



# Intruder Alarm Devices

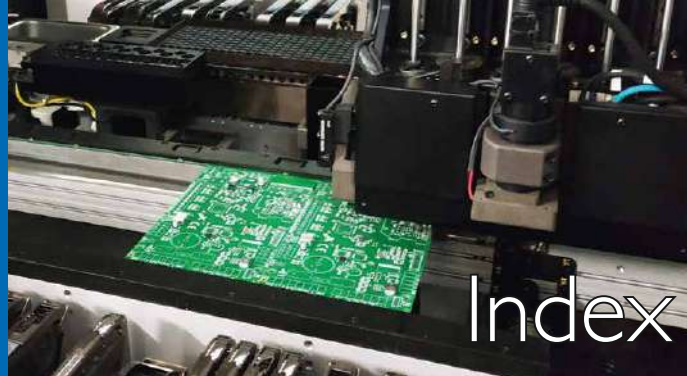
SINCE 1974

[www.tradesecamc.com](http://www.tradesecamc.com)

INNOVATING  
FUTURES OF  
SECURITY

Quality from experience made in Italy.

# Who We Are ?



Tradesec AMC India Private Limited, an Indian company collaboration with the Italian leading smart intrusion alarm system manufacturer company AMC Elettronica was founded in 1974, has completed 47+ successful years of manufacturing excellence, and offers a complete range of smart intrusion alarm solutions globally. Today AMC Elettronica has a well-established distribution in over 58+ countries globally with 60+ high-end EN 50131 Certified wired & wireless products with high-quality designs.

Our aim is to keep your premises safer and more secure. We have over 5 decades of manufacturing experience in EN-graded smart intrusion alarm control panels, detectors, sirens, and dialers. We are undertaking R&D activities focused on innovations to develop new products, improve existing ones, or add features. In coordination with our distribution partners, we provide smart intrusion alarm security solutions for residences, banks, warehouses, retail chains, showrooms, factories, museums, defense, and others.

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## High Quality Assurance

All Smart Intrusion Alarm system products are certified by the Global CE & En50131 approved, with the ISO9001:ISO14001 rules of quality standard.



# AMC Plus



AMC Plus is the new application for managing the control panel via smart phone and tablet, available for Apple and Android.



- Easy to use
- No need setting
- Bandwidth consumption
- Video verification system
- Increased speed and decreased
- Updated and improved graphics
- Importing system maps for each area and group
- Possibility of having different users with different functions



## Features

- Events log
- PUSH notifications
- HTTPS (SSL4) data protection
- Different users with different priority
- ARM and DISARM in all combinations
- Bypass of all zones ready and not ready
- Multiple installed control panel with 1 APP
- Enable and disable all programmed outputs
- Operation via CLOUD no need configurations
- Guaranteed operation with GPRS - 4G
- Different sound notification for different events
- Possibility to connect in live view with sensor camera
- App and maps can work in portrait and in landscape
- Importing and changing ICONS and PHOTO of zones
- Importing graphics maps of building where the system is installed
- Video verification (by possibility to download pre and post alarm videos)



Manageable by App with 4G module



**AMC**Plus



Download on the  
**App Store**

ANDROID APP ON  
**Google play**



# HYBRID CONTROL PANELS

## K Series

EN 50131 / GRADE 2 / CLASS 2

The **K Series** 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 (K4V - K8V).

K Series 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/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 programming can be made with keypad and/or PC software. The programming with software can be made remotely with IP module and/or GPRS/4G module.

\*\* The K Series have not voice synthesis, the calls are made with beeps

- \* PSTN on board
- \* GPRS/4G module
- \* IP / IP Wi-Fi module
- \* BUS line (4 wires) RS485
- \* CMS multiformat

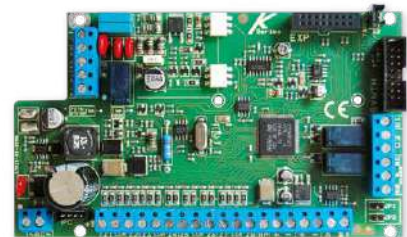


- \* Settable by PC
- \* Manageable by App with IP module and/or GPRS/4G module

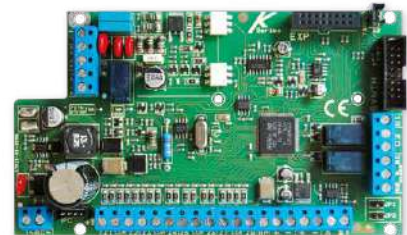
K4V



K8V



K8plusV



Manageable by App with 4G module



AMCPlus





# Unika

touchscreen  
keypad



Tag reader

Task Bar for all  
the system information

Temperature

Vocal memo

- \* The K Series control panels are compatible with the all range of wired and wireless AMC accessories

