



SPC5350

SPC control panel, G5 housing

Intrusion control panel, G5 housing, IP interface, V3.4

- 128 zone intrusion control panel with access functionality
- Fully integrated secure IP based communication
- Smart power supply with 2.2 A auxiliary power
- Spacious G5 housing with space for 2 x 27 Ah batteries

Scalable system: The SPC5350 control panel seamlessly integrates intrusion and access functionality in one system. It can be expanded with up to 128 zones, 128 outputs, 16 system keypads and 16 doors according to customer and project needs.

High speed communication: Native IP integration provides secure, high speed connectivity to and from the SPC control panel for concurrent and global end users, installers, and service providers.

Robust and intelligent power supply: The fully supervised power supply delivers a total of 2.2 A on 8 fused 12 V DC outputs to auxiliary devices, such as SPC peripherals or detectors. It also independently charges 2 x 27 Ah batteries for safe battery handling (patent pending).

Other Comprehensive System Features

Embedded Web Server: The SPC panel provides an on-board web server and can be accessed from anywhere in the world via a standard web browser without the need for a specific application program. The intuitive interface allows easy configuration and operation with secure HTTPS (SSL encryption). The concept supports dynamic IP panel addresses by means of an SPC portal service.

IP based digital Audio/Video Verification: IP cameras and audio devices (audio expanders or keypads with audio) can be easily combined to create verification zones. The captured and digitized pre-, post- and live event audio streams and video images are transmitted over IP to the ARC/CMS to allow short decision and intervention times on alarms with superb true alarm rate.

Advanced Security Functions for Banking Applications: The integrated financial capability enables you to easily configure and operate commonly used procedures for banking applications such as intelligent handling of ATM or vault rooms, separation of people at entry, automatic seismic detector testing or easy to operate wireless personal security devices.

Reliable High-Speed Field Bus: The high-speed Expander Bus (X-BUS with 307 kB/s) is a fast and reliable backbone for all system installations with up to 400 m distance between each bus device. The loop topology protects the system against possible communication faults caused by an interrupt or short circuit by isolating the faulty branch in the loop.

Multilingual System: English and 4 other languages can simultaneously run on the system which makes the SPC the perfect choice in an international and multilingual environment. Each end user can operate the system in their native language which makes handling safer and easier.

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.

Seamless Wireless Integration: Wireless detectors and remote controls can transmit their information to the SPC control panel via the installed RF access points (SPC devices with RF receivers). This multi-path reception allows excellent wireless coverage with high reliability throughout the entire building. The wireless zones can be mixed and matched with wired zones for cost effective installation with minimal wiring.

Extensive software suite with strong remote capabilities/access: A comprehensive tool suite offers additional benefits to end users, installers and service providers in combination with the SPC panels. The tools address the specific needs which occur when remotely operating, monitoring, installing or maintaining a single-site or multi-site system.

Easy user management: Profiles for users and calendars allow quick and simple creation and editing of multiple users with the same intrusion and access rights in the system.

Advanced door control: Card readers allow an easy entry or exit with card and/or PIN through entry/exit doors, combined with automatic setting and unsetting of areas depending on the individual user rights. The doors can be enabled with a choice of access functions such as anti-pass back, custodian or escort.

Spacious G5 housing: The panel comes in a spacious, easy to mount and wire, metal housing that can cater for 2 x 27 Ah batteries, additional expanders, and LSA terminals.

Functional Features

INTRUSION	
Max. number of hardwired zones	128
Max. number of outputs	128
Programmable areas	16
Max. number of users	500
EOL resistor	4K7 (default), other resistor combinations selectable, Antimask support
Event memory	10'000 intrusion events
Languages	English (fixed) + 4 additional (selectable)
ACCESS	
Event memory	10,000 access events
Max. number of doors (entry/entry-exit)	16/16
Max. number of door groups	16
Supported card technologies	EM4102/SiPass, Wiegand (26-bits, 37 bits), HID Corporate 1000, Mifare Classic 1K, Cotag, DESfire (CSN)
Special functions	Pass-back prevention (soft / hard), Custodian, Escort
ADVANCED FUNCTIONS	
Calendar based time channels	32 (53-week calendar)
Cause & Effects	256 triggers / 128 mapping gates
Banking functions	supported
ALARM VERIFICATION	
Verification zones	8 verification zones with max. 4 IP-cameras and 8 audio devices.
Video	Up to 16 pre-/16 post-event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)
Audio	Up to 60 sec. pre/60 sec. post audio recording
WIRELESS	
Max. number of wireless zones ²⁾	120
Max. number of wireless remote controls	100
Max. number of wireless detectors received by any wireless access point (recommended)	20
CONNECTIVITY	
Web Server	HTTPS (embedded)
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
Local and Remote configuration (SPC Pro)	Via RS232, USB, PSTN, GSM, IP over Ethernet
Automated Remote Maintenance (SPC RM)	Via PSTN, GSM, IP over Ethernet
Automated Site Administration (SPC Safe)	Via IP over Ethernet
Multi-Site User Management (SPC Manager)	Via IP over Ethernet
IP Alarm transmission (SPC ComXT)	IP over Ethernet / GPRS
FIELD BUS	
Bus connections	X-BUS (2 spurs or 1 loop)
Number of field devices ¹⁾	48 (16 Keypads, 16 Door-expanders, 16 Input/Output expanders)

1) More I/O expanders can be addressed instead of a keypad or door expander, but number of programmable inputs/outputs cannot exceed specified system limits.

2) A wireless zone takes away a wired zone/optional RF access points required.

Technical data

SPC5350

Functional Data	
Number of on-board zones	16
EOL resistor	Dual 4K7 (default), other resistor combinations selectable
Relay Outputs	4 (single-pole changeover, 30 V DC / max. 1 A resistive switching current)
Electronic Outputs	5 (each max. 400 mA resistive switching current), 3 supervised (each max. 400 mA resistive switching current),
Interfaces	2 X-BUS (2 spurs or 1 loop) 2 RS232 1 USB 1 Fast Programmer 1 Ethernet (RJ45)
Power Data	
Mains Voltage	230 V AC, +10 to -15 %, 50 Hz
Operating Current	Max. 415 mA at 12 V DC (all relays activated)
Quiescent current	Max. 350 mA at 12 V DC
Output voltage	13-14 VDC in normal conditions (mains powered and fully charged battery),
Auxiliary power (nominal)	Max. 2200 mA at 12 V DC (8 separately fused outputs, max. 300mA per output)
Battery type	YUASA NP24-12 (12 V 24 Ah), Alarmcom AB1227-0 (12 V 27 Ah), (batteries not supplied with product)
Mechanical Data	
Tamper contact	Front/back tamper switch
Operating temperature	0 to +40 °C
Housing	Metal housing (1.5 mm mild steel)
Colour	RAL 9003 (signal white)
Dimensions	498 x 664 x 157mm
Weight (without batteries)	18.600 kg (housing incl. cover), 11.500 kg (housing without cover)

Ordering data

S54541-C117-A100

SPC5350.320-L1 Intrusion CP, G5