integrated commercial capability enables you to easily configure and operate commonly used procedures for commercial applications such as intelligent handling of common areas, and additional functions for system monitoring.

### ■ Cause and Effects

The functionality of the SPC system can be extended to fit specific customer or market requirements. Various triggers from the system (e.g. zones, areas, user identifications, schedules) can be logically combined in order to activate specific processes.

### ■ User management

The system provides you with the ability to control user's intrusion and access rights. SPC offers support for a range of access readers. User's rights can be restricted by time, day or area.

## Advanced Features

### ■ User definable functions

The functionality of the SPC system can be extended to fit specific customer or market requirements. Various triggers from the system can be logically combined in order to activate specific processes

### ■ Remote Access anywhere

Using SPC Connect any IP enabled SPC panel can be remotely accessed. Providing remote access to customers to the web interface and mobile app access.



### ■ Technical Data

| Intrusion                      |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| Max. number of hardwired zones | 32                                                                              |
| Hardwired zones On board       | 8                                                                               |
| Max. number of outputs         | 30                                                                              |
| Programmable areas             | 4                                                                               |
| Max. number of users           | 100                                                                             |
| SMS Max, Pace Max              | 32, 32                                                                          |
| Event memory                   | 1,000 intrusion events                                                          |
| EOL resistor                   | 4K7/4k7 (default), 25 other resistor combinations selectable, Anti-mask support |
| Interfaces                     | 1 X-BUS (1 spur)<br>2 RS232<br>1 USB<br>1 Fast Programmer<br>1 Ethernet (RJ45)  |

| ACCESS                                  |                                                                                                                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Event memory                            | 1,000 access events                                                                                                                                                                             |
| Max. number of doors (entry/entry-exit) | 4/2                                                                                                                                                                                             |
| Max. number of door groups              | 2                                                                                                                                                                                               |
| Supported card technologies             | <ul style="list-style-type: none"> <li>• Mifare Classic 1K</li> <li>• Cotag</li> <li>• DESfire</li> <li>• EM4102</li> <li>• Wiegand (26-bits, 37 bits)</li> <li>• HID 1000 Corporate</li> </ul> |
| Special functions                       | Pass-back prevention (soft / hard), Custodian, Escort System arming functions                                                                                                                   |

### Wireless

|                                                                                       |         |
|---------------------------------------------------------------------------------------|---------|
| Max wireless zones                                                                    | 32      |
| Max Wireless Fob                                                                      | 32      |
| Max. number of wireless detectors received by any wireless access point (recommended) | 20      |
| Compatible wireless module                                                            | SPCW110 |

### CONNECTIVITY

|                                             |                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------|
| Web Server                                  | HTTPS (embedded) TLS encrypted                                              |
| IP                                          | Native integrated                                                           |
| Pluggable Communication Interfaces          | PSTN or GSM/GPRS modem (max. 2 optional modems)                             |
| Standard Communication Protocol             | SIA, Contact ID, SMS messaging                                              |
| Fast Programmer Support                     | Yes                                                                         |
| Firmware Upgrade                            | Local/Remote upgrade for Controller, Expanders, Com-Modules                 |
| Alarm transmission paths                    | IP over Ethernet,<br>IP over GPRS,<br>PSTN GSM                              |
| Alarm transmission protocols IP             | FlexC – Multipath communication<br>EDP                                      |
| Alarm transmission protocols analogue based | SIA, SIA Extended 1, SIA extended 2, Fast format, Contact ID, SMS messaging |

