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COMPANY PROFILE



About Sigma

Sigma Security was founded in 1977. Today is one of the leading companies in Greece specialized in the research, development, and production of high-quality electronic intruder alarm systems.

Both, hardware and firmware, are entirely developed by Sigma's in-house R&D department. The R&D department gives significant emphasis to the continuous upgrading of its products, with new generation ones, designed to be user-friendly, without compromising the security factor. For these reasons, all its products are thoroughly tested regarding their electromagnetic compatibility and safety (CE).

The product range includes control panels, motion detectors, outdoor and indoor sounders, power supplies, wireless peripherals, GSM/GPRS modules, Ethernet modules, special detectors (glass break, seismic) and mobile applications.

Sigma Security offices are based in a 600 square meters owned building located in Athens, the capital of Greece. The production and R&D departments are headquartered in a separate building of 1300 square meters, and they are fully equipped with cutting-edge equipment and machinery, able to cover every demand of the electronic technology.

Milestones

1982

Launch of DD-1, a dialer with a digital voice recording and selection **without relay, via Optocoupler**.

1987

Launch of MC-10, the first alarm panel globally with **built-in voice dialer, and simple programming instructions**, through the display and keyboard.

1989

Launch of MC-08, the first alarm panel globally with an **integrated voice dialer and digital communicators**. Integrating a special type of zone to the alarm panels, known as **"Motion Detector Zone"**, which increases the immunity against false alarms significantly.

1994

Launch of ZEUS KP/RFID, the first keyboard globally with **built-in RFID proximity tag reader and temperature sensor**.

2010

Launch of PROTEUS KP/RFID keyboard with **touch keypad**, built-in RFID proximity tag reader and temperature sensor.

2011

Incorporation of innovative **"All Day Secure"** feature to S-PRO alarm control panel, which allows the user to move outside of the protected area without disarming the intrusion alarm system.

2012

Launch of ORPHEUS KP/RFID keyboard, with **glass front panel surface**, touch keypad, built-in RFID proximity tag reader and temperature sensor.

2014

Launch of **S-Mobile app, for Android and iOS**, which allows the user to control the alarm system remotely via smartphone. It was the first application for intrusion alarm system which supported **push notifications**.

2015

Launch of IRIS, the first fully programmable siren using 2 buttons on the PCB.

TECHNOLOGIES



Feeling safe all day long

The innovative feature "All Day Secure", allows you to move outside of the protected area without disarming the intrusion alarm system. You can open any window or door and go outdoor like you always do. Sigma S-PRO system automatically detects that you come from the inside of the protected area and temporarily bypasses the zones of the opening that you came from.



False alarm? Rejected!

False alarms are the most common incidents of an ordinary intrusion alarm system, due to various factors such as high sensitivity, interference, faulty detector installation and others. All alarm panels of Sigma integrates a special type of zone, known as "Motion Detector Zone" which increases the immunity against false alarms significantly. All signals received from the detectors are analyzed using special algorithms. If a signal is identified as a false alarm, immediately rejected.



S Mobile

Remotely control the alarm system from your smartphone

S Mobile app for iPhone and Android allows interacting with any of the Sigma alarm systems in a natural and intuitive way.

- Simple and easy interface
- Push notifications for all operations and events
- Remote arm/disarm
- Multi-system management (more than one alarm panels)
- Real-time communication (no cloud connection)
- Management of zones (status and bypass)
- Management of partitions
- Thermostat control
- Home automation commands
- Full event log of the system
- Emergency keys (Police, Fire, Medical assistance)



Firmware upgrade capability

Sigma Security provides regular firmware upgrades and enhancements for intrusion alarm systems. S-Flash software can be used to automatically update the control panels and keypads firmware to the latest version, allowing additional features and functions to be added to existing systems.



Programming and management software

S-Load and S-Load Lite management suite are user-friendly Windows-based software, designed for use with the Sigma control panels, providing complete upload/download for total control and flexibility, either through the USB interface or via the LAN network.