**K-Lcd Blue**  
Lcd keypad



**K-Lcd Blue Tag**  
Lcd keypad with  
RFID/NFC tag reader



**K-Lcd Light**  
**K-Lcd Light Plus**  
Compact Lcd  
keypad



## K 4 V

## K 8 V

## 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 / private calls + 8 for CMS	8 for SMS / private calls + 8 for CMS	8 for SMS / private calls + 8 for CMS
CARRIERS	PSTN on board, GPRS/4G module, LAN module, Wi-Fi module	PSTN on board, GPRS/4G module, LAN module, Wi-Fi module	PSTN on board, GPRS/4G module, LAN module, Wi-Fi 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

\* Keypads with zones are: Unika, K-Lcd Blue, K-Lcd Blue Tag, K-Lcd Light Plus

# HYBRID CONTROL PANELS

## XSeries

EN 50131 / GRADE 2 / CLASS 2

The **X Series** 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 (X412V - X824V).

X Series 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/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 programming can be made with keypad and/or PC software.  
The programming with software can be made remotely with IP module and/or GPRS/4G module.



- \* PSTN on board
- \* GPRS/4G module
- \* IP / IP Wi-Fi module
- \* BUS line (4 wires) RS485
- \* CMS multiformat

Clamps removable  
(X824V - X864V)

- \* Audio support on board
- \* Settable by PC
- \* Manageable by App with IP module and/or GPRS/4G module

**X412V**



**X824V**



**X864V**



# Unika

touchscreen  
keypad



Tag reader

Task Bar for all  
the system information

Temperature

Vocal memo

- \* The X Series control panels are compatible with the all range of wired and wireless AMC accessories

**K-Lcd Blue**  
Lcd keypad



**K-Lcd Blue Tag**  
Lcd keypad with  
RFID/NFC tag reader



**K-Lcd Light**  
**K-Lcd Light Plus**  
Compact Lcd  
keypad



## X 412 V

## X 824 V

## 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 / private calls + 8 for CMS	8 for SMS / private calls + 8 for CMS	8 for SMS / private calls + 8 for CMS
CARRIERS	PSTN on board, GPRS/4G module, LAN module, Wi-Fi module	PSTN on board, GPRS/4G module, LAN module, Wi-Fi module	PSTN on board, GPRS/4G module, LAN module, Wi-Fi 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

\* Keypads with zones are: Unika, K-Lcd Blue, K-Lcd Blue Tag, K-Lcd Light Plus

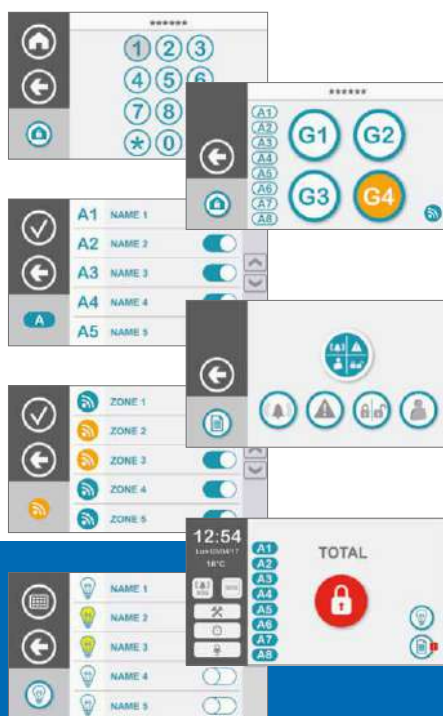
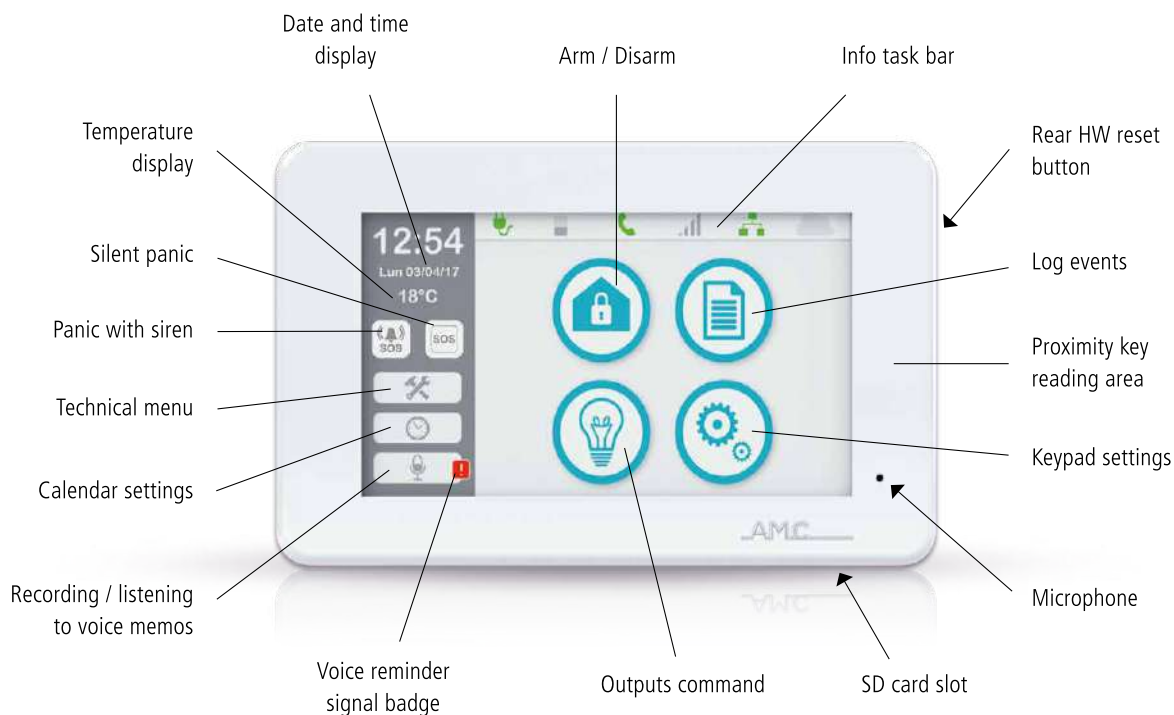
# WIRED SYSTEM ACCESSORIES

