SPC53 Intrusion System

IP Based Intrusion System With Embedded Web Server



Acre security's SPC53 panel offers a seamless combination of intrusion and access control in a single system. It meets customer and project needs with remarkable flexibility and can manage up to 128 zones (8 on-board), 128 outputs (6 on-board), 16 system keypads, 16 doors, and 32 verification zones. The controller provides 2 X-BUS ports (2 spurs or 1 loop), 16 areas, 500 users with different access levels, memory for 10'000 intrusion and 10'000 access events, integrated Web Server, 2 terminals for the pluggable PSTN and GSM/GPRS communication options, and on-board Ethernet interface.

The system is expandable to support up to 64 2-way wireless detectors (mixed with wired zones).

The panel comes in a tamper protected metal housing with space for an optional 17 Ah battery.

Key Numbers

- **500 Users**
- **128 Zones**
- **128 Outputs**
- **16 Keypads**
- **16 Doors**
- **16 Areas**



Key Features

- On board Ethernet
- Multi Lingual support
- EN50131 compliant
- EN50136 communications
- Long Battery capacity
- Front and back tamper
- Definable Schedules
- Cause and effect engine
- Access control functions
- Audio and Video Verification

Applications

- Banking
- Supermarkets
- Jewellery stores

Languages

- English
- German
- French
- Spanish
- Swedish
- Norwegian
- Danish
- Finnish
- Czech
- Dutch
- Flemish
- Romanian
- Italian

Features & Benefits

Communications

Acre Intrusion provides a powerful portfolio of communication options. It is capable of offering IP based, EN50136 compatible communications along with traditional analogue communications.

Configuration

Acre Intrusion provides a common interface to support customers, alter functionality, and configure systems across the range. Each system can be configured locally from a keypad, Windows-based software, or by connecting directly to the on-board web server. Acre Intrusion Connect allows systems to be configured remotely.

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 acre Intrusion 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

Acre Intrusion provides you with the ability to control users' intrusion and access rights which can be restricted by time, day, or area. It also supports a range of access readers.

Advanced Features

User Definable Functions

The functionality of acre Intrusion 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 acre Intrusion Connect, any IP enabled acre Intrusion panel can be remotely accessed, providing remote access to customers to the web interface and mobile app access.

Technical Data

CONTROLLER DETAILS	
Areas	16
Supported Zones max. (wired & wireless)	128
Number of on-board zones	8
EOL Resistor	Dual 4k7 (default), other resistor combinations configurable
Supported Outputs max.	128
Outputs on PCB	6
Number of on-board relay outputs	2 (x 30V/3A resistive switching current)
Number of on-board open collector outputs	4 open collectors; internal bell, external bell, plus 2 freely programmable (each supplied via auxiliary output)
Log Intrusion	10000
Log Access	10000
Calendars	32
Triggers	512
Mapping Gates	128
Virtual Zones	20
Supported Active Languages / System	English + 4
Security Grade	Grade 3
Power Supply	Type A (per EN50131-1)
Mains Voltage	230VAC, + 10%/ -15%, 50/60Hz
Mains Fuse	500mA T (replaceable part on mains terminal block)

USER CREDENTIALS	
Users	500
Paces	250
Access Cards	500
SMS	50
Web Passwords	50
User Profiles	100

CONNECTIVITY	
Web Server	embedded
RS232	1
USB Interface	1 (micro USB)
Ethernet	1 x 10/100 Base-T full duplex

X-BUS	
X-BUS Interface	2
X-BUS Devices max.	48
X-BUS Keypads	16
X-BUS I/O Expanders	16
X-BUS Door Expanders	8

ACCESS CONTROL	
Doors Controllers	8
Card Readers max.	16
Supported Card Technologies	Mifare, Classic 1k, Cotag, DESfire, EM4102, Wiegand (26 & 37 bits, HID Corp 1000)

2-WAY WIRELESS	
Wireless Gateways	1
Wireless Keypads	4
Wireless Repeaters	4
Wireless Detectors max.	64
Wireless output devices max. bells/strobes (int./ext.)	16
FOBs max.	20

TRANSMISSION	
IP dialer EDP / FlexC	on-board
Internal modem ports max.	2 (for PSTN/GSM/Wireless)
FlexC max. no. of supported ATS	5
FlexC max. no. of supported ATP	15
Event Profile	10
Event Exceptions	50
Command Profiles	8

ALARM VERIFICATION	
Verification Zones	32
IP Cameras	4
Video	Up to 16 pre/16 post event images (by JPEG resolution 640 x 480, max. 1 frame/sec.)
Audio	Up to 60sec. pre/60sec. post audio recording
X-BUS Audio expanders max. SPC340 / SPC341 / SPCV440	16
Audio Satellites max.	Maximum 48 (3 per Audio expander)

ELECTRICAL AND ENCLOSURE DETAILS	
Operating current min.	40mA at 230V AC
Operating current max.	149mA at 12V DC
Quiescent current min.	38mA at 230V AC
Quiescent current max.	135mA at 12V DC
Output Voltage	13,8V DC in normal conditions (mains powered and fully charged battery), min. 10V DC when powered by secondary device (before system shut down to battery deep discharge protection)
Peak to Peak ripple	Max. 5% of output voltage
Auxiliary Power (nominal)	Max. 1900mA at 12V DC
Supported Battery capacity	17Ah
Battery Type (Battery not supplied)	YUASA NP17-12FR (12V/17Ah) - NF PowerSonic PS12170 (12V/17Ah) YUASA Yucel Y17-12IFR (12V/17Ah) Genesis NP18-12R (12V/17,2Ah)
Battery Charger	Max. 24h to 80% of battery capacity
Battery Protection	Current limited to 3A (fuse protected), deep discharge protection at 10V DC +/- 3%
Tamper Contact	Front spring tamper, 2 auxiliary tamper contact inputs. For back tamper protection, use SPCY130.
Bootup Time before Fully Operational	< 15 sec
Software Update	Local and remote upgrade for controller, peripherals and GSM/PTSN modems.
Calibration	No calibration checks required (calibrated at manufacturing)
Serviceable Parts	Fuse 500mA T (replaceable part on mains terminal block)
Operating Temperature	-10 to +55°C
Relative Humidity	Max. 93% (non condensing)
Colour	RAL 9003 (signal white)
Weight	5.380kg
Dimensions (W x H x D)	326 x 415 x 114mm
IP/IK Rating	IP30/IK06
Housing	Hinged metal housing (1.2mm mild steel)
Housing can contain up to	4 additional expanders (size 150 x 82mm)