YOUR
SECURITY
CHOICE

Quality from experience **made in Italy.**

AMC
YOUR SECURITY CHOICE

AMC Elettronica was founded in 1974 and the first product designed by the company was in collaboration with the University of Pavia - this being the Microwave detector "RIVELA". It immediately obtained a huge response in the Italian and the foreign market. Within a few years the Company established itself as a successful player within the Security Sector despite this to be still an unknown sector in the Italian Industry, the most impact caused by the high quality design and local production of the detectors. In the 80's AMC decided to launch the Alarm Control Units, Diallers and Sirens to the already now well established detector market.

In the mid 80's the EL80 was launched - the first AMC' Alarm Control Unit, while four years later the first dialler with vocal synthesis, the CT901SV was introduced to the market. The 90's indicated a revolutionary change in the security market and AMC was ready to meet this demand by launching the first remote controllable and radio system. AMC, always moving with the times, on and on this occasion, at the Milan's International Security Fair in 98' presents the C136 Alarm Control Unit, a fully pc programmable system via modem, and the CR100 system, a completely lithium-ion battery supplied radio alarm system.

Quality from experience **made in Italy.**

Today **AMC** has a well established international distribution network, featuring excellent products, "made in Italy"

and especially paying attention to detail when designing the products. This has been well recognised in the industry,

testimony to this is the numerous awards received for meeting customer needs and expectations. AMC is a wholly

Italian owned company. Their main activity is the production and the commercialisation of Alarm components. The

company's headquarter is in Alzate Brianza which is located near Como and only 30 km north of Milan, which can

be reached with ease via the A4 and A8 highway - pretty centrally and easily reachable from all 3 main Airports, i.e.

Bergamo, Milano Linate and Milano Malpensa. AMC has a test laboratory and a fully automated production line

for the SMT technology electronic boards. To greater guarantee the product, the business seeks further approval

from outside authorities, authorised to inspect the equipment continuously to allow to maintain the high quality.

ITALIAN
DESIGN

Index

Control panels

Detectors

Sirens

Speech dialler
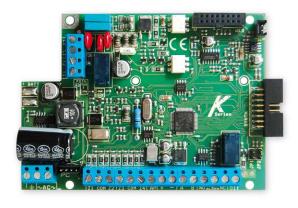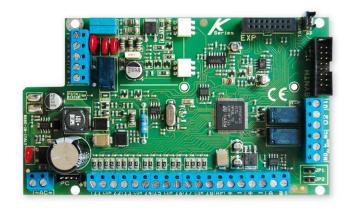
KSeries - KSeriesV ◉

WITH VIDEO VERIFICATION

K4 K4V	4 - 12 zones split double, triple EOL + 2 zones for each keypad* (max 4 zones)

K8 K8V	8 - 24 zones split double, triple EOL + 2 zones for each keypad* (max 8 zones)

K8plus K8plusV	8 - 64 zones double, triple EOL
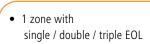
GPRS/3G/4G module

IP / IP Wi-Fi module

PSTN on board

Hybrid system (wired and wireless input)

CMS multiformat
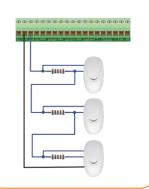
Multisplit zones
K4-K4V-K8-K8V (without expansions)

BUS line (4 wires) RS485

up to 1 km

- 1 zone with single / double / triple EOL
- 2 zones with tamper protection
- 3 zones
- many other configurations

iOS/Android APP
AMCPlus

iOS/Android APP
AMCPlus+
VIDEO VERIFICATION

AMC Cloud

Download on the App Store

ANDROID APP ON Google play

4

Settable by PC

VeoSystem
VIDEO VERIFICATION

The **KSeries** / **KSeries V** are security control panels for building protection; hybrid system (wired and wireless input).
EN 50131, Grade 2, Class 2 approved. The control panels are equipped of 4/8 zones, expandable to 16/64. It is possible to obtain more zones by double and triple EOL split line (K4-K4V-K8-K8V).
KSeries / KSeries V are able to notify one or more situations of ALARM, ROBBERY, TAMPERING and TROUBLE with different carriers:
- **PSTN LINE on board** (voice beep calls**, Contact ID, SIA fsk, etc.)
- **GPRS/3G/4G module** (voice beep calls**, SMS, Contact ID, DC09 IP protocol for Contact ID and SIA IP)
- **IP / IP Wi-Fi module** (DC09 IP protocol for Contact ID and SIA IP)

The panels can be controlled by App (iOS/Android) with IP module and/or GPRS/3G/4G module. The programming can be made with keypad and/or PC software. The programming with software can be made remotely with IP module and/or GPRS/3G/4G module.

** The KSeries / KSeries V have not voice synthesis, the calls are made with beeps

Technical Features	K 4	K 4 V	K 8	K 8 V	K 8 Plus	K 8 Plus V
ZONES	4 - 12 zones split double, triple EOL + 2 zones for each keypad* (max 4 zones)		8 - 24 zones split double, triple EOL + 2 zones for each keypad* (max 8 zones)		8 - 64 zones double, triple EOL	
WIRELESS ZONES	64 zones		64 zones		64 zones	
OUTPUTS	1 on board - expandable to 8 (with expansions or keypads)		2 on board - expandable to 8 (with expansions or keypads)		2 on board - expandable to 17 (with expansions or keypads)	
USER CODE	32		32		64	
AREAS	4		4		8	
GROUPS	4		4		4	
KEYPADS	4		4		8	
TAG READER	4		4		8	
LOG EVENTS	1000		1000		1000	
PHONE NUMBERS	8 for SMS and private calls + 8 for CMS		8 for SMS and private calls + 8 for CMS		8 for SMS and private calls + 8 for CMS	
CARRIERS	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module
REMOTE MANAGEMENT	by App (iOS - Android)		by App (iOS - Android)		by App (iOS - Android)	
REMOTE PROGRAMMING	by PC software		by PC software		by PC software	
MULTI-USER MANAGEMENT VIA APP	-	YES	-	YES	-	YES
VIDEO VERIFICATION	-	YES	-	YES	-	YES
TIMERS	4 per day week		4 per day week		4 per day week	
Accessories						
IP-1 - IP module	YES	YES	YES	YES	YES	YES
IP-1 W - IP module Wi-Fi	-	YES	-	YES	-	YES
X GPRS - GPRS module	YES	YES	YES	YES	YES	YES
X 3E / X 3A / X 3J - 3G module	YES	YES	YES	YES	YES	YES
X 4W - 4G module	-	YES	-	YES	-	YES
KX-AL - remote power supply	-	YES	-	YES	-	YES
IFV 800 - wireless PIR detector with integrated Wi-Fi camera	-	YES	-	YES	-	YES

* Keypads with zones are Unika, K-lcd Blue, K-lcd Blue Tag, K-lcd Light Plus

XSeries - XSeriesV ◉
WITH VIDEO VERIFICATION

X412
X412V | **4 - 12 zones**
split double, triple EOL
+ 2 zones for each keypad* (max 4 zones)

CMS
multiformat

Clamps removable
(X824-X864)

Voice
managing

X824
X824V | **8 - 24 zones**
split double, triple EOL
+ 2 zones for each keypad* (max 8 zones)

X864
X864V | **8 - 64 zones**
double, triple EOL

PSTN
on board

IP / IP Wi-Fi
module

GPRS/3G/4G
module

Hybrid system
(wired and wireless input)

Voice
support

BUS line
(4 wires) RS485

iOS/Android APP
AMCPlus

iOS/Android APP
AMCPlus+
VIDEO VERIFICATION

up to 1 km

Cloud

App Store

Google play

6

Settable by PC

VeoSystem
VIDEO VERIFICATION

The **XSeries** / **XSeries V** are security control panels for building protection; hybrid system (wired and wireless input).
EN 50131, Grade 2, Class 2 approved. The control panels have **audio support on board** and are equipped of 4/8 zones, expandable to 16/64. It is possible to obtain more zones by double and triple EOL split line (X412-X412V-X824-X824V).
XSeries / XSeries V are able to notify one or more situations of ALARM, ROBBERY, TAMPERING and TROUBLE with different carriers:

• **PSTN LINE on board** (voice call, Contact ID, SIA fsk, etc.)
• **GPRS/3G/4G module** (voice call, SMS, Contact ID, DC09 IP protocol for Contact ID and SIA IP)
• **IP / IP Wi-Fi module** (DC09 IP protocol for Contact ID and SIA IP)

The panels can be controlled by App (iOS/Android) with IP module and/or GPRS/3G/4G module.
The programming can be made with keypad and/or PC software.
The programming with software can be made remotely with IP module and/or GPRS/3G/4G module.

