

From professionals for professionals.



**Modular
fire alarm
system**
SecuriPro®

SECURITON

Security with profile – the universal, modular security system: **SecuriPro®**



Universal:
One security system for every situation

Burglary/hold-up and fire alarm systems from a single source

Identical SecuriPro® basic components are used for the construction of burglary/ hold-up and fire alarm systems. At the same time, however, separate systems will still be installed.

The following advantages are thus achieved:

Uniform control philosophy

One important advantage for the user is the uniform SecuriPro® control philosophy. Regardless of whether it is a fire or a burglary/hold-up alarm system, the user will immediately know how to operate it and be able to use both systems reliably thanks to the standardised operating features.

SecuriPro® is a new security system providing innovative solutions for fire and burglary/hold-up alarm systems by means of components which work together interactively.

Cost-optimised large and small systems

The size of the security system does not influence the size of the control panel as it has been the case up to now, but solely determines the number of SecuriPro® modular units. As a result, a cost-optimised system is provided in every case.

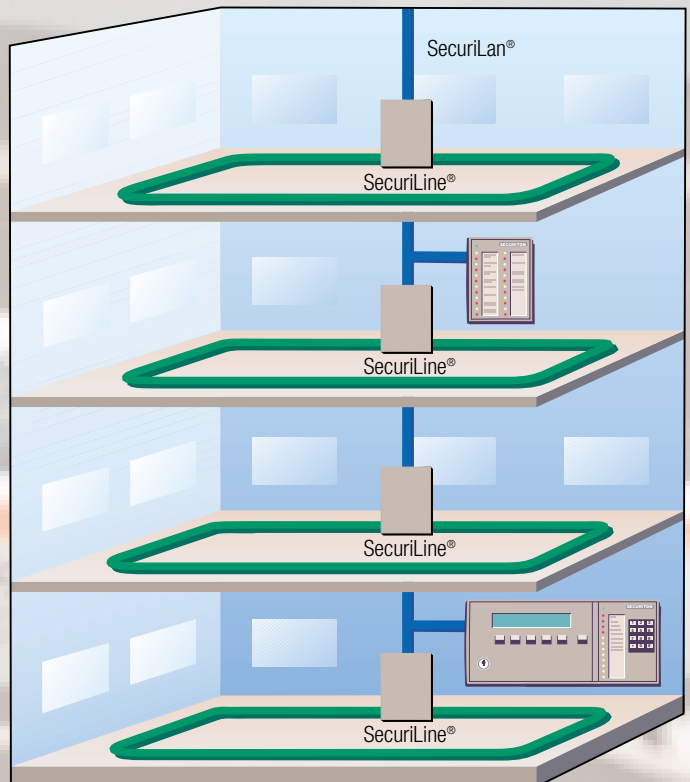
Modular:
Intelligence where it is needed

Cost-cutting by avoiding enormous control panels

SecuriPro® represents a new dimension in the construction of security systems. The modular basic units can be installed in a decentralised arrangement, wherever it is cost-effective and sufficient space is available. In this way, the number of cable connections is reduced, with a corresponding reduction in costs.

The system «grows» with the company and its security requirements

With the SecuriPro® security system, possible later operating expansion does not have to be taken into account at the planning stage. SecuriPro® can be expanded in individual steps. This eliminates the need to make investments in advance while subsequent expansion of the system can be carried out without difficulty.



A minimum number of cable connections because no cable looms need to be laid to enormous control panels in the basement.

Decentralised intelligence – practical and essential: SecuriLan®

SecuriLan®

Bus technology reduces the need for wiring and makes it possible to network all available SecuriLan® components into a complex consolidated system. Where necessary, SecuriLan® can be designed with built-in redundancy and an «emergency alarm path». The customer always obtains a total solution that has been optimally tailored to his needs.