S-PRO

Control Panels



ALL DAY
SECURE

motion
detector
zone

Firmware
UPGRADE

960MHz

S-BUS

S Mobile

S-LOAD

S-PRO 32

Intrusion Alarm Panel with "All Day Secure" feature

- 8 zones expandable to 32
- Innovative "All Day Secure" feature
- "Motion Detector Zone" technology to prevent false alarms
- Remote control from smartphone via S Mobile (free app for Android or iOS)
- On-site firmware upgrade of the control panel and keypads
- System programming and control using S-Load software
- Different entry delay time per zone
- Chime function per zone
- 4 partitions
- 4 exit & 16 entry delay times, expandable up to 32
- 2 programmable outputs (PGM), expandable up to 12
- 97 User codes (4-6 digits)
- Programmable Arming & Disarming (separate operation for each partition)
- Automatic Daylight saving time
- Up to 8 keypads supported
- Up to 4 RFID proximity readers supported
- Built-in digital communicator for event reporting to 2 different Central Monitoring Stations
- Multipath communication (GSM/GPRS, TCP/IP, PSTN)
- IP Connectivity management (using IXION IP or IXION IP/C)
- 2 channel voice dialer (by adding VSM-02 or RTM-01 module)
- 300 events memory log (time & date stamped)
- Relay Alarm output 12VDC/7A overload protected by resettable multifuse
- Overload protected by resettable multifuses for all power supply outputs
- Removable terminals
- Switching Power Supply 13.8VDC/1.7A
- Dimensions: 230 x 300 x 80 mm

S-PRO 64

Same features as the S-PRO 32 but:

- Expandable up to 64 zones
- Expandable up to 64 entry delay times
- Expandable up to 16 programmable outputs (PGM)
- Switching Power Supply 13.8VDC/2.4A
- Dimensions: 300 x 300 x 80 mm

S-PRO 80

Same features as the S-PRO 32 but:

- Expandable up to 80 zones
- Expandable up to 80 entry delay times
- Expandable up to 18 programmable outputs (PGM)
- Switching Power Supply 13.8VDC/3.3A
- Dimensions: 350 x 400 x 80 mm

Keypads



ORPHEUS KP

Touch Keypad with glass front panel surface for use with any S-PRO control panel

Features a 32-character LCD display and backlight touch-sensitive keys. Incorporates 1 NC zone. Temperature sensor with temperature display. USB port for local programming of the control panel. Firmware upgrading capability. Connection via 3-wire S-BUS. Surface mounting.

Available colours: White and Black

ORPHEUS KP RFID

All the features of the ORPHEUS KP plus built-in RFID proximity tag reader.



PROTEUS KP

Touch Keypad with elegant aesthetic design for use with any S-PRO control panel

Features a 32-character LCD display and backlight touch-sensitive keys. Incorporates 1 NC zone. Temperature sensor with temperature display. USB port for local programming of the control panel. Firmware upgrading capability. Connection via 3-wire S-BUS. Surface mounting.

Available colours: White and Black

PROTEUS KP RFID

All the features of the PROTEUS KP plus built-in RFID proximity tag reader.



TRITON KP

Touch Keypad with 3 mm glass front panel surface for use with any S-PRO control panel

Features a 32-character LCD display and backlight touch-sensitive keys. Incorporates 1 NC zone. Temperature sensor with temperature display. USB port for local programming of the control panel. Firmware upgrading capability. Connection via 3-wire S-BUS. Surface mounting.

Available colours: White and Black

TRITON KP RFID

All the features of the TPITON KP plus built-in RFID proximity tag reader.

RFID Reader



S-PROX

Outdoor RFID proximity tag reader for use with any S-PRO control panel

Management of 4 partitions. System status signaling by LED. 1 programmable output (PGM). Anti-detachment tamper protection. Warning buzzer. Connection via 3-wire S-BUS. Surface mounting. Suitable for outdoor use.