Technical Features	X 412	X 412 V	X 824	X 824 V	X 864	X 864 V
ZONES	4 - 12 zones split double, triple EOL + 2 zones for each keypad* (max 4 zones)		8 - 24 zones split double, triple EOL + 2 zones for each keypad* (max 8 zones)		8 - 64 zones double, triple EOL	
WIRELESS ZONES	64 zones		64 zones		64 zones	
OUTPUTS	5 on board - expandable to 8 (with expansions or keypads)		5 on board - expandable to 8 (with expansions or keypads)		5 on board - expandable to 17 (with expansions or keypads)	
USER CODE	32		32		64	
AREAS	4		4		8	
GROUPS	4		4		4	
KEYPADS	4		4		8	
TAG READER	4		4		8	
LOG EVENTS	1000		1000		1000	
PHONE NUMBERS	8 for SMS and private calls + 8 for CMS		8 for SMS and private calls + 8 for CMS		8 for SMS and private calls + 8 for CMS	
CARRIERS	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module	PSTN on board, GPRS/3G module, IP module	PSTN on board, GPRS/3G/4G module, IP module
REMOTE MANAGEMENT	by App (iOS - Android)		by App (iOS - Android)		by App (iOS - Android)	
REMOTE PROGRAMMING	by PC software		by PC software		by PC software	
MULTI-USER MANAGEMENT VIA APP	-	YES	-	YES	-	YES
VIDEO VERIFICATION	-	YES	-	YES	-	YES
TIMERS	4 per day week		4 per day week		8 per day week	

Accessories

IP-1 - IP module	YES	YES	YES	YES	YES	YES
IP-1 W - IP module Wi-Fi	-	YES	-	YES	-	YES
X GPRS - GPRS module	YES	YES	YES	YES	YES	YES
X 3E / X 3A / X 3J - 3G module	YES	YES	YES	YES	YES	YES
X 4W - 4G module	-	YES	-	YES	-	YES
KX-AL - remote power supply	-	YES	-	YES	-	YES
IFV 800 - wireless PIR detector with integrated Wi-Fi camera	-	YES	-	YES	-	YES

* Keypads with zones are Unika, K-lcd Blue, K-lcd Blue Tag, K-lcd Light Plus
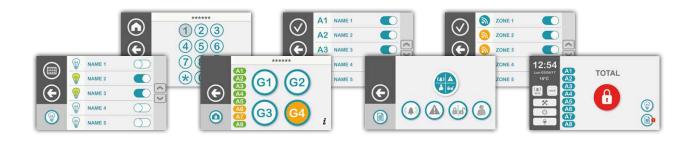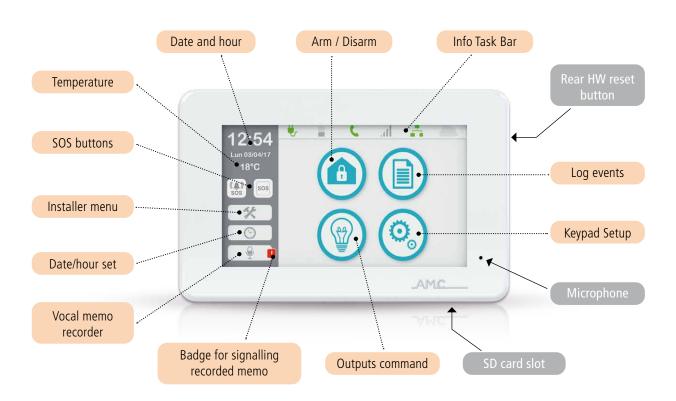
Unika
TOUCHSCREEN KEYPAD

RFID   NFC

Unika is the AMC touchscreen keypad with 5-inches screen and ABS thin cover. It is equipped with an intuitive graphical interface user friendly. With just few steps you can manage all the functions of the keypad. Large screen and cool design make the Unika keypad a UNIQUE product up to date.

- Display 5 inches TFT high resolution (480 x 272)
- User friendly icons interface
- SD card reader for image loading, FW upgrading
- NFC reader for smartphone recognizing
- Microphone and speaker
- Temperature sensor

- Vocal memo
- Photo frame screensaver
- Thin cover
- Wall installation
- Dimensions: W 155, H 100, D 18 mm

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100

Date and hour

Arm / Disarm

Info Task Bar

Temperature

Rear HW reset button

SOS buttons

Log events

Installer menu

Date/hour set

Keypad Setup

Vocal memo recorder

Microphone

Badge for signalling recorded memo

Outputs command

SD card slot

Unika

Touchscreen keypad with RFID/NFC tag reader

Touchscreen keypad with 5 inches screen and ABS thin cover. Cool and intuitive graphic interface. You can manage all function of panel with few touch. Dimensions: W 155, H 100, D 18 mm

K-lcd Blue Tag

32 characters lcd keypad with RFID/NFC tag reader

Lcd keypad with RFID/NFC integrated tag reader. Backlight liquid crystal display 32 characters on two lines. Two configurable lines as inputs and/or outputs; 3 signalling LEDs. Protective front door. Programmable keys for quick commands. Dimensions: W 135, H 116, D 24 mm

K-lcd Blue ● 32 characters lcd keypad

EN 50131 / GRADE 2 / CLASS 2
Backlight liquid crystal display 32 characters on two lines. Two configurable lines as inputs and/or outputs; 3 signalling LEDs. Protective front door. Programmable keys for quick commands.
Dimensions: W 135, H 116, D 24 mm

K-lcd Light Plus ● 32 characters lcd keypad

Backlight liquid crystal display 32 characters on two lines. Two configurable lines as inputs and/or outputs; 3 signalling LEDs. Protective front door. Programmable keys for quick commands.
Dimensions: W 86, H 114, D 23 mm

K-lcd Light ● 32 characters lcd keypad

Backlight liquid crystal display 32 characters on two lines; 3 signalling LEDs. Protective front door. Programmable keys for quick commands.
Dimensions: W 86, H 114, D 23 mm

COM/USB ● USB adapter

COM/USB is an adapter for programming control panels.

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WIRED SYSTEMS ACCESSORIES

■ **KX-AL** ● Remote power supply

(Compatible with KSeries V, XSeries V, XR V control panels)

KX-AL is a remote power supply controlled from panel via bus RS485.

- Main power 230 V or 110 V
- Output Power 27 W (13.8 Vdc @ 2A)
  + 8 W for backup battery charger
- Battery charger with different selections (18Ah and/or 7Ah)
- Electronic overcurrent and overload protection
- Tamper for remove and opening system
- 8 inputs and 3 outputs expansion
- Completely diagnostic checks with panel
  and monitoring software
- Possibility of use in stand-alone mode
- Possibility to use up 2 power supply for each
  panels installation

Dimensions: W 315, H 388, D 95 mm

■ **KX-in** ● Expansion board

KX-in is a 8 zones expansion module with auto protection tamper box.
Dimensions: W 106, H 80, D 25 mm

■ **KX-out** ● Expansion board

KX-out is a 3 relay outputs expansion module with auto protection tamper box.
Dimensions: W 106, H 80, D 25 mm

IP MODULES FOR CONNECTION PANEL TO INTERNET / CLOUD

■ **IP-1**

IP module for connection panel to Internet/Cloud.
Usable for CMS messages, Cloud service, App management, remote programming, video verification etc.

■ **IP-1 W** (Compatible with KSeries V, XSeries V, XR V control panels)

IP module with **Wi-Fi module on board**, for connection panel to Internet/Cloud without cables by connecting with home Wi-Fi network.
Usable for CMS messages, Cloud service, App management, remote programming, video verification etc.

COMMUNICATION MODULES

Usable for voice call, SMS, CMS messages, Cloud service, App management, remote programming, video verification etc.

■ **X GPRS - GPRS module** (850/900/1800/1900 MHz)

■ **X 3E - GPRS module** (900/1800 MHz) / **3G module** (900/2100 MHz)

■ **X 3A - GPRS module** (850/900/1800/1900 MHz) / **3G module** (850/1900 MHz)

■ **X 3J - GPRS module** (850/900/1800/1900 MHz) / **3G module** (850(800)/2100 MHz)

■ **X 4W - 4G module (worldwide)**

(Compatible with KSeries V, XSeries V, XR V control panels)

Check the 4G frequencies
on AMC website

■ KX-TAG

Badge with RFID tag, for arm and disarm the control panel. Dimensions: 85 x 54 mm

■ KX-KEY

Keychain in ABS black, IP68, with RFID tag for arm and disarm the control panel. Dimensions: 60 x 25 x 6 mm

■ KX-PB ● Transponder

Proximity device for arm, disarm and partial arm the control panel. IP54 To use with KX-TAG and KX-KEY. Available colours: white Dimensions: W 80, H 135, D 28 mm

■ KX-PS ● Transponder

Device for civil series with 1 unit. Four signalling leds for system status and control. To use with KX-TAG and KX-KEY. Dimensions: W 30, H 20, D 50 mm

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WIRELESS EXPANDERS

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868 MHz ■ **K-radio800**
916 MHz ■ **K-radio900**

