

SICURIT

SICURIT

PERIMETER PROTECTION SYSTEMS

PRODUCTS OVERVIEW

a dedicated division of



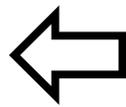
2017



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SICURIT PRODUCTS DOCUMENTATION



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COMPANY PROFILE

SICURIT
PERIMETER PROTECTION SYSTEMS

a dedicated division of



SICURIT has been producing and distributing security systems since 1971. The Company is a recognized leader in the Italian market, and since 2000, has been exporting its perimeter protection systems to what has now grown to more than 25 countries.

SICURIT's administrative and commercial offices are based in Italy, in an industrial area north of Milan. In addition, we maintain 7 national agencies, 2 international subsidiaries, 2 international representative offices, a separately housed R&D department, a separate production plant and an additional outdoor field test facility



MISSION & VALUES

At **SICURIT** new product development is ongoing and proactive. Our central objective is to provide the security industry with the latest technologies that guarantee unparalleled performance and seamless integration into existing or new security applications.

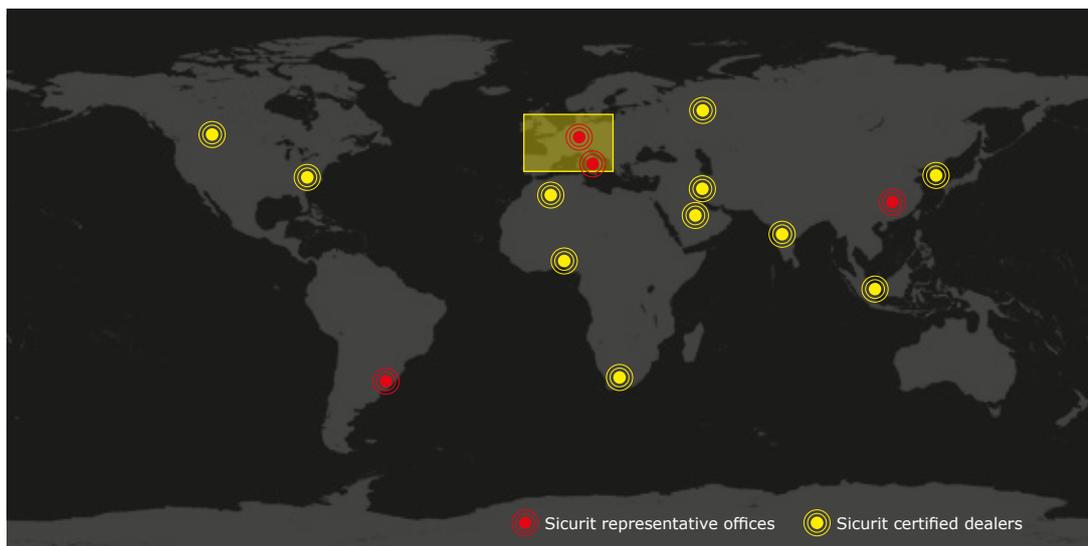
Our mission is to become the world leader in the design, production and distribution of professional equipment for outdoor perimeter protection. To achieve this, we are dedicated to building superior relationships with employees, customers and suppliers, based on shared long term goals.

COMPANY PROFILE

PRODUCT RANGE & MAIN APPLICATIONS

- Dual Technology barriers (Digital and Analogue)
- Microwave barriers (Digital)
- Bi-directional IR Beam barriers (Digital)
- Fence perimeter protection systems
- Long range and short range PIR's detectors
- Compact active infrared beams
- Security management software platform
- INDUSTRIAL
- OIL & GAS
- TRANSPORTATION
- GOVERNMENT/MILITARY
- CORRECTIONS
- UTILITIES
- VIP PROTECTION

GLOBAL PRESENCE



SERVICES AVAILABLE AT SICURIT

SYSTEM PLANNING

- SICURIT personnel constant support in all project stages

SYSTEM START UP

- Qualified Engineers availability for projects start-up

TRAINING

- Basic and advanced trainings at SICURIT training field or at clients locations

TAILOR MADE SOLUTIONS

- Flexible factory assembling according to customer demands
- System modifications for specific requirements
- Interface developments for third party integrations



TOP SECRET

Dual Tech barriers protecting sensitive governmental building

DUAL TECHNOLOGY BARRIERS

ABSOLUTE PRO™ THE IP DUAL TECH BARRIER



ABSOLUTE PRO™ is a high security IP based modular Dual Technology barrier that combines a unique digital bi-directional optically synchronized IR beam and digital microwave technologies, all within one unit.