Available colours: White and Black

Wireless Expansions



SXP-48

Local Plug-on Wireless expansion for use with S-PRO control panel

Is capable of managing 32 wireless peripherals (magnetic contacts, detectors PIR & MW, smoke detectors, leakage detectors e.t.c.) and up to 16 wireless keyfobs. Can be installed at a distance from the control panel (up to 100 m), for better wireless reception. Connects to the panel with 3 wires via S-BUS.

Operation Frequency: 868MHz.



SXP-48B

Wireless zones expansion for internal installation in S PRO control panels

Same as SXP-48 but without plastic case (bare PCB).



IRIS-W

Wireless Outdoor siren

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Visual Alarm indication. Sound Level: 110 dB @ 1m. Visual indication of operation via LEDs. Power Supply: DC 3.6V (1 battery 3.6V/13Ah - included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors). Polycarbonate casing with internal galvanized cover.



SMC-400

Wireless Magnetic Contact

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Consumption (Standby): $\leq 8 \mu A$. Low battery voltage indication. Power Supply: DC 6.0V (2 batteries 1.5V AAA, 3.0V - included). Transmission Range: 150 m (in open space), 30 – 50 m (indoors). Anti-opening Tamper protection.



SIR-400

Wireless PIR detector

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Dual PIR element. PIR detection Range: 9 - 12 m. Detection angle: 110°. Consumption (Standby): $\leq 15 \mu A$. Power Supply: DC 3.0V (2 batteries AAA, 1.5V included). Low battery voltage indication. Transmission Range: 150 m (in open space), 30 – 50 m (indoors). Installation height: 2.2 m (between 1.7~2.4 m). Anti-opening Tamper protection.



SIR-400 PET

Wireless PET PIR Detector

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Dual PIR element. Same as SIR-400 with additional RET function (does not detect animals below 15 Kgr).

Wireless Expansions



SSD-400

Wireless Smoke Detector

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Detection with IR photoelectric sensor. Indication LED for operation, test button and automatic Reset of the detector after every activation. Audio or visual alarm indication (85dB at 3m). Consumption (Standby): $\leq 20 \mu A$. Power Supply: DC 9.0V (1 battery 9V – included). Low battery voltage indication. Transmission Range: 150 m (in open space), 30 – 50 m (indoors). Detection area: 20m², when mounted up to 6m.



SLD-400

Wireless leakage detector

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Operation indication LED and Test button. Audio or visual alarm indication. Power Supply: DC 3.0V (2 batteries AA, 1.5V- included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



SPG-400

Wireless Smart Power Socket

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Ability to control several household appliances via keypad and / or S Mobile app. Operation indication LED and Test button. Audio or visual alarm indication (85dB at 3m). Power Supply: 90 -240 V AC. Consumption (Standby): <0,5W. Maximum load current: 10 A. Lightning, overvoltage, over-current, short circuit protection. Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



SKF-400

Wireless keyfob

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Includes indication LED for operation as well as 4 keys (AWAY arming, STAY arming, Disarming and Panic). Power Supply: DC 3.0V (2 batteries CR1620- included). Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



SPB-400

Wireless Panic Button

Cooperates with the wireless expansions SXP-48 & SXP-48B. Two way communication. Includes indication LED for operation and large key for Panic activation. Power Supply: DC 3.0V (2 batteries CR2032 - included). Transmission Range: 100 m (in open space), 30 – 50 m (indoors).