32 characters lcd keypad with an integrated radio receiver

It's a keypad with an integrated radio receiver on serial bus with the ability to store 32 two-way radio devices of different types: remote controls, detectors, smoke detectors, inertial etc. Thanks to 128-bit AES encryption (Advanced Encryption Standard) ensures maximum protection against attempts of cloning or masking signal. The power of transmission of the radio signals from the various devices is managed and limited by control panel to a sufficient value, thus increasing the average life of the batteries. The communication between the control panel and devices is bidirectional for each type of transmission which must be confirmed by the receiver, allowing to obtain the maximum safety concerning the outcome of communication and to avoid congestion of the radio signals. The operations of installation and maintenance are made easier by the total lack of switches and potentiometers hardware; all devices are configurable by the control panel. The learning mode of the devices can be automatic by means of self-learning by the control panel or manually by means of coding of each individual device. Dimensions: W 135, H 116, D 24 mm
Order Codes: **K-radio800:** 868 MHz / **K-radio900:** 916 MHz

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868 MHz ■ **Expr800**
916 MHz ■ **Expr900**

Radio expansion

It's a radio receiver on serial bus with the ability to store 32 two-way radio devices of different types: remote controls, detectors, smoke detectors, inertial etc. Thanks to 128-bit AES encryption (Advanced Encryption Standard) ensures maximum protection against attempts of cloning or masking signal. The power of transmission of the radio signals from the various devices is managed and limited by control panel to a sufficient value, thus increasing the average life of the batteries. The communication between the control panel and devices is bidirectional for each type of transmission which must be confirmed by the receiver, allowing to obtain the maximum safety concerning the outcome of communication and to avoid congestion of the radio signals. The operations of installation and maintenance are made easier by the total lack of switches and potentiometers hardware; all devices are configurable by the control panel. The learning mode of the devices can be automatic by means of self-learning by the control panel or manually by means of coding of each individual device. Dimensions: W 37, H 130, D 27 mm
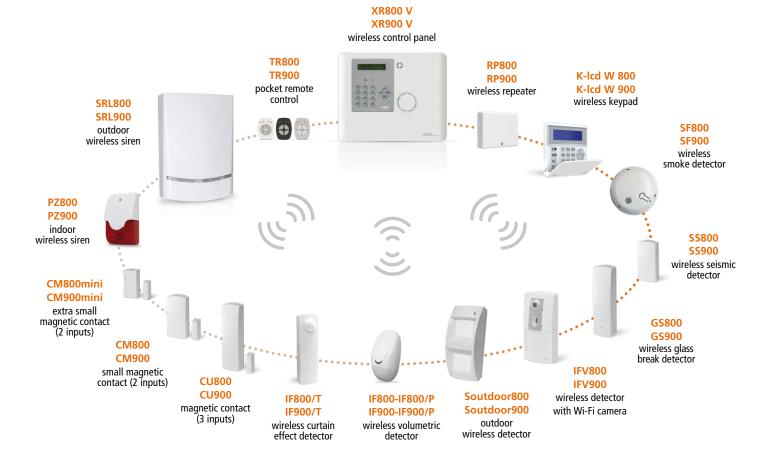Order Codes: **Expr800:** 868 MHz / **Expr900:** 916 MHz

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WIRELESS CONTROL PANEL

XR800V • 868 MHz
XR900V • 916 MHz

TWO-WAY WIRELESS CONTROL PANEL WITH VIDEO VERIFICATION

64 wireless zones
10 wired zones

XR800 V
XR900 V
wireless control panel

TR800
TR900
pocket remote
control

RP800
RP900
wireless repeater

K-lcd W 800
K-lcd W 900
wireless keypad

SRL800
SRL900
outdoor
wireless siren

SF800
SF900
wireless
smoke detector

PZ800
PZ900
indoor
wireless siren

SS800
SS900
wireless seismic
detector

CM800mini
CM900mini
extra small
magnetic contact
(2 inputs)

GS800
GS900
wireless glass
break detector

CM800
CM900
small magnetic
contact (2 inputs)

CU800
CU900
magnetic contact
(3 inputs)

IF800/T
IF900/T
wireless curtain
effect detector

IF800-IF800/P
IF900-IF900/P
wireless volumetric
detector

Soutdoor800
Soutdoor900
outdoor
wireless detector

IFV800
IFV900
wireless detector
with Wi-Fi camera

The **XR800 V** and **XR900 V** are wireless control panels for building protection. They have **audio support on board** and are equipped of 64 wireless zones that are configured in different functions (alarm, robbery, smoke, detection, seismic). They are able to notify one or more situations of ALARM, ROBBERY, TAMPERING and TROUBLE with different carriers:
*   **PSTN LINE on board** (voice call, Contact ID, SIA fsk, etc.)
*   **GPRS/3G/4G module** (voice call, SMS, Contact ID, DC09 IP protocol for Contact ID and SIA IP)
*   **IP / IP Wi-Fi module** (DC09 IP protocol for Contact ID and SIA IP)

The panels can be controlled by App (iOS/Android) with IP module and/or GPRS/3G/4G module.
The programming can be made with keypad and/or PC software.
The programming with software can be made remotely with IP module and/or GPRS/3G/4G module.

iOS/Android APP
AMCPlus

iOS/Android APP
AMCPlus+
VIDEO VERIFICATION

Download on the
App Store

ANDROID APP ON
Google play

AMC Cloud

Settable by PC

VeoSystem
VIDEO VERIFICATION

	Two-way wireless system		Radio range 1 km		Vectors: PSTN - IP - GPRS - 3G - 4G		Batteries included

	BUS line (4 wires) RS485		Siren on board		Voice support		PSTN on board

CMS multiformat

Technical Features	XR 800 V / XR 900 V
WIRELESS ZONES	64 zones
WIRED ZONES	2 on board - expandable to 10 (with expansions or keypads)
OUTPUTS	2 on board - expandable to 14 (with expansions or keypads)
USER CODE	64
AREAS	4
GROUPS	4
KEYPADS	2
TAG READER	4
LOG EVENTS	1000
PHONE NUMBERS	8 for SMS and private calls + 8 for CMS
CARRIERS	PSTN on board, GPRS/3G/4G module, IP module
REMOTE MANAGEMENT IP - GPRS/3G/4G	by App (iOS - Android)
REMOTE PROGRAMMING IP - GPRS/3G/4G	by PC software
MULTI-USER MANAGEMENT VIA APP	YES
VIDEO VERIFICATION	YES
TIMERS	4 per day week

XR 800 V and XR 900 V are compatible with all ACCESSORIES of K and X Series:

Unika touchscreen keypad

K-lcd Blue keypad

KX-in expansion board

IP module

K-lcd Light
K-lcd Light Plus keypad

K-lcd Blue Tag keypad with RFID / NFC tag reader

KX-out expansion board

GPRS/3G/4G modules

800 Series • 868 MHz
900 Series • 916 MHz

Wi Fi

EN 50131 / GRADE 2 / CLASS 2

IFV800 / IFV900

Wireless PIR detector with integrated Wi-Fi camera
(Compatible with KSeries V, XSeries V, XR V control panels)

PIR detector with a high resolution camera. The transmission of the pre-post alarm video is sent through the integrated Wi-Fi module on board and view with the App AMC Plus+.
It is also possible to request video recordings, at any time, through the Wi-Fi connection and the App AMC Plus+. The transmission by Wi-Fi technology allow fast data exchange with the Cloud, consequently IFV800/IFV900 is very performing in terms of upload video time and quality in case of alarm. It is possible modify the quality of video with internal menu of detector that can be programmed direct via Wi-Fi. It is equipped with an infrared illuminator for low level light of the room. The images are sent to the Cloud through the home Wi-Fi network.

Available colours: white

Order Codes:
IFV800: 868 MHz, white colour
IFV900: 916 MHz, white colour

VeoSystem
VIDEO VERIFICATION

The system can be managed through the App **AMC Plus+**:

- DOWNLOAD PRE-POST ALARM VIDEO FROM CLOUD
- VIDEO RECORDINGS ON REQUEST
  THROUGH THE CLOUD, AT ANY TIME
- PUSH SYSTEM NOTIFICATIONS

Download on the App Store

ANDROID APP ON Google play

Technical Features	IFV800 / IFV900
EN 50131 / GRADE 2 / CLASS 2	conform
POWER SUPPLY	6 - 15 Vdc
BACKUP BATTERY	Lithium 2032 - 3 V
CONSUMPTION	min 90 mA - max 115 mA
RFI PROTECTION	30 V/m
TEMPERATURE COMPENSATION	YES
WIRELESS FREQUENCY	868.3 MHz / 916.0 MHz
PIR TYPE	digital
DIGITAL ANALYSIS	YES
RANGE PIR	12 mt
PIR LENS	Fresnel 22 pattern on 3 levels
PIR ANGLE	90°
OPERATING TEMPERATURE	from -10°C to +40°C
WI-FI	standard 802.11b/g/n
CAMERA ANGLE	120°
CAMERA LENS	2.8 mm
CAMERA SENSOR	1/4 inch
CAMERA RESOLUTION	160x120 - 320x240 - 352x288 640x480 - 1024x768
FRAME PRE-POST ALARM	16
INFRARED LIGHT	YES
WALK TEST'S LED	YES
ANTI-OPENING TAMPER	YES
BACK TAMPER	YES
PULSE COUNTER	YES
BRACKET AVAILABLE	YES
HOUSING	ABS
DIMENSIONS	130 x 65 x 40 mm

