

SPCA210

SPC 2-Door Access Control Expander

VANDERBILT



SPC 2 Door Access expander

Vanderbilt's SPCA210 combined with the SPC panel offers customers the ability to provide a low cost access functions to their intrusion system. When added to the SPC the system will automatically assign doors to the expander and provide powerful access functions. The access functions are designed to work in cooperation with the intrusion system allowing for system control and status information. Standard intrusion users can be extended with access functionality by simply adding a card. Intrusion and access rights are interlinked ensure security and safety.

Key Features include:

- Intrusion system control
- Configurable access rights
- Standalone
- Easy configuration
- Door monitoring
- Remote access
- Card per user
- Door monitoring
- Cause and effect intergration
- Interlock
- Anti passback
- Custodian
- Emergency unlock
- Card and pin configuration options
- Configurable zone type
- Audio and Video Verification option

Key Numbers:

- 2 reader interface
- 2 DPS inputs
- 2 DRS inputs
- 2 Outputs
- 512 Offline cards
- 20+ reader formats

Reader formats:

- Wiegand 26 bit
- Wiegand 36 bit
- EM4102
- Cotag
- HID 37
- AR618
- HID iClass Mifare
- Other Wiegand formats

Operations:

- Card and code
- Card only
- Code only
- Arm/disarm system
- Cause and effect integrated





Features & Benefits

■ Intrusion system control

The SPC system provides a powerful portfolio of options that allow for system control. Each door can be configured to arm and disarm the system. With additional functions to prevent accidental arming.

■ Configurable user rights

A user's access to a door can be allowed, blocked or configurable by calendar. This can be further expanded by the fact that each user can have up to 5 profiles assigned allowing for almost all configurations.

Intrusion areas when armed cannot be accessed by users who do not have rights to disarm.

■ Standalone

Each SPCA210 has the capacity to operate when communication to central SPC has been lost. This provides a sub set of users (512) card permissions to each door.

■ Easy configuration

The integration of the intrusion and access system means that the configuration of users is faster and easier to explain to customers, a single system for access and intrusion, providing users with a single pin. Using the web interface or keypad you can quickly and easily enrol cards and configure the door configuration.

■ Door monitoring

The inputs on the module can also be used as part of the intrusion system, zones can be configured as Alarm, Entry/Exit, Tech or unused.

Inputs and outputs when not assigned to door can be freely used.

■ Remote Access

Using SPC connect or the SPC embedded web server users can remotely grant access to users, lock and unlock doors.



■ Technical Data

Functional

| | |
|---------------------------|---|
| Number of on-board zones | 4, for door release switch (DRS) and door position switch (DPS), or freely programmable |
| EOL resistors | Dual 4k7/4k7 (default), |
| Number of on-board relays | 2, for door locks or freely programmable (single-pole changeover, 30 V DC / max. 1 A resistive switching current) |
| LED indicators | 4 outputs (1 void and 1 valid per reader) |
| Number of card readers | 2 |

Power and Mechanical

| | |
|-----------------------|--|
| Operating voltage | 9.5 ~ 14 V DC |
| Operating current | Max. 80 mA at 12 V DC (all relays activated) |
| Quiescent current | Max. 45 mA at 12 V DC |
| Operating voltage | 9.5 ~ 14 V DC |
| Operating current | Max. 80 mA at 12 V DC (all relays activated) |
| Tamper contact | Front spring tamper |
| Operating temperature | -10° ~ +50 °C |
| Housing | Plastic housing (ABS) |
| Colour | RAL 9003 (signal white) |
| Dimensions | 200 x 153 x 47 mm (housing), 150 x 82 x 20 mm (PCB) |
| Weight | 0.360 kg |

| Type | Art. No. | Description | Weight* |
|----------|------------------|-------------|---------|
| Expander | V54547-A101-A100 | SPCA210 | 0.360Kg |

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

Additional Ordering Data

| Type | Art. No. | Description |
|-------------------|------------------|---|
| SPC Panels | | |
| SPC6350.320-L1 | V54541-C118-A100 | SPC control panel, 16-512 zones, Ethernet, G5 metal housing |
| SPC6330.320-L1 | V54541-C105-C100 | SPC control panel, 8-512 zones, Ethernet, G3 metal housing |
| SPC5350.320-L1 | V54541-C117-A100 | SPC control panel, 16-128 zones, Ethernet, G5 metal housing |
| SPC5330.320-L1 | V54541-C107-B100 | SPC control panel, 8-128 zones, Ethernet, G3 metal housing |
| SPC5320.320-L1 | V54541-C106-B100 | SPC control panel, 8-128 zones, Ethernet, G2 metal housing |
| SPC4320.320-L1 | V54541-C109-B100 | SPC control panel, 8-32 zones, Ethernet, G2 metal housing |
| SPC4320.220-L1 | V54541-C114-A100 | SPC control panel, 8-32 zones, Ethernet, G2 housing with metal base and plastic cover |
| Keypads | | |
| 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 |
| Expanders | | |
| 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 |
| 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 |
| Detectors | | |
| PDM-I12 | V54530-F114-A100 | MAGIC PIR detector, 12m wide angle |
| PDM-I18 | V54530-F106-A100 | MAGIC PIR detector, 18 m wide angle |
| MK-1400 | V54536-F101-A100 | Magnetic contact |

Accessories

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|----------|------------------|---|
| IPAW8-10 | V54538-F107-A100 | Wireless personal alarm SiWay remote control, white replaceable battery |
| IRCW6-11 | V54543-F109-A100 | |
| IPAW6-10 | V54538-F108-A100 | Wireless Personal Alarm Button |

Verification

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|-------------|------------------|--|
| 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

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|------------------------|------------------|--------------------------------------|
| HFS LWA AES / CDA2 | V54547-Z101-A100 | HF reader |
| HFS TKWA AES / CDA2 | V54547-Z102-A100 | HF reader with keypad |
| HFS LWA APW / CDA2 | V54547-Z101-A200 | HF reader |
| HFS TKWA-APW / CDA2 | V54547-Z102-A200 | HF reader with keypad |
| 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 |



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