AEOLUS

Control Panels



AEOLUS 32

Hybrid Intrusion Alarm Panel

- 8 zones expandable to 32 (wired or wireless)
- "Motion Detector Zone" technology to prevent false alarms
- Remote control from smartphone via S Mobile lite (free app for Android or iOS)
- On-site firmware upgrade capability of the control panel and keypads
- 1 wireless expansion supported (32 wireless devices and 16 wireless keyfobs)
- System programming and control using Aeolus software
- Entry delay time per zone
- Chime function per zone
- 2 partitions
- 2 exit & 16 entry delay times, expandable up to 32
- 2 programmable outputs (PGM), expandable up to 12
- 97 User codes (4-6 digits)
- Automatic Arming & Disarming (separate operation for each partition)
- Automatic Daylight saving time
- Up to 8 keypads supported
- Built-in digital communicator for event reporting to 2 different Central Monitoring Stations
- Multipath communication (GSM/GPRS, TCP/IP, PSTN)
- IP Connectivity management (using IXION IP or IXION IP/C)
- 2 channel voice dialer (by adding VSM-02 or RTM-01 module)
- 300 events memory log (time & date stamped)
- Relay Alarm output 12Vdc/7A overload protected by resettable multifuse
- Overload protected by resettable multifuses for all power supply outputs
- Removable terminals
- Switching Power Supply 13.8VDC/1.7A
- Dimensions: 230 x 300 x 80 mm

Keypads



AEOLUS KP

Touch Keypad with glass front panel surface for use with AEOLUS control panel

Features a 32-character LCD display and backlight touch-sensitive keys. Incorporates 1 NC zone. Temperature sensor with temperature display. USB port for local programming and firmware upgrading of the keypad. Connection via 3-wire S-BUS. Surface mounting.

AEOLUS KP RFID

All the features of the AEOLUS KP plus built-in RFID proximity tag reader.

HYDRA

Control Panels



HYDRA 16

Hybrid Intrusion Alarm Panel

- 4 wired zones expandable to 8, plus 8 wireless zones
- "Motion Detector Zone" technology to prevent false alarms
- On-site firmware upgrade capability of the control panel and keypads
- 1 wireless expansion supported (8 wireless devices and 8 wireless keyfobs)
- System programming and control using S Load Lite
- Entry delay time per zone
- Chime function per zone
- 2 partitions
- 2 exit & 16 entry delay times
- 2 programmable outputs (PGM)
- 97 User codes (4-6 digits)
- Automatic Arming & Disarming (separate operation for each partition)
- Automatic Daylight saving time
- Up to 8 keypads supported
- Built-in digital communicator for event reporting to 2 different Central Monitoring Stations
- 2 channel voice dialer (by adding VSM-02 or RTM-01 module)
- 300 events memory log (time & date stamped)
- Relay Alarm output 12VDC/7A overload protected by resettable multifuse
- Overload protected by resettable multifuses for all power supply outputs
- Switching Power Supply 13.8VDC/1.7A
- Dimensions: 230 x 300 x 80 mm

Keypads



HYDRA KP

Touch Keypad with glass front panel surface for use with HYDRA control panel

Features a 32-character LCD display and backlight touch-sensitive keys. Incorporates 1 NC zone. Temperature sensor with temperature display. USB port for local programming and firmware upgrading of the keypad. Connection via 3-wire S-BUS. Surface mounting.

HYDRA KP RFID

All the features of the HYDRA KP plus built-in RFID proximity tag reader.

AEOLUS / HYDRA

Wireless devices



HXP-48

Local Plug-on Wireless expansion for use with AEOLUS and HYDRA control panels

Is capable of managing 32 wireless peripherals (magnetic contacts, detectors PIR & MW, smoke detectors, leakage detectors e.t.c.) and up to 16 wireless keyfobs. when connected to AEOLUS and up to 8 wireless keyfobs. Can be installed at a distance from the control panel (up to 100 m), for better wireless reception. Connects to the panel with 3 wires via S-BUS.

Operation Frequency: 868MHz



HXP-48B

Remote wireless expansion for use with AEOLUS και HYDRA control panels

Same as HXP-48 but without the plastic enclosure (bare PCB).



HMC-300

Wireless Magnetic Contact

Cooperates with the wireless expansions HXP-48 & HXP-48B. Consumption (Standby): $\leq 5-7 \mu A$.

Power Supply: DC 3.0V (1 battery CR2450- included). Low battery voltage indication.

Transmission Range: 100 m (in open space), 30 – 50 m (indoors).

Tamper protection on front and back cover.