■ **RP800** / **RP900** ● Wireless repeater

RP800 and RP900 are able to repeat all the signals coming from all wireless systems 800 Series / 900 Series:

- 32 wireless devices
- 20 keyfobs
- 4 wireless keypads
- 4 wireless sirens

It's powered by external power of 12Vdc and it has rechargeable batteries with duration of 24/48h without main power. It's programmable via software with wireless devices codes or in self learning mode.
Dimensions: W 106, H 80, D 25 mm

Order Codes:
RP800: 868 MHz
RP900: 916 MHz

■ **K-lcd W 800** / **K-lcd W 900** ● 32 characters lcd wireless keypad

Bidirectional wireless keypad powered by batteries (2 batteries AAA - Alkaline 1.5V). It can be fed with external power (4 - 18 Vdc). It is equipped with a LCD display 32 characters on two lines, and a programmable NFC / RFID tag reader, with which it is possible to arm / disarm and enable / disable programmed outputs. It is a full bidirectional keypad and allows the user to have a real feedback of the status of the system (not ready zones, troubles etc.). Dimensions: W 135, H 116, D 24 mm

- Arm / disarm panel (in all configurations)
- Not ready zones alert
- Bypass zones
- Change / modify personal user code
- External power or batteries (included)

- Allow technical access
- Log event reading
- Outputs triggering
- Tag readers management

RFID   NFC

Order Codes:
K-LCDW800: 868 MHz
K-LCDW900: 916 MHz

WIRELESS SYSTEMS ACCESSORIES

800 Series • 868 MHz
900 Series • 916 MHz

EN 50131 / GRADE 2 / CLASS 2

■ CM800mini / CM900mini ● Extra Small magnetic contact

It's a very small device; it has 2 completely separable and partitionable configurable inputs: an internal REED and a clamped input for an external generic contact. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with anti-opening protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Available colours: white, dark brown - Dimensions: W 25, H 50, D 17 mm

Order Codes:

CM800mini: 868 MHz, white colour

CM900mini: 916 MHz, white colour

CM800mini-M: 868 MHz, dark brown colour

CM900mini-M: 916 MHz, dark brown colour

■ CM800 / CM900 ● Small magnetic contact

It's a small device; it has 2 completely separable and partitionable configurable inputs: an internal REED and a clamped input for an external generic contact. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with anti-opening protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Available colours: white, dark brown - Dimensions: W 37, H 78, D 21 mm

Order Codes:

CM800: 868 MHz, white colour

CM900: 916 MHz, white colour

CM800-M: 868 MHz, dark brown colour

CM900-M: 916 MHz, dark brown colour

■ CU800 / CU900 ● Magnetic contact

It has 3 completely separable and partitionable configurable inputs: an internal REED, a clamped input for an external generic contact, a clamped input for fast contacts (rolling shutter, glass brake) with adjustable sensibility. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with anti-opening protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.
Available colours: white, dark brown - Dimensions: W 37, H 130, D 27 mm

Order Codes:

CU800: 868 MHz, white colour

CU900: 916 MHz, white colour

CU800-M: 868 MHz, dark brown colour

CU900-M: 916 MHz, dark brown colour

IF800/T / IF900/T ● Wireless curtain effect detector

It's a wireless infrared detector, with an adjustable range from 1 mt up to 5 mt, designed to realize a "curtain shape" protection barrier useful for doors and windows or everywhere is necessary to detect a movement that happens in only one direction. The 128 bit AES encryption code guarantee an high security. It's provided with an anti-opening tamper protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Protection class IP54.
Available colours: white, dark brown - Dimensions: W 130, H 37, D 37 mm
Order Codes:
IF800/T: 868 MHz, white colour   **IF900/T:** 916 MHz, white colour
IF800/T-M: 868 MHz, dark brown colour   **IF900/T-M:** 916 MHz, dark brown colour

IF800 / IF900 ● Wireless volumetric detector

It's a 15 mt range infrared wireless detector with more than 90° angular range thanks to its 31 beam lens. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with an anti-opening tamper protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.
Available colours: white - Dimensions: W 60, H 110, D 46 mm
Order Codes:
IF800: 868 MHz, white colour   **IF900:** 916 MHz, white colour

IF800/P / IF900/P ● Wireless volumetric detector, pet immune

Like IF800 / IF900 but available pet immunity up to15 kg.
Order Codes:
IF800/P: 868 MHz, pet immune, white colour   **IF900/P:** 916 MHz, pet immune, white colour

SS800 / SS900 ● Wireless seismic detector

It's a small device; it has 2 completely separable and partitionable configurable inputs: an internal micro seismic detector and a clamped input for an external generic contact. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with anti-opening protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.
Available colours: white, dark brown - Dimensions: W 37, H 78, D 21 mm
Order Codes:
SS800: 868 MHz, white colour   **SS900:** 916 MHz, white colour
SS800-M: 868 MHz, dark brown colour   **SS900-M:** 916 MHz, dark brown colour

800 Series • 868 MHz
900 Series • 916 MHz

EN 50131 / GRADE 2 / CLASS 2

GS800 / GS900 ● Wireless glass break detector

(Compatible with KSeries V, XSeries V, XR V control panels)

Detector for the notification of glass breakage. It has an adjustable range up to 7 mt. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's provided with anti-opening protection. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.
Available colours: white, dark brown - Dimensions: W 37, H 130, D 27 mm
Order Codes:

GS800: 868 MHz, white colour

GS800-M: 868 MHz, dark brown colour

GS900: 916 MHz, white colour

GS900-M: 916 MHz, dark brown colour

SF800 / SF900 ● Wireless smoke detector

It's a stand-alone wireless smoke detector designed for protection small areas. It's an optical smoke detector that uses the Tyndall effect to verify the presence of combustion particles in the air. In particular, reveals cold smoke and visible (with the combustion particles sized between 0,3 µm and 2 µm). It's equipped with a 9-volt battery and emits a modulated sound, compatible with the evacuation signal when it detects smoke. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. It's also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.
Available colour: white
Dimensions: Ø 120, H 55 mm
Order Codes:

SF800: 868 MHz, white colour

SF900: 916 MHz, white colour

Soutdoor800 / Soutdoor900 ● Outdoor wireless detector

It's an outdoor double PIR detector, pet immune. It is usable with 800/900 series wireless system. It's a full digital detector (with 2 digital PIR), with an analysis system devoid of the classical noise that occur with the use of traditional analog PIR. Through the use of fully digital PIR detector is protected from white light masking and has much higher efficiency in the discrimination in its action range. Even with the significant temperature variations, the digital temperature compensation system guarantees a high efficiency. It has a range of 15 mt, with an opening angle of 90°. Protection class IP65.
Available colour: white - Dimensions: W 85, H 185, D 66 mm
Order Codes:

Soutdoor800: 868 MHz, white colour

Soutdoor900: 916 MHz, white colour

■ **TR800** / **TR900** ● Pocket remote control

Programmable 4 channels radio remote controller. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. Also this allows you to have a carryover of system status or of any equipment that is managed remotely. The 128 bit AES encryption code guarantee an high security. The standard lithium-ions battery allows a very long duration. Dimensions: W 42, H 58, D 13 mm

Order Codes:
TR800-WG: 868 MHz, white with grey keys   **TR900-WG:** 916 MHz, white with grey keys
TR800-GW: 868 MHz, grey with white keys   **TR900-GW:** 916 MHz, grey with white keys
TR800-BG: 868 MHz, black with grey keys   **TR900-BG:** 916 MHz, black with grey keys

■ **PZ800** / **PZ900** ● Indoor wireless siren

It's an indoor wireless, bitonal, piezoelectric siren with red led flash. The housing is made in ABS. It communicates with the control panel by a bidirectional digital radio transmission channel to avoid signal collisions or band saturation and ensure high stability and precision. The 128 bit AES encryption code guarantee an high security. The standard lithium-ions battery allows a very long duration.
Available colour: white - Dimensions: W 73, H 123, D 47 mm
Order Codes:
PZ800: 868 MHz, white cover, red light   **PZ900:** 916 MHz, white cover, red light

■ **SRL800** / **SRL900** ● Outdoor wireless siren

It's a two-way supervisioned wireless siren. 128 bit AES encryption code; autolearning programming and/or code programming. Powered with 3.6V 18Ah Lithium batteries included. Possibility to power with external power supply with 4V to 15V 200mA max. It's provided with anti-opening and back tampers protection; high efficiency LED light. Memory alarm signals, arm/disarm signals. Protection class IP54.
Available colour: white - Dimensions: W 210, H 295, D 70 mm

Order Codes:
SRL800: 868 MHz, white cover, red light
SRL800-WW: 868 MHz, white cover, white light
SRL800-WB: 868 MHz, white cover, blue light

SRL900: 916 MHz, white cover, red light
SRL900-WW: 916 MHz, white cover, white light
SRL900-WB: 916 MHz, white cover, blue light

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PRO LINE
PROFESSIONAL DETECTORS

10 YEARS warranty

The new **ProLine detectors** represent the best choice for residential and industrial installations in the security sector. ProLine detectors uses only digital PIRs, thus avoiding the conversion that generally must be done in traditional detectors, where the analog PIR is amplified and converted to digital.