Developed for long range outdoor surveillance (i.e. up to 200m coverage between the transmitter and receiver unit), for high risk areas and critical environments where conventional technologies may fail to grant continuous protection of exceptional reliability.

Because of its combination of technologies, ABSOLUTE PRO™ is a unique active barrier offering a very high level of security even under conditions of thick fog, heavy rain, strong snowfalls and sandstorms all of which tend to trigger false alarms or unreliable performance when only an IR or microwave system is used.

ABSOLUTE PRO™ can also be custom designed to any height and component array for particular layouts, geometries and security requirements.

NO MORE FALSE ALARMS

Outdoor perimeter protection sensors need to be resilient enough not only to withstand outdoor weather extremes, but also reliable enough to detect intrusions even during environmental conditions and that might otherwise trigger false alarms.

This may include factors such as: wind, rain, fog, snow, standing water, blowing debris, and random animal activities.

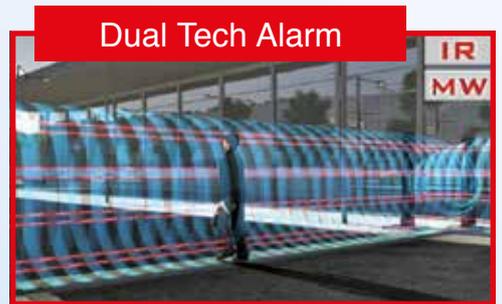
It may also include invisible risks such as radio transmission interference. ABSOLUTE PRO™, as a consequence of its Dual Technology platform, can dramatically reduce false alarm rates.



Ready to Detect



MW Pre-alarm



Dual Tech Alarm

DUAL TECHNOLOGY BARRIERS



ABSOLUTE PRO™ has been designed for medium-large scale projects, therefore without any additional interface, it can be easily integrated into existing or new IP backbone networks and virtually controlled from any location. Advantages of IP network solutions include remote accessibility for system maintenance and diagnostics, easy connections, better scalability, flexibility and enhanced installation cost-effectiveness



UNIQUE FEATURES

ABSOLUTE PRO™ makes use of unique digital bi-directional optically synchronized IR beams featuring Target Direction Analysis, Optical Data Check, IR beams disabling/enabling function, 5 Alarm Detection Scenarios, Signal Efficiency Analysis, Digital Automatic Gain Control and more



Data Sheet

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REFINERIES - CRITICAL INFRASTRUCTURES - COMMUNICATIONS FACILITIES - BANKING FACILITIES - PORTS - MUSEUMS - INDUSTRIAL SITES

INFRARED BEAM BARRIERS

AVANTGARDE™ THE IP IR BEAM BARRIER



AVANTGARDE™ is a high security fully digital modular IR beam barrier designed for long range outdoor surveillance (up to 200m coverage between transmitter and receiver unit).

It is characterized by the implementation of SICURIT's unique new bi-directional with optical synchronization IR beams stacked in discrete rugged extruded aluminum columns.

At the heart of the barrier is the intelligence built into each IR beam in turn interfaced towards an internal Analysis unit which is able to manage up to 18 IR beams stacked into up to 6m columns.

AVANTGARDE™ is virtually available in any size in terms of column height and number of IR beams which are directly related to the security degree required.

Thanks to the internal integrated web-server, AVANTGARDE™ can be easily configured, controlled and diagnosed remotely via LAN connection



Data Sheet 



APPLICATIONS : OIL&GAS - AIRPORTS - MILITARY SITES - CORRECTIONAL FACILITIES - NUCLEAR POWER PLANTS - PHOTOVOLTAIC PLANTS

