

## IP Based Intrusion System With Embedded Web Server



**Acre security's SPC52** 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, 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, on-board Ethernet interface.

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

### 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 tamper
- Definable Schedules
- Cause and effect engine
- Access control functions
- Audio and Video Verification

### Applications

- Domestic
- Supermarkets
- Commercial

### 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

|   |   |
|---|---|
| Type                                      | License upgrade for SPC42 controller  |
| 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 2   |
| 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.<br>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<br>(by JPEG resolution 640 x 480, max. 1 frame/sec.) |
| Audio   | Up to 60sec. pre/60sec. post audio recording   |
| X-BUS Audio expanders max.<br>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           | 7Ah  |
| Battery Type (Battery not supplied)  | YUASA NP7-12FR (12V/7Ah) - NF<br>PowerSonic PS1270 (12V/7Ah)<br>YUASA Yucel Y7-12FR (12V/7Ah)  |
| Battery Charger                      | Max. 72h to 80% of battery capacity  |
| Battery Protection                   | Current limited to 3A (fuse protected),<br>deep discharge protection at 10V DC<br>+/- 3%   |
| Tamper Contact                       | Front spring tamper, 2 auxiliary tamper contact inputs.<br>For back tamper protection, use SPCY130.  |
| Bootup Time before Fully Operational | < 15 sec   |
| Software Update                      | Local and remote upgrade for controller, peripherals and<br>GSM/PTSN modems.   |
| Calibration                          | No calibration checks required (calibrated at manufacturing)   |
| Operating Temperature                | -10 to +55°C   |
| Relative Humidity                    | Max. 93% (non condensing)  |
| Colour                               | RAL 9003 (signal white)  |
| Weight                               | 3.480kg  |
| Dimensions (W x H x D)               | 264 x 357 x 81mm   |
| IP/IK Rating                         | IP30/IK06  |
| Housing                              | Small metal housing (1.2mm mild steel)   |
| Housing can contain up to            | 1 additional expander (size 150 x 82mm)  |