Thanks to the TOTALLY digital technology, the detector is much more accurate in detecting intrusions and not suffering of alterations such as: white light, ultraviolet light, temperature, air movement due to heating/cooling systems and it is totally immune to radiated and conducted electromagnetic disturbances.

ProLine detectors are equipped with lenses designed by AMC and made by Fresnel Technologies, Inc. **LODIFF®** technology for optics realization in combination with **POLY IR®** materials make it a product with highest quality and efficiency.

All ProLine detectors are pet immune with range of 15 mt, with 100 degrees angle.

Anti-masking
Anti-masking protection activated from 1 to 30 cm from the detector.
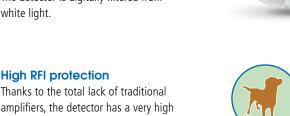
Full digital PIR
The detector has no analog components, the full digital PIR is connected directly to the microprocessor.

White light protection
The detector is digitally filtered from white light.

High RFI protection
Thanks to the total lack of traditional amplifiers, the detector has a very high RFI immunity.

Pet immunity
All our detectors are pet immune up to 15 Kg, thanks to the new lens design combined with the digital analysis system.

Ultraviolet stabilization
POLY IR®4 material for lenses
The lens is molded in POLY IR® materials. These materials offer the best combination of transmittance, environmental stability, and color of any polymer. Materials available for the 8-14 micron region of the infrared.

LODIFF® Fresnel Lens Technology
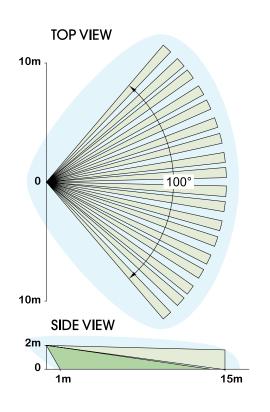The lens array is made by tiling pieces of LODIFF® lenses. These lenses offer significantly improved performance over typical constant-groove-width Fresnel.

LODIFF® and POLY IR® are registered trademarks of Fresnel Technologies, Inc.

TOP VIEW

SIDE VIEW

IR1

CONFORM TO EN 50131-2-2 / GRADE 2
Digital PIR detector with EOL resistors

DT1

CONFORM TO EN 50131-2-4 / GRADE 2
Dual Technology detector with EOL resistors

DT1AM

CONFORM TO EN 50131-2-4 / GRADE 3
Dual Technology, Anti-Masking detector with EOL resistors

BRACKET SN4
(wall / ceiling bracket)

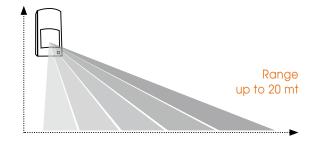| Technical Features	IR1 DIGITAL PIR	DT1 DUAL TECHNOLOGY	DT1AM DUAL TECHNOLOGY
RANGE	15 mt	15 mt	15 mt
ANGLE	100°	100°	100°
LENS	Fresnel Lens LODIFF® POLY IR®4 material	Fresnel Lens LODIFF® POLY IR®4 material	Fresnel Lens LODIFF® POLY IR®4 material
LED	blue	green, yellow, blue	green, yellow, blue
ALARM TIME	2''	2''	2''
SELF TEST	-	-	YES
WALK TEST'S LED	YES	YES	YES
MICROWAVE FREQUENCY	-	9.3 - 9.9 - 10.5 Ghz	9.3 - 9.9 - 10.5 Ghz
SOLID STATE RELAY	YES	YES	YES
INTERNAL EOL RESISTORS	YES	YES	YES
CREEP ZONE	YES	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES
BACK TAMPER	YES	YES	YES
ANTI-MASKING DEVICE	-	-	YES
PULSE COUNTER	YES	YES	YES
RFI PROTECTION	30 V/m	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES	YES
FULL DIGITAL	YES	YES	YES
BRACKET AVAILABLE	YES	YES	YES
POWER SUPPLY	13.8 Vdc	13.8 Vdc	13.8 Vdc
HOUSING	ABS	ABS	ABS
PET IMMUNITY	YES	YES	YES
OPERATING TEMPERATURE	from -10°C to +40°C	from -10°C to +40°C	from -10°C to +40°C
DIMENSIONS	114 x 63 x 40 mm	114 x 63 x 40 mm	114 x 63 x 40 mm

Pro mask

EN 50131-2-4 / GRADE 2

Technical Features	Pro mask
EN 50131-2-4 / GRADE 2	YES
RANGE	20 mt
ANGLE	90°
LENS	Fresnel
MICROWAVE FREQUENCY	9.3 - 9.9 - 10.5 Ghz
MICROWAVE EMITTED POWER	10 mW impuls
ALARM TIME	2''
ALARM TYPE	AND - OR - AUTO OR
WALK TEST'S LED (MW & PIR)	YES
ANTI-OPENING TAMPER	YES
BACK TAMPER	with accelerometer
ALARM CONTACT	100 mA - 40 V - 2.5 - 16 Ω
PULSE COUNTER	YES
RFI PROTECTION	30 V/m
TEMPERATURE COMPENSATION	YES
DIGITAL ANALYSIS	YES
BRACKET AVAILABLE	YES
POWER SUPPLY	13.8 Vdc
CONSUMPTION	32 mA
HOUSING	ABS
OPERATING TEMPERATURE	from -10°C to +40°C
DIMENSIONS	130 x 65 x 40 mm

10 YEARS warranty

Anti-Masking

RFI/white light digital filter protection

Accelerometer

Infrared digital analysis

Range up to 20 mt

Pro mask is the first born of a new generation of high-end digital detectors DT from AMC, indeed the functional features and multiple updates allows this detector to be on of the best products on the market.
Some updates:

•   **ANTI-MASKING** active on both technologies
•   **NOISE REDUCTION** function for installation problems in terms of noise
•   Activation and deactivation of the **MICROWAVE EMISSION** according to system status
•   Internal/built in **ACCELEROMETER,** with position recognition, vertical and horizontal, with tamper, removing, mechanical shocks and orientation notifications with no need of any connection to the wall.

Available colours: white

BRACKET SN2
(wall bracket)

Smile

EN 50131-2-2 / GRADE 2

Pet Immunity

BRACKET SN2
(wall bracket)

BRACKET SN4
(wall / ceiling bracket)

Smile19 - Smile19/P

EN 50131-2-2 / GRADE 2
Digital PIR
PET IMMUNE up to 15 kg (Smile 19/P)

Smile20 - Smile20/P

EN 50131-2-2 / GRADE 2
Digital PIR with internal EOL resistors
PET IMMUNE up to 15 kg (Smile 20/P)

Smile21 - Smile21/P

CONFORM TO EN 50131
Digital PIR
Automatic system for coverage regulation
PET IMMUNE up to 15 kg (Smile 21/P)

Smile22 - Smile22/P

CONFORM TO EN 50131
Digital PIR with internal EOL resistors
Automatic system for coverage regulation
PET IMMUNE up to 15 kg (Smile 22/P)

10 YEARS warranty

Detectors with an analysis system that takes into account the two most important changes that may occur during a movement: the speed and the intensity. With the simultaneous comparison of these two information, the detectors are able to discriminate repetitive movements from intrusion, lowering the percentage of false alarms. With high thermal variations, the totally digital temperature compensation system, guarantees a great performance. They have 15 mt coverage, with angle of 90°. With the special lens are equipped of creep zone. **Available colours:** white

Technical Features	Smile 19 Smile 19/P	Smile 20 Smile 20/P	Smile 21 Smile 21/P	Smile 22 Smile 22/P
EN 50131-2-2 / GRADE 2	YES	YES	conform	conform
RANGE	15 mt	15 mt	15 mt	15 mt
ANGLE	90°	90°	90°	90°
ALARM TIME	2''	2''	2''	2''
WALK TEST'S LED	YES	YES	YES	YES
SOLID STATE RELAY	YES	YES	YES	YES
SEPARATED ALARM AND TAMPER RELAYS	-	-	YES	YES
INTERNAL EOL RESISTORS	-	1K, 2k2, 4k7, 5k6, 8k2	-	1K, 2k2, 4k7, 5k6, 8k2
CREEP ZONE	YES	YES	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES	YES
PULSE COUNTER	YES	YES	YES	YES
RFI PROTECTION	30 V/m	30 V/m	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES	YES	YES
DIGITAL ANALYSIS	YES	YES	YES	YES
BRACKET AVAILABLE	YES	YES	YES	YES
POWER SUPPLY	13.8 Vdc	13.8 Vdc	13.8 Vdc	13.8 Vdc
CONSUMPTION	12 mA	12 mA	12 mA	12 mA
HOUSING	ABS	ABS	ABS	ABS
PET IMMUNITY	Smile 19/P	Smile 20/P	Smile 21/P	Smile 22/P
OPERATING TEMPERATURE	from -10°C to +40°C			
DIMENSIONS	110 x 60 x 46 mm			