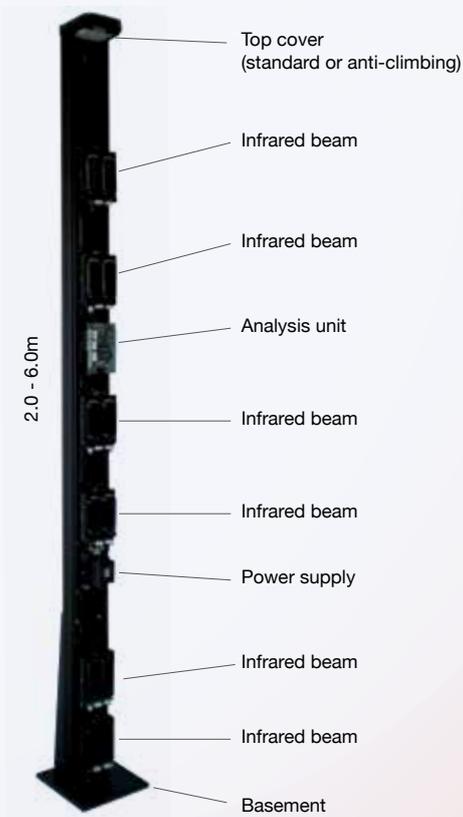
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AVANTGARDE™ for wall anticlimbing applications

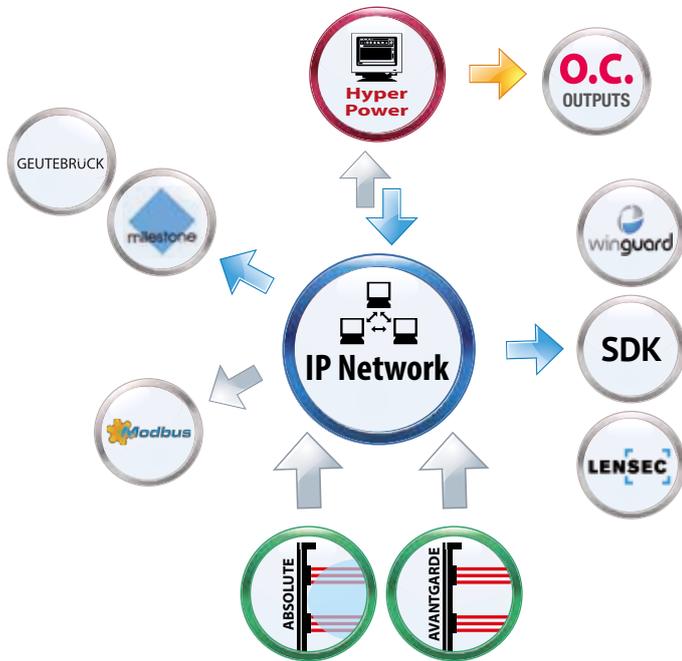
REFINERIES - CRITICAL INFRASTRUCTURES - COMMUNICATIONS FACILITIES - BANKING FACILITIES - PORTS - MUSEUMS - INDUSTRIAL SITES

SECURITY MANAGEMENT PLATFORM

HyperPower

HyperPower is a Windows® based alarm monitoring and management platform (SW) that allows security operators to manage the data coming from SICURIT perimeter protection systems and any third party integrated device. When an event is detected, information is passed through **HyperPower** server, which will carry out a pre-authorized action.

As configured, this may include the sending of e-mail or SMS messages to devices interconnected to the security net (like positioning movable cameras to a determined point) or even I/O modules for triggering a siren or any associated action.



THIRD PARTIES INTEGRATION

HyperPower had already been integrated in major video management software (VMS) such as *Milestone* and *Geutebrueck* and physical security information management systems (PSIM).



REAL TIME DIAGNOSTIC & MORE

With **HyperPower**, security operators are informed in real time about system status. When SICURIT IP Native sensors are connected, dedicated diagnostic pages can be created and all functions available in SICURIT configuration software are mirrored on HyperPower providing high interaction between field and C&CC.



IP, RS485 and I/O INTERFACES

Data coming from the field can be transmitted to a HyperPower server through IP, RS485 and I/O interfaces allowing full integration of virtually any device available in the market.

INTEGRATED WITH MAJOR SMS, VMS AND PSIM (OPEN SDK)



Critical governmental project in ME country

DIGITAL MICROWAVE BARRIERS

DIGITAL DAVE

SICURIT Digital Microwave intrusion link DAVE represents a further technological step forward in outdoor perimeter protections. It has been designed for quick and easy installation. A microprocessor and advanced Digital Signal Processing (DSP) algorithm strongly increase detection accuracy and enables to distinguish real intrusions from environmental agents with more precision compare to previous analogue microwaves. Furthermore an integrated RS485 interface allows remote alarm communications and remote system configuration and diagnostic.