### Power and Mechanical

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Mains Voltage              | 230 V AC, +10 to -15 %, 50 Hz                                                                                              |
| Operating Current          | Max. 160 mA at 12 V DC                                                                                                     |
| Quiescent current          | Max. 140 mA at 12 V DC                                                                                                     |
| Output voltage             | 13-14 VDC in normal conditions (mains powered and fully charged battery),                                                  |
| Auxiliary power (nominal)  | Max. 750 mA at 12 V DC                                                                                                     |
| Battery type               | YUASA NP7-12FR (12 V 7 Ah), (batteries not supplied with product)                                                          |
| Tamper contact             | Front tamper switch                                                                                                        |
| Operating temperature      | 0 to +40 °C                                                                                                                |
| Housing                    | SPC4320.320: Metal housing (1.2 mm mild steel)<br>SPC4320.220: Metal base (1.2 mm mild steel), Plastic Lid (Polycarbonate) |
| Dimensions                 | SPC4320.320: 264 x 357 x 81 mm<br>SPC4320.220: 270 x 365 x 91 mm                                                           |
| Weight (without batteries) | 6.100 kg (housing incl. cover)                                                                                             |

## ■ Ordering Data

| Type | Art. No.         | Description    | Weight*  |
|------|------------------|----------------|----------|
| SPC  | V54541-C109-B100 | SPC4320.320-L1 | 4.500 kg |
| SPC  | V54541-C114-A100 | SPC4320.220-L1 | 3.700 kg |

\* Total weight of the product inclusive of the weight of its accessories and packaging.

## ■ Additional Ordering Data

| Type                | Art. No.         | Description                                                                  |
|---------------------|------------------|------------------------------------------------------------------------------|
| <b>Keypads</b>      |                  |                                                                              |
| SPCK520.100-N       | V54543-F115-A100 | Compact Keypad with graphical display and audio                              |
| SPCK521.100-N       | V54543-F116-A100 | Compact Keypad with graphical display, card reader and audio                 |
| SPCK620.100         | V54543-F110-A100 | LCD keypad with graphical display                                            |
| SPCK623.100         | V54543-F111-A100 | LCD keypad with graphical display, card reader and audio                     |
| SPCK420.100         | V54543-F101-A100 | LCD keypad with 2 x 16 characters                                            |
| SPCK421.100         | V54543-F102-A100 | LCD keypad with 2 x 16 characters and integrated card reader                 |
| <b>Expanders</b>    |                  |                                                                              |
| SPCE452.100         | V54542-F107-A100 | Expander with 8 outputs, back tamper                                         |
| SPCE652.100         | V54542-F106-A100 | Expander with 8 inputs and 2 outputs, back tamper                            |
| SPCW130.100         | V54554-F101-B100 | SiWay RF-expander                                                            |
| SPCA210.100         | V54547-A101-A100 | 2-door expander                                                              |
| SPCP432.300         | V54545-C103-A100 | Smart PSU with 2-door expander, G2-housing                                   |
| SPCP433.300         | V54545-C104-A100 | Smart PSU with 2-door expander, G3-housing                                   |
| SPCE110.100         | V54542-F104-A100 | Keyswitch expander with 2 LEDs and 3-position key switch                     |
| SPCE120.100         | V54542-F105-A100 | Indication expander with 16 LEDs, 4 function keys and integrated card reader |
| SPCW130.100         | V54554-F101-B100 | SiWay RF-expander                                                            |
| SPCP332.300         | V54545-C102-A100 | Smart PSU with 8 inputs and 2 outputs, G2-housing                            |
| SPCP333.300         | S54545-C101-A100 | Smart PSU with 8 inputs and 2 outputs, G3-housing                            |
| SPCP355.300         | S54545-C105-A100 | Smart PSU with 8 inputs and 6 outputs, G5 metal housing                      |
| <b>Accessories</b>  |                  |                                                                              |
| IPAW8-10            | V54538-F107-A100 | Wireless personal alarm                                                      |
| IRCW6-11            | V54543-F109-A100 | SiWay remote control, white replaceable battery                              |
| IPAW6-10            | V54538-F108-A100 | Wireless Personal Alarm Button                                               |
| <b>Verification</b> |                  |                                                                              |
| SPCV340.000         | V54542-F108-B100 | Audio expander with 4 inputs and 1 output                                    |
| SPCV341.000         | V54542-F109-B100 | Audio expander with 4 inputs and 1 line output                               |
| SPCV310.000         | V54542-F120-A100 | Audio satellite                                                              |
| SPCV440.000         | V54542-F118-A100 | Combi audio expander for MAGIC motion detectors with 4 inputs and 1 output   |
| SPCV410.000         | V54542-F119-A100 | Combi audio satellite for MAGIC motion detectors                             |
| CCMS2010-IR         | S54561-C112-A100 | 1/2.7" 2MP Compact IP Camera PoE(LAN)                                        |