HIR-300

Wireless PIR PET Detector

Cooperates with the wireless expansions HXP-48 & HXP-48B. Dual PIR element and PET function (does not detect animals below 25 Kgrs). Consumption (Standby): $\leq 25 \mu A$. Power Supply: DC 3.0V (1 battery CR2450 - included). Low voltage battery indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors). PIR Detection Range: 9 - 12 m. Detection angle: 110°. Installation height: 2.2 m (between 1.7~2.4 m). Tamper protection on front and back cover.



HIS-300

Wireless Indoor Siren

Cooperates with the wireless expansions HXP-48 & HXP-48B. Visual alarm indication. Sound Level (alarm): 100 dB at 3m. Visual indication of operation status via LEDs. Button for wireless expansion enrollment. Consumption (Standby): $\leq 13 mA$. Power Supply: AC 230VAC (1 battery 3.7V/0,8Ah - included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors). It is plugged directly to the power socket.



HSD-300

Wireless Smoke Detector

Cooperates with the wireless expansions HXP-48 & HXP-48B. Detection with IR photoelectric sensor. Indication LED for operation and automatic Reset of the detector after every activation. Audio or visual alarm indication (>80dB στα 3m). Consumption (Standby): $\leq 10 \mu\text{A}$. Power Supply: DC 9.0V (1 battery 9.0V - included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors). Detection area: 20m², when mounted up to 6m.



HGD-300

Wireless Natural Gas Detector

Cooperates with the wireless expansions HXP-48 & HXP-48B. Detection with semiconductive sensor. Indication LED for operation and automatic Reset of the detector after every activation. Audio and visual alarm indication (>70dB at 1m). Consumption (Standby): $\leq 100 \text{ mA}$. Power Supply: AC 100 ~ 240 V. Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



HLD-300

Wireless leakage detector

Cooperates with the wireless expansions HXP-48 & HXP-48B. Indication LED for operation. Visual Alarm indication. Consumption (Standby): $\leq 5 \mu\text{A}$. Power Supply: DC 3.0V (1 battery CR2450 - included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



HKF-300

4 Keys Wireless keyfob

Cooperates with the wireless expansions HXP-48 & HXP-48B. Includes indication LED for operation as well as 4 keys (AWAY arming, STAY arming, Disarming and Panic). Consumption (Standby): $\leq 16 \mu\text{A}$. Power Supply: DC 3.0V (1 battery CR2032 - included). Low battery voltage indication. Transmission Range: 100 m (in open space), 30 – 50 m (indoors).



HEB-300

Wireless Panic Button

Cooperates with the wireless expansions HXP-48 & HXP-48B. Includes indication LED and large button for Panic activation. Consumption (Standby): $\leq 1 \mu\text{A}$. Power Supply: DC 3.0V (1 battery CR2032 - included). Transmission Range: 100 m (in open space), 30 – 50 m (indoors).

EXPANSIONS / PERIPHERALS



ZEM-08

Zone Expander for use with S-PRO and AEOLUS control panels

Provides 8 additional EOL zones (or 16 double EOL zones) and 2 programmable outputs (PGM). Maximum current draw for each output: 10mA.



INX-08

Zone inputs duplication PCB

Cooperates with all SIGMA control panels as well as with the zone expander ZEM-08. Does not require the use of EOL resistors.



PGM-08

Programmable outputs expander for use with S-PRO and AEOLUS control panels

Provides 8 additional programmable outputs (PGM). Maximum current draw for each output: 500mA.



PGM-RL

Universal relay module for use with any alarm control panel

Can be connected to any programmable output (PGM). Free relay contacts: 12Vdc/7A.



VSM-02

On-board voice module for use with S-PRO and AEOLUS control panels

Three recordable audio messages. One primary and two secondary messages assigned to alarm channels. Up to 20 seconds of total voice message time. Emergency report via voice messages.



RTM-01

Same as VSM-02 but with the ability to remotely control the alarm panel via cellular phone or any DTMF phone.