MAIN FEATURES

- Ranges available: 50m - 120m - 200m
- Frequency: 10.525 GHz. / 10.587 GHz.
(on demand K-band available)
- Bi-static microwave sensor
- IP and RS485 interfaces for remote control and diagnostic
- Comfortable case for housing battery and power supply

Data Sheet 



MAIN APPLICATIONS: AIRPORTS - CORRECTIONAL FACILITIES - PHOTOVOLTAIC PLANTS - COMMUNICATIONS FACILITIES - SURFACE MINING



Microwave application in Estonia

PIN-POINT DETECTION SYSTEM

PERIDECT®

PERIDECT® system detects vibrations on the fencing caused during attempts to enter premises surrounded with any existent metal fence (climbing over, cutting through, lifting off). Sensors are mounted on fence panels connected by a bus cable and controlled by a sophisticated evaluation unit (usually one detector per fence panel between posts). Each detector contains a piezoelectric element supported by microprocessor-based signal processing, featuring a precise intrusion location (Pin-Point)



Data Sheet 



UNIQUE DIFFERENTIAL LOGIC

Unlike conventional fence perimeter protection systems that make use of external meteorological devices in order to filter nuisance alarms caused by wind vibrations, PERIDECT® uses a differential logic allowing the system whether the vibration is caused by weather effects or real intrusions.

VERY LOW OWNERSHIP COSTS

Thanks to the technology involved any cut of the cable aimed to tamper the system will require a very fast repair reaction by just replacing a small portion of cable (usually 2-3 meters) without the needs to reconfigure the entire system.