Short-term and long-term cost optimisation

The decentralised intelligence provided by the SecuriLan® bus system together with the SecuriLine® loop circuit enable cable connections to be kept as short as possible with corresponding cost savings. Initial investment is kept in check through state-of-the-art manufacturing techniques using SMD construction and the future-oriented system structure.

Thanks to the self-monitoring feature and the customer-friendly servicing concept, routine maintenance is exceptionally inexpensive.

SecuriLan® components

The following SecuriLan® components enable a decentralised SecuriPro® fire alarm system to be set up:

| | |
|--------------|---|
| MCU 211 | Main Control Unit, evaluation and control unit as the basis of a SecuriPro® fire alarm system. |
| MIC 732/734 | Main Indication and Control Map (Map = manoeuvring panel), indication and control unit with display. |
| PIM 731/732 | Partial Indication Map, individual display for 16 zones (alarm/fault) or 32 zones (alarm). |
| PCM 731 | Partial Control Map, individual display for 8 zones (alarm/fault) and 8 operating keys. |
| FBM 731/732 | Fire Brigade Map, fire brigade control unit (Swiss version). |
| ARB 71/72/73 | Alarm Routing Board, alarm control module for actuation of the remote alarm. |
| SIB 71 | Serial Interface Board, serial interface module for connection of a printer, PC or alarm management system. |
| PIB 71 | Parallel Interface Board, parallel interface module for connection of a printer. |
| OCB 71 | Open Collector Output Board, multi-output module. |

The new standard bus based on LONWORKS® technology from Echelon forms the basis for the encrypted data exchange between the system components.

Investment protection

Thanks to the modular design, a SecuriPro® fire alarm system can be expanded at any time. Existing fire alarm systems can be supplemented with SecuriPro® through gateways.

Large and small systems

SecuriPro® is equally suitable for large and small fire alarm systems. Thanks to the modular system design with the evaluation and control units, both the cost and the technology are

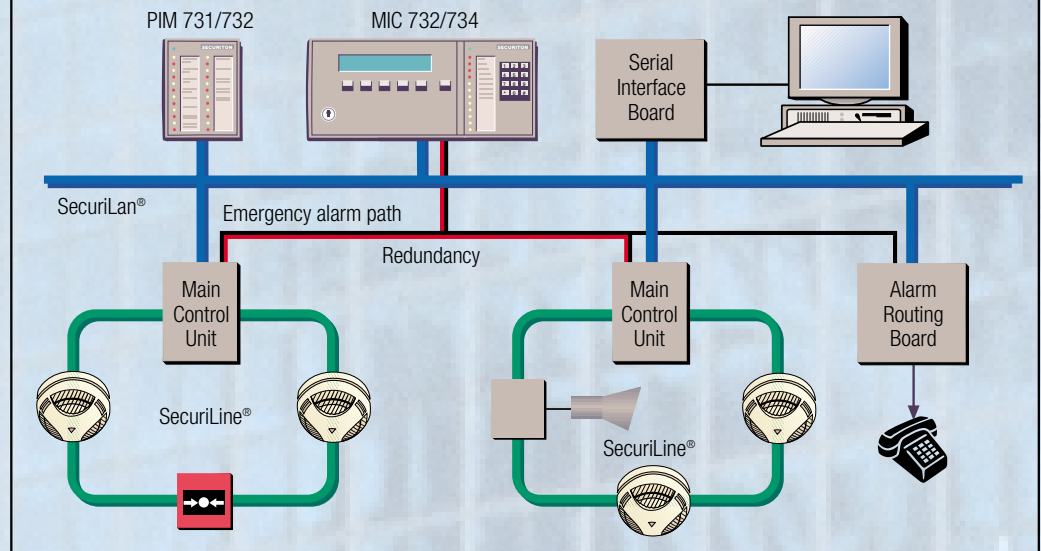
optimally tailored to the system size. With SecuriPro®, you can be sure of getting the ideal system for the application.