FSA

Universal module for connection of 24VDC fire detectors to any alarm control panel

Can be used to connect 24Vdc fire detectors with 2 cables supplied with to any alarm control panel.



ISB-01

BUS isolator for SIGMA control panels

It is used for the panel's BUS short circuit protection. It is installed in the Panels box and it is connected between the BUS of the panel and the peripherals (keypad, zone expansion, RFID reader etc) which are exposed. Enables the uninterrupted operation of the BUS, in case of short circuit of one of the peripherals. Also it increases the maximum distance of wires on which the peripherals can be connected.



LDP-01

Universal lighting and surge protection module for telephone line input for use with any alarm control panel.

COMMUNICATION DEVICES



S Mobile



S Mobile



S Mobile

IXION IP/C

Ethernet board with embedded web-server for use with S-PRO and AEOLUS control panels

Connects the control panel to the Internet via TCP/IP protocol. Sends e-mails, provides web-server function and SIA-IP (DC-09) protocol digital communicator. Enables remote control of the alarm panel from a smartphone via S Mobile app. Enables full upload/ download & system programming of the alarm panel via the internet. Data security encryption: AES-128. Connection with the alarm panel via 3-wire S-BUS.

IXION IP

Same as the IXION IP/C in a metal housing.

IXION G

GSM/GPRS interface for use with S-PRO and AEOLUS control panels

Connects the control panel to the Internet via TCP/IP protocol. Sends e-mails, provides web server function and SIA-IP (DC-09) protocol digital communicator. Enables remote control of the alarm panel from a smartphone via S Mobile app, SMS or non-answered calls. SMS reports to preprogrammed telephone numbers. Enables full upload/ download & system programming of the alarm panel via the internet. Data security encryption: AES-128. Connection with the alarm panel via 3-wire S-BUS.

IXION IP/G

Ethernet and GSM/GPRS interface for use with S-PRO and AEOLUS control panels

Connects the control panel to the Internet via TCP/IP protocol. It combines features of IXION IP and IXION G. Selectable multipath communication.

UNIVERSAL COMMUNICATION DEVICES



IXION U

Ethernet interface for use with any alarm control panel that uses Contact ID communication format

Upgrades older security systems to modern and safest communication method, with no need for replacing existing equipment. It connects to telephone line output of the alarm panel and converts Contact ID communication format to SIA IP (DC-09) to communicate with the Central Monitoring Station using TCP/IP protocol. Data security encryption: AES-128.

ORION G

GSM/GPRS interface for use with any alarm control panel that uses Contact ID communication format

Upgrades older security systems to modern and safest communication method, with no need for replacing existing equipment. It connects to telephone line output of the alarm panel and communicates with the Central Monitoring Station via GSM in Contact ID communication format or via GPRS in SIA IP (DC-09). Programmable via on-board USB port or SMS commands. 4 Input/Output terminals (programmable as NO or NC).

RFID TAGS



S-KEY

Plastic tag for use with keypads with built-in RFID proximity reader

RFID tag for arming and disarming the system or specific partitions.

Available colours: White and Black



S-KEY MINI

Miniature tag for use with keypads with built-in RFID proximity reader

Small sized RFID tag for arming and disarming the system or specific partitions.

available colours: White and Blue

INDOOR SOUNDERS



ERIS

Piezoelectric sounder with elegant aesthetic design for indoor use

Anti-opening tamper protection. Sound level: 105dB @ 1m. 12Vdc powered.



ERIS PLUS

Piezoelectric sounder with LED flashlight for indoor use

Anti-opening tamper protection. Sound level: 105dB @ 1m. 12Vdc powered.

Available flash lens colours: White and Blue

3 different operation types:



Stay Arm: Low-level sound and constant lighting.



Away Arm: High-level sound and flash lighting.



Mains failure: Only constant lighting.



ERIS FIRE

Piezoelectric sounder with LED flashlight for fire alarm applications

Anti-opening tamper protection. Sound level: 75dB @ 1m. 24Vdc powered.