SUITABLE FOR : CHAIN-LINK FENCING - PALISADE - BARBED WIRE AND WELDED WIRE MESH FENCES - CONCERTINA WIRE

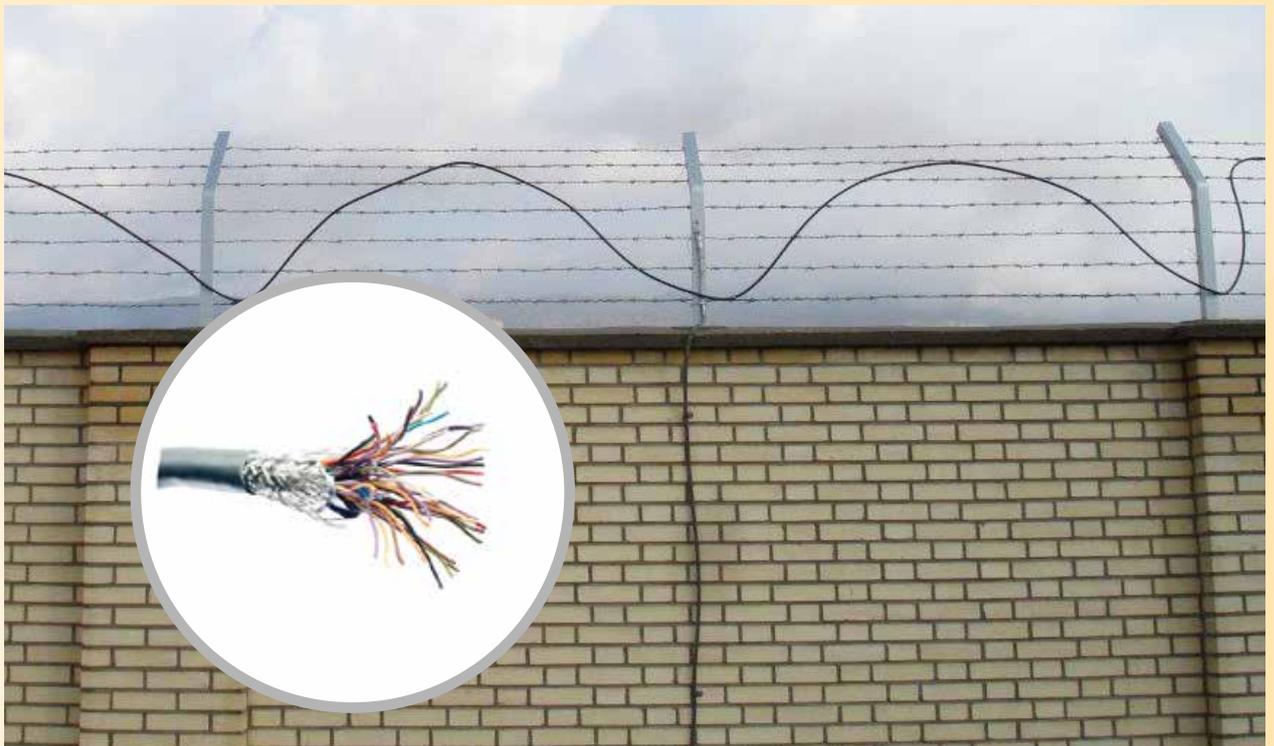


Dual Tech Barrier at German Power substation

FENCE DETECTION SYSTEM

Sicur Flex

SICURFLEX perimeter protection system provides reliable and cost effective solution for protecting properties from unauthorised intrusions. Developed for the recent demand for cost-effective solutions for the protection of solar parks as well as photovoltaic frames, SICURFLEX can be employed in many type of fence, such as welded mesh, chain link and barbed wire fences.



HOW IT WORKS

The system operates by means of a sensor cable, which is mounted all along a perimeter fence (or photovoltaic frame): An electrical signal in response to movement or deformation of the cable will generate, within the desired threshold level, an alarm condition.

Where detection is not required, NO sensitive zones can be created using Junction boxes and standard RG59 cable (e.g. in order to bypass gates or simply remote the Evaluation unit from the Fence).