Evaluation and control unit

The modular evaluation and control unit (main control unit), the heart of the decentralised intelligence, is designed without a display and control

device. It can be installed locally, wherever it is cost-effective and sufficient space is available. This reduces cable connections with a

corresponding cost saving. The size and complexity of the fire alarm system determines the number of evaluation and control units required.



Tried and tested – the multifunctional loop circuit: SecuriLine®

The field proven SecuriLine® detector line, which was developed for maximum security, has been systematically developed towards a multifunctional loop circuit.

SecuriLine® – maximum security

In addition to the standard interrupt security feature, all SecuriLine® components are equipped with disconnecting elements to protect them from short circuits. Since the SecuriLine® is also used for burglary/hold-up alarm systems, maximum sabotage and EMC security is included.

Automatic detector addressing

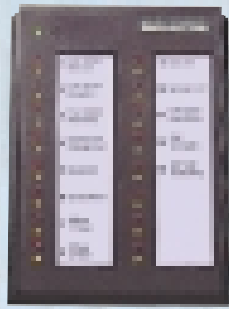
Automatic detector addressing greatly simplifies commissioning and expansion of the SecuriLine®.

SecuriLine® input and output devices

| | |
|--------|--|
| SDI 82 | Single Detector Interface, for connecting a manual call point, for example. |
| MDI 82 | Multiple Detector Interface, for connecting 8 fire detector lines with collective addressing. |
| SCU 81 | Stick Control Unit, for connecting a stub line with the loop featuring full SecuriLine® functionality. |
| COM 81 | Command Module, input/output module with 1 relay output and 1 pull-up input. |
| IOM 81 | Input/Output Module, with 5 relay outputs and 3 optocoupler inputs. |
| OCM 81 | Open Collector Module, output module with 8 outputs. |
| ROM 81 | Relay Output Module, output module with 3 250V/6A relays. |
| SOM 81 | Surveyed Output Module, output module with 3 monitored 24V outputs. |
| SCI 82 | Special detector Connection Interface, input/output module for connection of special fire detectors. |



FBM 731/732



PIM 731/732



MIC 732/734

Securiton special fire detectors

Securiton's world-leading special fire detectors such as the SecuriRAS® and SecuriSens® can be connected via the SCI 82 module.

Connection of explosion- proof fire detectors

The intrinsically safe explosion-proof fire detectors of the 130A Ex-i series are connected to the MDI multiple detector interface module via a DC voltage isolating converter.

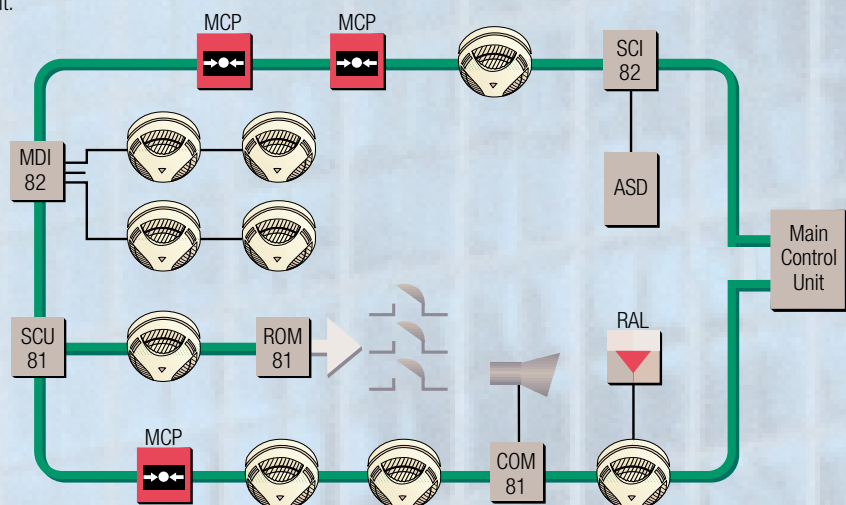
Loop circuit participants

Various input and output devices, as well as the individually addressed fire detectors of the SecuriStar® series, can be connected to the max. 127 logical address points per loop circuit.