## FOR K & X CONTROL PANELS



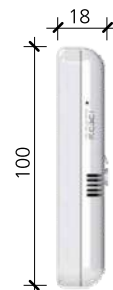
# Unika

## Touchscreen keypad



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.

- 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



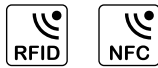
- ✿ Display 5 inches TFT high resolution (480 × 272)
- ✿ User friendly icons interface
- ✿ RFID/NFC integrated tag reader





# LCD Keypads

## FOR K & X CONTROL PANELS



### 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

Compact 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

# WIRED SYSTEM ACCESSORIES

## FOR K & X CONTROL PANELS



### KX-IN

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



### KX-OUT

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 connecting panel to Cloud

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



### IP-1

IP module for connecting panel to Cloud.



### IP-1 W

IP module with **Wi-Fi on board**, for connecting panel to Cloud without cables by connecting with home Wi-Fi network.



## Communication modules for mobile network

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 4W

**4G module**  
(worldwide)





## 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 86, H 100, D 33 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



## 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



## COM/USB

Adapter for programming control panels

## Wireless expanders

### EXPR800 (866 MHz) Radio expansion

It is 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



# WIRELESS CONTROL PANEL (866 MHz)


Quick and easy set entirely  
via App by QR code



## LARIO

Smart Control Panel



- \* Wi-Fi on board 
- \* 4G connection (optional)
- \* Two-way wireless system
- \* Fast setting installer App
- \* Free user App
- \* Backup battery included
- \* Free update system by Cloud
- \* Long range radio transmission
- \* CMS multifunction

The **quick and easy smart control panel** that is programmed by APP that guides the installer at every step, making the procedure easy and intuitive. In short is ready to use.