Data Sheet 

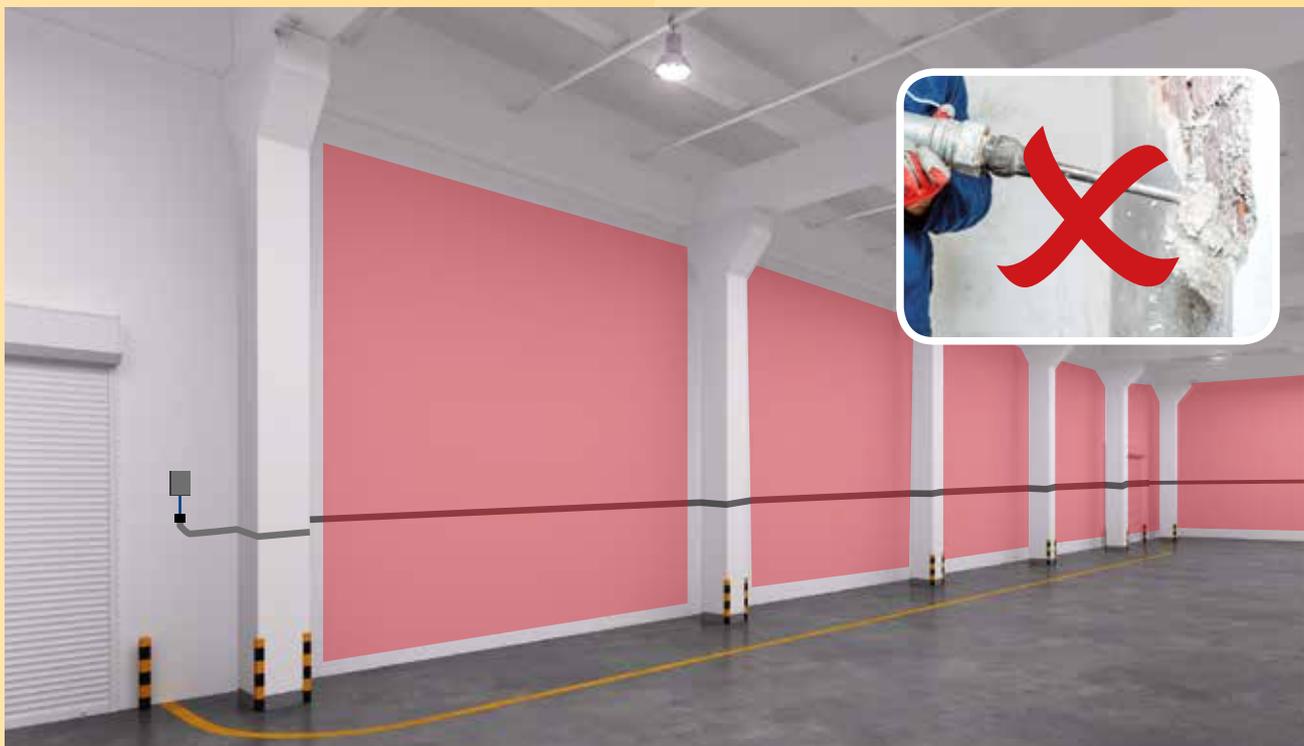


APPLICATIONS : CHAIN-LINK FENCING - WELDED WIRE MESH FENCES - SOLAR PANELS - WALL ANTI-CLIMBING

WALL BREAK THROUGH DETECTOR

Wallguard

WALLGUARD® has been developed for the protection of sensitive buildings that could be breached by means of breakthrough attempts, providing an additional prevention which results reliable against nuisance alarms caused by environmental factors, cost effective and easy to install. WALLGUARD® most requested applications are for banks caveau, logistic depots, data centers and remote warehouses.

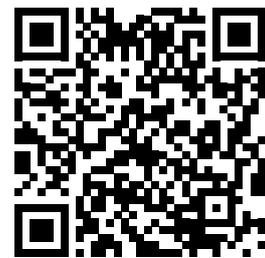


HOW IT WORKS

The system operates by means of a sensor cable that can be mounted on walls or drowned during building constructions into the reinforced concrete.

WALLGUARD® detection principle is based on vibration analysis able to properly filter nuisances which could be caused by nearby heavy track movements or thunders.

Data Sheet 



APPLICATIONS : CAVEAU - WAREHOUSES - LOGISTIC DEPOTS - DATA CENTERS - LARGE SCALE RETAIL TRADE

LONG RANGE PIR

INFRATRONIC



FEATURES

- Outdoor range: 150m (reduced to 110m in heavy fog conditions)
- Built-in view finder for fast and easy alignment
- Detection algorithm eliminates slow temperature changes
- Unaffected by wind, rain and snow
- IP65 weatherproof aluminium housing
- Technology: Differential Pyroelectric array

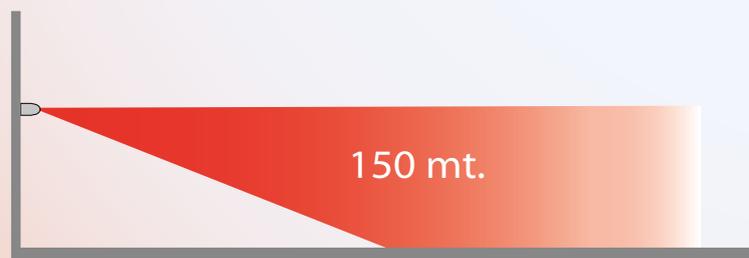
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PASSIVE INFRARED DETECTOR

Long-range Passive Infrared Detector (PIR) has been developed for detection of intruders up to 150 meters.

Can be used when the installation of traditional active infrared beams is difficult or impossible. Moreover the area protected cannot be identified by an intruder due to the passive operation of the unit.



APPLICATIONS : LARGE BUILDINGS - LONG WALLS - COMBINED WITH VMD SYSTEMS - INDUSTRIAL - RESIDENTIAL

SHORT RANGE IR BEAM BARRIERS

BEAM FENCE



BI-DIRECTIONAL IR BEAM BARRIER

Midi patented bi-directional infrared beam barriers for the protection of industrial buildings, long balconies and corridors. It is made up of two microprocessor logic circuits mounted with the SMD technique which manages up to 8 pairs of optical circuits within up to 3 meters aluminium pillars.

Optics are multiplexed, and the alarm sounds when two optics are obscured (AND function).



Data Sheet 



FEATURES

- Outdoor range: 30m
- Indoor range: 60m
- Sunlight immune
- Standard heights available: 150 cm - 200 cm - 250 cm and 300 cm
- Logic circuits mounted with SMD technique
- Upgradable up to 8 beams

APPLICATIONS : WALL MOUNTING - WINDOWS - LONG DOORS - CORRIDORS - ENTRANCES - GATES

SOME OF OUR END USERS



Mercedes-Benz





IDF100 Rev 1.0.

CGI-23022017-EN-UK



SICURIT Alarmitalia reserves the right to update, change, modify or otherwise alter the specifications and designs here in this catalogue without prior notice.

All schematics are a simplified representation of the sensors and their detection areas have not to be used as technical references or specifications



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