SecuriLine® supply network

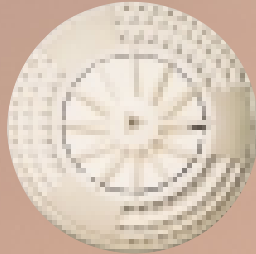
The SecuriLine® loop circuit consists of a two-wire unscreened cable. Existing installations can therefore often be used. Stub line branches with full

SecuriLine® functionality are connected to the SCU 81 module.

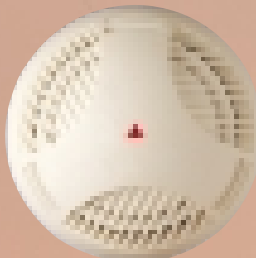


The fire detector series – reliable and cost-effective: **SecuriStar®**

The intelligent SecuriStar® fire detectors with individual addressing or as collective fire detectors not only share a uniform, timeless elegant design, they are also extremely cost-effective.



STD



SSD



UTD

SecuriStar® – intelligent fire detectors with individual addressing for maximum security and cost-effectiveness

For direct connection to the SecuriLine® loop circuit. With digital sensor signal processing, short circuit isolator and self-monitoring.

| | |
|---------|---|
| STD 531 | Smoke Temperature Detector, combined smoke and heat detector for use in areas where temporary disturbances and changing environmental conditions call for more sophisticated detection. |
| SSD 531 | Scattered light Smoke Detector, for use in areas with maximum security requirements. |
| UTD 531 | Universal Temperature Detector, universal heat detector with rate-of-rise or maximum measurement. For use wherever operational requirements prevent the use of a smoke detector. |
| MCP | Manual Call Point. |

SecuriStar® – fire detectors with collective addressing

For connection to SecuriLine® via MDI 82 module and as a conventional fire detector for control panels with increased current.

| | |
|---------|--------------------------------|
| SSD 521 | Scattered-light Smoke Detector |
| UTD 521 | Universal Temperature Detector |
| MCP 521 | Manual Call Point |

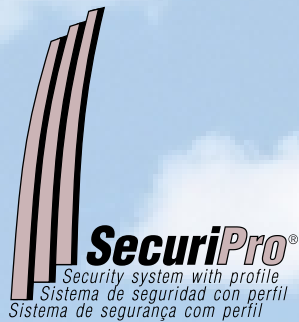


SecuriStar® – a range of mounting bases for different applications

Surface-mounted, flush-mounted, in dry or wet rooms, on ventilation ducts – various mounting bases are available to suit the individual situation. Obviously, all detector types fit any base. Easy installation is assisted by the proven, secure cable clamping technique.

The «profitable» fire alarm system – reliable and cost-effective: **SecuriPro®**

SecuriPro® heralds a
new age in the design
of fire alarm systems.



6 characteristics which distinguish SecuriPro®:

- Professional** From professionals for professionals.
- Profitable** SecuriPro® enables security systems to be designed with a view to long-term cost optimisation.
- Programmed** All customer-specific system data is freely programmable.
- Prominent** SecuriPro® design in timeless perfection from Securiton, a leading manufacturer of alarm and security systems.
- Prompt** SecuriPro® responds promptly to events.
- Protective** SecuriPro®-protected buildings have a high «security factor».

Simply ingenious – for the benefit of our customers



The Swiss Securitas Group

is the leader in the security sector in Switzerland.

Securitas AG, the parent company, has been offering a wide range of security services for over 90 years.

The Securiton AG subsidiary develops and produces hardware and software components for fire and burglary/hold-up alarm systems as well as alarm management systems. Securiton is an installer of comprehensive security systems and also supplies components to leading installers worldwide.

Top quality at all times

Quality at every level is absolutely essential for the reliable and flawless operation of our security systems. Securiton manufactures to high quality standards, which is why it has been awarded quality assurance certification in accordance with international standard ISO 9001:2000.



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