### Access

|           |              |                                      |
|-----------|--------------|--------------------------------------|
| AR6181-MX | 6FL7170-8BK  | Multi-technology card reader         |
| PP500-EM  | V54501-F1-A1 | Heavy-duty card and PIN reader       |
| AR6182-RX | 6FL7170-8AE  | Multi-technology card and PIN reader |

### Detectors

|          |                  |                                                    |
|----------|------------------|----------------------------------------------------|
| PDM-I12  | V54530-F114-A100 | MAGIC PIR detector, 12m wide angle                 |
| PDM-I12T | V54530-F105-A100 | MAGIC PIR detector, 12 m wide angle with Anti-mask |
| PDM-I18  | V54530-F106-A100 | MAGIC PIR detector, 18 m wide angle                |
| PDM-I18T | V54530-F107-A100 | MAGIC PIR detector, 18 m wide angle with Anti-mask |
| MK-1400  | V54536-F101-A100 | Magnetic contact                                   |

|            | Part code        | 12M | 18M | Anti-Mask | MW frequency 9.35GHz (D freq.)                                                                      | MW frequency 10.525GHz (A freq.)                                                                                                                                                                                                                              | MW frequency 10.587GHz (E freq.) |
|------------|------------------|-----|-----|-----------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|            |                  |     |     |           | Austria, Czech Republic, Estonia, Germany, Liechtenstein, Luxembourg, Slovakia, Switzerland, Turkey | Belgium, Bulgaria, Cyprus, Denmark, Finland, Greece, Iceland, Italy, Latvia, Lithuania, Malta, Netherland, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Bosnia & Herzegovina, Georgia, Croatia, Macedonia, Montenegro, Russia, Serbia, Ukraine | France, Hungary, Ireland, UK     |
| PDM-IXD12  | V54531-F113-A100 | X   |     |           | X                                                                                                   |                                                                                                                                                                                                                                                               |                                  |
| PDM-IXD12T | V54531-F116-A100 | X   |     | X         | X                                                                                                   |                                                                                                                                                                                                                                                               |                                  |
| PDM-IXD18  | V54531-F121-A100 |     | X   |           | X                                                                                                   |                                                                                                                                                                                                                                                               |                                  |
| PDM-IXD18T | V54531-F121-A100 |     | X   | X         | X                                                                                                   |                                                                                                                                                                                                                                                               |                                  |
| PDM-IXA12  | V54531-F113-A100 | X   |     |           |                                                                                                     | X                                                                                                                                                                                                                                                             |                                  |
| PDM-IXA12T | V54531-F116-A100 | X   |     | X         |                                                                                                     | X                                                                                                                                                                                                                                                             |                                  |
| PDM-IXA18  | V54531-F119-A100 |     | X   |           |                                                                                                     | X                                                                                                                                                                                                                                                             |                                  |
| PDM-IXA18T | V54531-F122-A100 |     | X   | X         |                                                                                                     | X                                                                                                                                                                                                                                                             |                                  |
| PDM-IXE12  | V54531-F114-A100 | X   |     |           |                                                                                                     |                                                                                                                                                                                                                                                               | X                                |
| PDM-IXE12T | V54531-F117-A100 | X   |     | X         |                                                                                                     |                                                                                                                                                                                                                                                               | X                                |
| PDM-IXE18  | V54531-F120-A100 |     | X   |           |                                                                                                     |                                                                                                                                                                                                                                                               | X                                |
| PDM-IXE18T | V54531-F123-A100 |     | X   | X         |                                                                                                     |                                                                                                                                                                                                                                                               | X                                |

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