Available colour: Red

OUTDOOR SOUNDERS



VENUS

Self-powered magneto-dynamic sounder with LED flashlight for outdoor use

Anti-opening and anti-removal tamper protection. 5 selectable sounds. Polycarbonate casing with internal galvanized cover. Selectable start-up sound level (Low or High). Audio or visual alarm indication input, alarm output from tamper protection, Low battery output. Battery short-circuit protection.

Multiple methods of activation (application or removal of positive or negative voltage).

Sound level: 122dB @ 1m. Dimensions: 285 x 235 x 85 mm.

Available flash lens colours: Red and Blue



IRIS

High technology alarm sounder with elegant and refined design for outdoor use

Advanced programming using 2 buttons on PCB board. 5 selectable sounds and 7 selectable flashing patterns. Anti-opening and anti-removal tamper protection. Polycarbonate casing with internal galvanized cover. Selectable start-up sound level (Low or High). Audio or visual alarm indication input, alarm output from tamper protection, Low battery output. Battery short-circuit protection.

Multiple methods of activation (application or removal of positive or negative voltage).

Sound level: 122dB @ 1m. Dimensions: 348 x 245 x 78 mm.

Available flash lens colours: Red and Blue



IRIS FSD

All the features of the IRIS plus Anti-foam protection with Anti-bug protection by using double optical IR sensor and built-in 3-axis accelerometer for Anti-shock and Anti-drilling protection.



IRIS GREY

Same as IRIS but in grey colour casing.

Available flash lens colours: Red and Blue



IRIS CARBON

Same as IRIS but in carbon fiber colour casing.

Available flash lens colours: Blue

SPECIAL DETECTORS



GLASSAFE MINI

Miniature glass break detector suited for plate, tempered, laminated & wired glass types

Detection Type: Acoustic. LED indicator. Adjustable sensitivity. Microprocessor technology. Digital Signal Processing. Advanced Signal Processing Algorithms.



MFD-01

3-in-1 multi-function detector suited for walls, doors, windows or glass surfaces and for protection of paintings or valuable objects

Includes a 3-Axis accelerometer that detects vibrations on the protected surface and a 3-Axis magnetometer that detects rotation and tilt of the protected surface. Adjustable sensitivity. Microprocessor technology. Digital Signal Processing. Advanced Signal Processing Algorithms. Compact size that enables placement on small objects.



SD-03

Seismic detector for protection of high-value and high-risk assets (ATMs, bank vaults, safes and doors)

Detects vibrations, variations of temperature and noise generated on the protected surface. Adjustable sensitivity. Microprocessor technology. Digital Signal Processing. Advanced Signal Processing Algorithms.



High-intensity impacts generated in the protected area.

Triggers an alarm in case the impacts exceed the preset low or high limit.



Medium-intensity impacts created on the protected surface.

Triggers an alarm if it detects more than 5 or 10 (selectable) medium-intensity impacts.



Temperature changes that occur in the protected area.

Triggers an alarm if the temperature changes by 5 or 10 degrees Celsius, within 15 or 30 seconds (selectable). Also, triggers an alarm when the temperature exceeds 60 degrees Celsius, independent of the temperature growth rate.



Very low noises, such as oxygen flame, drill sound, etc.

POWER SUPPLIES



PS-4S

External power supply

Max. output current: 3.5A @13.8VDC. Housing battery: 1 x 12V/7Ah. Integrated battery charger. 5 ancillary power outputs with fuse. Low battery and mains failure output. Metal casing.



PS-4S/BUS

External power supply which is connected via 3-wire S-BUS to the S-PRO control panels

It provides 5 power outputs with programmable electronic fuse for each output. Real-time current measurement per output. Max. output current: 3.5A @13.8VDC. Housing battery: 1 x 12V/7Ah. Integrated battery charger. Low battery and mains failure output. Metal casing.



THE BEST WAY TO BE SAFE.