Mouse

EN 50131-2- 4

Mouse02

EN 50131-2-4   **GRADE 3**

Dual Technology ANTI-MASKING detector with EOL resistors

Anti-Masking

Mouse09
Mouse09/P

EN 50131-2-4 / GRADE 2

Dual Technology detector with EOL resistors PET IMMUNE up to 15 kg (Mouse 09/P)

Pet Immunity

Simplified Assembly
without screws

10 YEARS warranty

Technical Features	Mouse 02	Mouse 09 Mouse 09/P
EN 50131-2-4 / GRADE 2	-	YES
EN 50131-2-4 / GRADE 3	YES	-
RANGE	15 mt	15 mt
ANGLE	90°	90°
ALARM TIME	2''	2''
SELF TEST	YES	-
WALK TEST'S LED	YES	YES
MICROWAVE FREQUENCY	9.3 - 9.9 - 10.5 Ghz	
SOLID STATE RELAY	YES	YES
INTERNAL EOL RESISTORS	1K, 2k2, 4k7, 5k6, 8k2	
CREEP ZONE	YES	YES
ANTI-OPENING TAMPER	YES	YES
ANTI-MASKING DEVICE	YES	-
PULSE COUNTER	YES	YES
RFI PROTECTION	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES
DIGITAL ANALYSIS	YES	YES
BRACKET AVAILABLE	YES	YES
POWER SUPPLY	13.8 Vdc	13.8 Vdc
CONSUMPTION	23 mA	23 mA
HOUSING	ABS	ABS
PET IMMUNITY	-	Mouse 09/P
OPERATING TEMPERATURE	from -10°C to +40°C	
DIMENSIONS	110 x 60 x 46 mm	

Dual technology detectors with an analysis system that takes into account the two most important changes that may occur during a movement: the speed and the intensity. With the simultaneous comparison of these two information, the detectors are able to discriminate repetitive movements from intrusion, lowering the percentage of false alarms. With high thermal variations, the totally digital temperature compensation system, guarantees a great performance. Are equipped with internal EOL resistors. They have 15 mt coverage, with angle of 90°. With the special lens are equipped of creep zone.
Available colours: white

DUAL TECHNOLOGY

MouseGS

CONFORM TO EN 50131

10 YEARS warranty

| Technical Features	Mouse GS	Mouse GS/P
POWER SUPPLY	13.8 Vdc	13.8 Vdc
CONSUMPTION	23 mA	23 mA
RANGE PIR	3 - 15 mt	3 - 15 mt
RANGE MICROPHONE	10 mt	10 mt
ANGLE	90°	90°
ALARM TIME	2''	2''
WALK TEST'S LED	YES	YES
CREEP ZONE	YES	YES
ANTI-OPENING TAMPER	YES	YES
RFI PROTECTION	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES
DIGITAL ANALYSIS	YES	YES
BRACKET AVAILABLE	YES	YES
HOUSING	ABS	ABS
PET IMMUNITY	-	YES
OPERATING TEMPERATURE	from -10°C to +40°C	from -10°C to +40°C
DIMENSIONS	110 x 60 x 46 mm	110 x 60 x 46 mm

Dual technology analysis
MICROPHONE and PIR

White light digital
filter protection
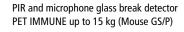
RFI digital
protection

MouseGS - MouseGS/P

PIR and microphone glass break detector
PET IMMUNE up to 15 kg (Mouse GS/P)

Pet Immunity

It's a dual technology detector consists of a PIR and a microphone for the notification of shock and glass breakage. It has independent settings and separate outputs for the PIR and the microphone section. It has a maximum range of 10 mt for the microphone section, and approximately 15 mt for the infrared. You can adjust the microphone section only for glass breakage, or for shock and glass breakage. It has the ability to have different filterings to accentuate or less the efficiency in detecting breakages/damage.
Pet immune up to 15 kg (Mouse GS/P).
Available colours: white

Simplified
assembly
without screws

BRACKET SN2
(wall bracket)

BRACKET SN4
(wall / ceiling bracket)

GS1

CONFORM TO EN 50131

10 YEARS warranty

Technical Features	GS1
POWER SUPPLY	13.8 Vdc
CONSUMPTION	15 mA
RANGE MICROPHONE	8 mt
ALARM TIME	2''
ANTI-OPENING TAMPER	YES
RFI PROTECTION	30 V/m
DIGITAL ANALYSIS	YES
HOUSING	ABS
OPERATING TEMPERATURE	from -10°C to +40°C
DIMENSIONS	37 x 78 x 21 mm

GS1 is a microphone glass break detector. It is equipped with filters that allow to determinate different types of glass breakage. It has a range of about 8 meters, and can be installed in any position without compromising efficiency. **Available colours:** white, dark brown
Order Codes:
GS1: white colour   /   **GS1-M:** dark brown colour

SEISMIC DETECTOR

SS14

DIGITAL DETECTOR WITH
ACCELEROMETER TECHNOLOGY

10 YEARS warranty

Technical Features	SS14
POWER SUPPLY	13.8 Vdc
CONSUMPTION	23 mA
ALARM TIME	2''
ANTI-OPENING TAMPER	YES
RFI PROTECTION	30 V/m
DIGITAL ANALYSIS	YES
HOUSING	ABS
OPERATING TEMPERATURE	from -10°C to +40°C
DIMENSIONS	37 x 78 x 21 mm

SS14 is a vibration/inertial detector designed for the protection of windows, cabinets, fixtures, and so on. It has a high-precision vibration sensor, which allows to determine the type of shock and/or vibration caused by an attempt to break through or forcing a frame. It is not necessary to use pulse analysis boards since everything is processed within the sensor itself. It is equipped with 2 channels, contact REED and INERTIAL / FLIP. **Available colours:** white, dark brown
Order Codes:
SS14: white colour   /   **SS14-M:** dark brown colour

Soutdoor

38°

180°

BRACKET **SN3**

Soutdoor/T

TRIPLE TECHNOLOGY

EN 50131-2-4 / GRADE 2 / CLASS 4

Soutdoor/T is an outdoor detector, that can be used for all external installations. It can be programmed by PC software, for these reason it is very efficient and complete for any particular installation (in garden with a lot of plants, animals, sun, and other sources that cause false alarms). It has maximum endurance, thanks to high protection grade. You have also the possibility to change cover, with different lens, so Soutdoor/T is suggested for all types of installation (near wall for door and windows protection, in places reach of vegetables or in presence of animals).

- Outdoor detector programmable by PC software:
    1. Complete programming of all detector's function
    2. Graphic visualization of each technology coverage
    3. Possibility of consulting the last events, memorized by detector
    4. Possibility of configuring the outputs
    5. Possibility of configuring 4 PRESET working, based on requirements
    6. Possibility of configuring pre-alarms, using one or more detector's technologies
- Range from 3 mt to 15 mt
- Internal memory events, to verify which technology has generated alarm
- Detector with three technologies (2 PIR, 1 microwave)
- Cover with different lens, depending on the type of installation (volumetric, curtain vertical/horizontal)
- PET immunity adjustable with different weight
- Double anti-masking with active IR
- Back tamper, and anti-opening with microswitch
- Anti-inclination tamper with accelerometer when it is used with bracket
- 3 outputs relé free to be used for alarm functions, masking and blinding
- Input of block detector (exclusion microwave when the system is disarmed)
- Trimmer coverage regulation in the function stand alone
- Protection class IP65
- Led two-colour Red and Green
- N° 6 Dip switches to setup functions:
  AND OR AUTO OR MULTIMPULSE PRESET, that you can set up by pc
  (4 separate preset)
- Temperature -30°+70°
- Available colours: white
- Dimensions: W 85, H 185, D 66 mm

SETTABLE by PC

Pet Immunity

Anti-Masking

38°

180°

Soutdoor

Soutdoor/L

DUAL DIGITAL PIR

Soutdoor/L is a dual digital PIR detector, with an analysis system that takes into account the two most important changes that may occur during a movement: the speed and the intensity. With the simultaneous comparison of these two information, the detector is able to discriminate repetitive movements from intrusion, lowering the percentage of false alarms. With high thermal variations, the totally digital temperature compensation system, guarantees a great performance. Has 12 mt max coverage, with angle of 90°. With usable different type of lens it is possible use the detector in different situation, related to the height positioning, and the type of protection required, as curtain protection etc. Available colours: white - Dimensions: W 85, H 185, D 66 mm

Functional features:

- Double PIR detector with AND function (AND time 4")
- Range from 6 mt to 12 mt
- Alarm Led
- Double pulse function
- Interchangeable fresnel lenses
- Bracket
- Free alarm contact solid state relay (NO, NC)
- Tamper contact solid state relay (NO e NC)

Technical features:

- Power supply: from 10.5V to 15V
- Stand-by consumption: 14 uA
- Alarm consumption: 25 mA
- Protection class IP65

Pet Immunity

Soutdoor/BC

DUAL DIGITAL PIR

LOW CONSUMPTION

Soutdoor/BC is a low consumption outdoor detector. It is usable with all types of radio transmitters, due to the very low consumption, 9uA ensures a long battery life of the radio devices connected. It has a very low threshold operation, 2.55Vdc. It's a full digital detector (with digital PIR), with an analysis system devoid of the classical noise that occur with the use of traditional analog PIR. Through the use of fully digital PIR detector is protected from white light masking and has much higher efficiency in the discrimination in its action range. Even with the significant temperature variations, the digital temperature compensation system guarantees a high efficiency. It has a range of 15 mt, with an opening angle of 90°. Available colours: white - Dimensions: W 85, H 185, D 81 mm

Functional features:

- Double PIR detector with AND function (AND time 4")
- Range from 3 mt to 15 mt
- Alarm Led
- Alarm Buzzer
- Test function
- Stand by mode for battery saving
- Double pulse function
- Interchangeable fresnel lenses
- Bracket
- Free alarm contact solid state relay (NO, NC)
- Tamper contact solid state relay (NO e NC)
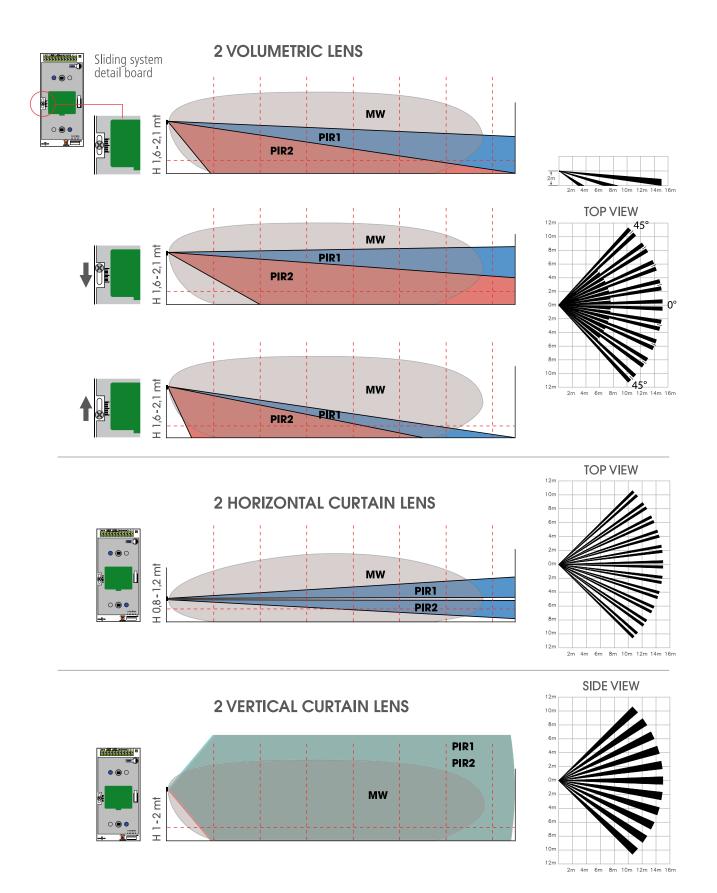
Technical features:

- Power supply: from 3 V to 9 V
- Stand-by consumption: 9 uA
- Alarm consumption: 5 mA
- Protection class IP65

Pet Immunity

Soutdoor gives the possibility of changing and combining different kinds of lens for any specific requirement

Sliding system detail board

2 VOLUMETRIC LENS

H 1,6 - 2,1 mt

MW
PIR1
PIR2

2m
2m 4m 6m 8m 10m 12m 14m 16m

H 1,6 - 2,1 mt

MW
PIR1
PIR2

TOP VIEW

12m
10m
8m
6m
4m
2m
0m
2m
4m
6m
8m
10m
12m

45°
0°
45°

2m 4m 6m 8m 10m 12m 14m 16m

H 1,6 - 2,1 mt

MW
PIR1
PIR2

TOP VIEW

12m
10m
8m
6m
4m
2m
0m
2m
4m
6m
8m
10m
12m

2 HORIZONTAL CURTAIN LENS

H 0,8 - 1,2 mt

MW
PIR1
PIR2

2m 4m 6m 8m 10m 12m 14m 16m

SIDE VIEW

12m
10m
8m
6m
4m
2m
0m
2m
4m
6m
8m
10m
12m

2 VERTICAL CURTAIN LENS

H 1 - 2 mt

PIR1
PIR2
MW

2m 4m 6m 8m 10m 12m 14m 16m

29

DT**16** - IF**16**/L - IF**16**/T

DT**16**

EN 50131-2-4 / GRADE 2
Dual Technology

DT16 is a dual technology detector, infrared and microwave at 24 Ghz suitable for creating a type of protection "curtain" for doors and windows. It has the back tamper, the anti-opening tamper device, a signalling LED with its disabling jumper. It has alarm direction recognition.

Order Codes:
DT16: white colour / **DT16-M:** dark brown colour

IF**16**/L

EN 50131-2-2 / GRADE 2
Passive infrared, with high power LED

IF16/L is an infrared detector, able to create a protective "curtain" barrier for doors and windows. It has an adjustable range between 2 mt and 3,5 mt and has some special features which make it very interesting as:

- led high light output for lighting function and/or alarm
- alarm direction recognition
- buzzer with different sounds depending on the direction of the movement
- delay system activation

ALARM   NO ALARM
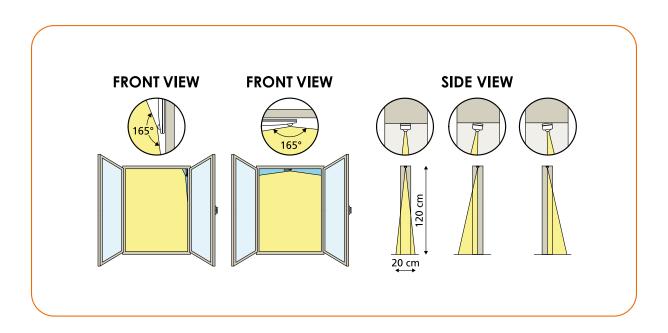
Order Code:
IF16/L: white colour

IF**16**/T

EN 50131-2-2 / GRADE 2
Passive infrared

IF16/T is an infrared detector, able to create a protective "curtain" barrier for doors and windows. It has an adjustable range between 2 mt and 3,5 mt and has delay system activation.

Order Codes:
IF16/T: white colour / **IF16/T-M:** dark brown colour

FRONT VIEW **FRONT VIEW** **SIDE VIEW**

165° 165°

120 cm

20 cm

Technical Features	DT16	IF16/L	IF16/T
EN 50131-2-4 / GRADE 2	YES	-	-
EN 50131-2-2 / GRADE 2	-	YES	YES
RANGE	from 2 to 3,5 mt	from 2 to 3,5 mt	from 2 to 3,5 mt
ANGLE	165°	165°	165°
CURTAIN LENS ORIENTATION	YES	YES	YES
ALARM TIME	4''	4''	4''
PROGRAMMABLE ALARM DELAY	-	YES	YES
HIGH POWER LED FOR LIGHTING AND/OR ALARM	-	YES	-
WALK TEST'S LED	YES	YES	YES
DOUBLE SOUND BUZZER (ENTRANCE/EXIT)	-	YES	-
ANTI-OPENING TAMPER	YES	YES	YES
RFI PROTECTION	30 V/m	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES	YES
POWER SUPPLY	10 - 15 Vdc	10 - 15 Vdc	10 - 15 Vdc
CONSUMPTION IN STAND BY	18 mA	12 mA	12 mA
HOUSING	ABS	ABS	ABS
PROTECTION CLASS	IP 54	IP 54	IP 54
OPERATING TEMPERATURE	from -25°C to +55°C	from -25°C to +55°C	from -25°C to +55°C
DIMENSIONS	37 x 130 x 37 mm	37 x 130 x 37 mm	37 x 130 x 37 mm

OUTDOOR SIRENS
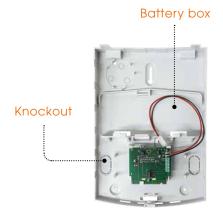
BLADE

ITALIAN DESIGN

EN 50131-4 / GRADE 2

Battery box

Knockout

Blade is a self powered siren, elegant and cool design, suitable for all installations need. This product is entirely made of polycarbonate. All models are equipped with anti-opening and back tamper switches; the sound power is given by piezoelectric buzzer.

Available Case colours: white / red

Available Flash colours: red / white / blue

Dimensions: W 210, H 295, D 70 mm

Technical Features	Blade 01	Blade 01 / S	Blade 24
EN 50131-4 / GRADE 2	YES	-	-
SOUND POWER	100 dB at 1mt 85 dB at 3mt	100 dB at 1mt 85 dB at 3mt	100 dB at 1mt 85 dB at 3mt
WATCHDOG'S LED	YES	YES	YES
SYSTEM STATUS VISUALIZATION	-	YES	YES
ALARM'S MEMORY	-	YES	YES
SEPARATED TRIGGERS	-	YES	YES
WORKING WITHOUT BATTERY	-	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES
BACK TAMPER	YES	YES	YES
PROTECTION CLASS	IP 54	IP 54	IP 54
POWER SUPPLY	13.8 Vdc	13.8 Vdc	24 V

ORDER CODES:

BLADE01: white cover, red light
BLADE01-WW: white cover, white light
BLADE01-WB: white cover, blue light

BLADE01/S: white cover, red light
BLADE01/S-WW: white cover, white light
BLADE01/S-WB: white cover, blue light

BLADE24: red cover, red light
BLADE24-RW: red cover, white light
BLADE24-RB: red cover, blue light

SRSeries

EN 50131-4 / GRADE 2

Battery box
2 Ah

Antifoam

SR Series sirens are available in 2 different versions: SR136 and SR136 FIRE / 24 V. These outdoor sirens are auto-supplied, with 2Ah battery's housing. All models are equipped with anti-opening and back tamper switches.

Available Case Colours: white / silver / red

Available Flash Colours: orange / red / blue

Dimensions: W 220, H 280, D 100 mm

Technical Features	SR136	SR136 FIRE / 24 V
EN 50131 - 4 / GRADE 2	YES	-
IMQ APPROVAL	YES	-
SOUND POWER	100 dB at 1 mt / 85 dB at 3 mt	100 dB at 1 mt / 85 dB at 3 mt
LED LAMP	YES	YES
WATCHDOG'S LED	YES	YES
SYSTEM STATUS VISUALIZATION	YES	YES
SYSTEM STATUS SOUND SIGNALLING	YES	YES
ALARM'S MEMORY	YES	YES
SEPARATED TRIGGERS	YES	YES
SOUND TYPE MODIFICATION	YES	YES
ANTI-OPENING TAMPER	YES	YES
BACK TAMPER	YES	YES
ANTIFOAM PROTECTION	optional	optional
PROTECTION CLASS	IP 54	IP 54
POWER SUPPLY	13.8 Vdc	24 V

ORDER CODES:

SR136: white cover, orange light
SR136-WR: white cover, red light
SR136-WB: white cover, blue light

SR136-SO: silver cover, orange light
SR136-SR: silver cover, red light
SR136-SB: silver cover, blue light

SR136FIRE/24V: red cover, red light
SR136FIRE/24V-RO: red cover, orange light
SR136FIRE/24V-RB: red cover, blue light

Iside

EN 50131-4 / GRADE 2

Iside is an auto supplied siren with an innovative design, suitable for all installations need. The Elliptical Shape allows to fix it in any position, vertical or horizontal, without the need to modify the functionality and the shape. The flat surface permits a simple and visible siren customization. This product is entirely made of polycarbonate. All versions are equipped with anti-opening and back tamper switches; the sound power utilises a piezoelectric technology, ensuring a low consumption level during triggering period.

Available Case colours: white / red

Available Flash colours: orange / blue / red

Dimensions: W 320, H 220, D 55 mm

Technical Features	Iside 130	Iside 140	Iside 140 / 24 V
EN 50131 - 4 / GRADE 2	-	YES	-
SOUND POWER	100dB at 1mt / 85dB at 3mt	100dB at 1mt / 85dB at 3mt	100dB at 1mt / 85dB at 3mt
BATTERY CHECK	-	YES	YES
LAMP CHECK	-	YES	YES
WATCHDOG'S LED	YES	YES	YES
SYSTEM STATUS VISUALIZATION	-	YES	YES
SYSTEM STATUS SOUND SIGNALLING	-	YES	YES
ALARM'S MEMORY	-	YES	YES
SEPARATED TRIGGERS	-	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES
BACK TAMPER	YES	YES	YES
PROTECTION CLASS	IP 54	IP 54	IP 54
POWER SUPPLY	13.8 Vdc	13.8 Vdc	24 V

ORDER CODES:

ISIDE130: white cover, orange light
ISIDE130-WR: white cover, red light
ISIDE130-WB: white cover, blue light

ISIDE140: white cover, orange light
ISIDE140-WR: white cover, red light
ISIDE140-WB: white cover, blue light

ISIDE140/24V: red cover, red light
ISIDE140/24V-RO: red cover, orange light
ISIDE140/24V-RB: red cover, blue light

24V Sirens

Technical Features	Blade 24	SR 136 FIRE / 24 V	Iside 140 / 24 V
SOUND POWER	100dB at 1mt / 85dB at 3mt	100dB at 1mt / 85dB at 3mt	100dB at 1mt / 85dB at 3mt
BATTERY CHECK	-	-	YES
LAMP CHECK	-	-	YES
WATCHDOG'S LED	YES	YES	YES
SYSTEM STATUS VISUALIZATION	YES	YES	YES
SYSTEM STATUS SOUND SIGNALLING	YES	YES	YES
ALARM'S MEMORY	YES	YES	YES
SEPARATED TRIGGERS	YES	YES	YES
ANTI-OPENING TAMPER	YES	YES	YES
BACK TAMPER	YES	YES	YES
PROTECTION CLASS	IP 54	IP 54	IP 54
POWER SUPPLY	24 V	24 V	24 V

ORDER CODES:

BLADE24: red cover, red light
BLADE24-RW: red cover, white light
BLADE24-RB: red cover, blue light

SR136FIRE/24V: red cover, red light
SR136FIRE/24V-RO: red cover, orange light
SR136FIRE/24V-RB: red cover, blue light

ISIDE140/24V: red cover, red light
ISIDE140/24V-RO: red cover, orange light
ISIDE140/24V-RB: red cover, blue light

INDOOR SIREN

PZ2

PZ2 is a indoor, bitonal, piezoelectric siren, suitable for all installations need. This product is entirely made of ABS. It's equipped with anti-opening and back tamper switches.

Available Case colour: white

Dimensions: W 135, H 95, D 45 mm

Technical Features	PZ2
SOUND POWER	108 dB at 1mt
ANTI-OPENING TAMPER	YES
BACK TAMPER	YES
POWER SUPPLY	12 Vdc

Voxout

EN 50136 -1-1 / GRADE 2 / ATS 2

| Technical Features	Voxout Voxout 3E*
EN 50136-1-1 / GRADE 2 / ATS 2	YES
NUMBER OF INPUTS / OUTPUTS	5
TELEPHONE NUMBERS	8
MESSAGE TIME	20"
DTMF DECODING	YES
SMS SENDING	YES
KEYPAD PROGRAMMABLE	YES
VOICE MENU PROGRAMMABLE	YES
SMS PROGRAMMABLE	YES
SIM EXPIRE ADVISE	YES
SIM CREDIT LEFT ADVISE	YES
PSTN LINE SIMULATION	YES
CALLER'S ID RECOGNITION	YES
POWER SUPPLY	13.8 Vdc

*with 3G module
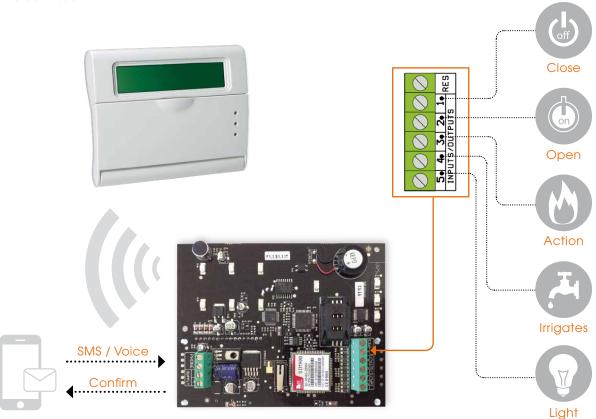
Voxout is a **GSM** dialler remote-controlled bidirectional 5-lines configurable as inputs and outputs. It has listening environment, the outputs can be managed by voice call, text messages and phone calls with CALLER ID recognition. The phone numbers are freely assignable to voice calls, SMS, digital protocols CONTACT ID.

- 5 terminals that can be programmed as inputs and / or outputs
- **Remote listening**
- Reset terminal calls
- 12 user codes
- 8 phone numbers can be associated with events and all the rest
- 200 telephone numbers used only for the activation of the outputs from the remote (ring and/or sms)
- 1 technical code
- 1 call reset code
- Life test sending
- Credit
- ID CONTACT transmission
- Dimensions: W 140, H 120, D 35 mm

Order Codes:
VOX_OUT: Voxout
VOX_OUT-3E: Voxout with 3G module

Close

Open

Action

Irrigates

Light

SMS / Voice

Confirm

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