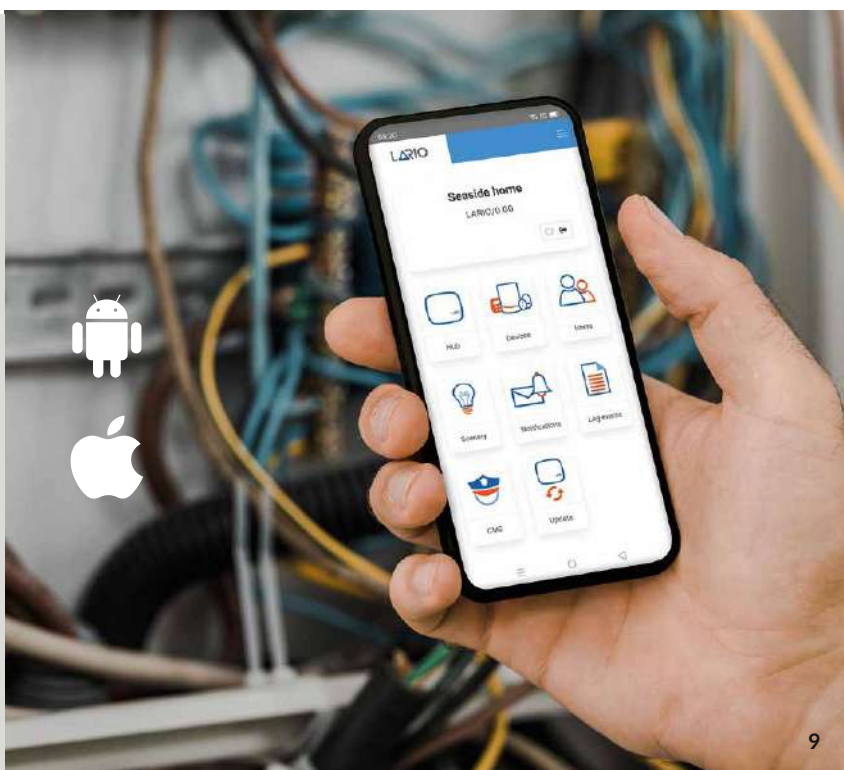
Download installer App



Manageable by App with 4G module

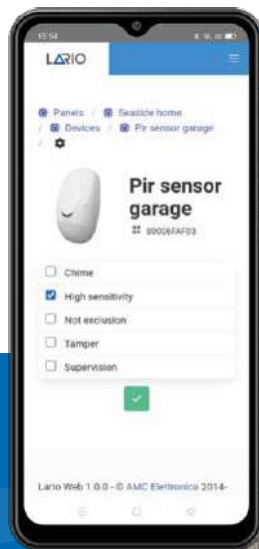
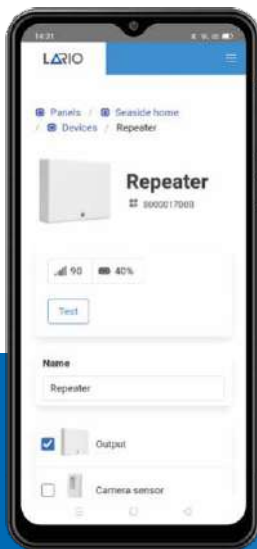
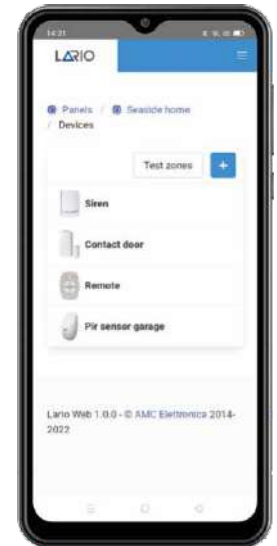
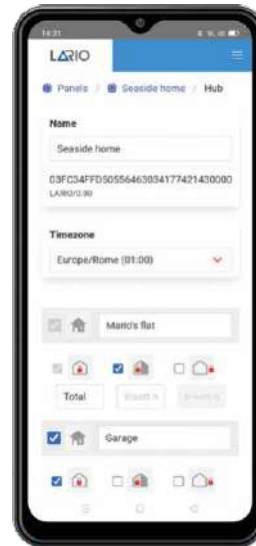
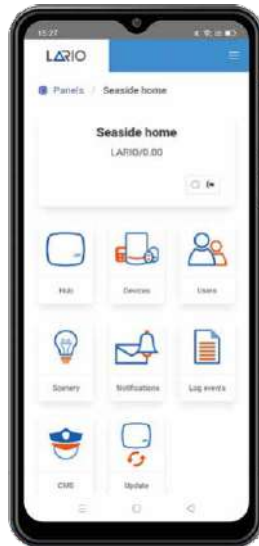


**AMCPlus**





Quick and easy set via  
APP by QR code



## Lario

<b>WIRELESS ZONES</b>	64
<b>USER CODES</b>	64
<b>AREAS</b>	3
<b>PROGRAMMABLE SCENERY</b>	total - stay - external
<b>LOG EVENTS</b>	1000
<b>PHONE NUMBERS</b>	8 for SMS
<b>CARRIERS</b>	Wi-Fi on board 4G module
<b>REMOTE MANAGEMENT</b>	by App (iOS - Android)
<b>REMOTE PROGRAMMING</b>	by App (iOS - Android)
<b>MULTI-USER MANAGEMENT VIA APP</b>	YES
<b>VIDEO VERIFICATION</b>	YES



## ACCESSORIES FOR LARIO CONTROL PANEL

### L-AL

Power supply 12 Vdc 1A



### L 4W

Communication 4G module for mobile network



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

## KIT-915

composed by:

**LARIO** hub

**IF 800** detector

**CM 800** contact

**TR 800-WG** remote control

**L-AL** power supply



# WIRELESS SYSTEM ACCESSORIES (866 MHz)

## FOR LARIO CONTROL PANEL



# LARIO

The Lario control panel is compatible with all the  
wireless system accessories  
**800 Series**

### Contacts



**CM 800 MINI**  
extra small magnetic  
contact (2 inputs)

### Detectors



**IF 800/P**  
wireless volumetric  
detector



**GS 800**  
wireless glass  
break detector



**IF 800/T**  
wireless curtain  
effect detector



**SS 800**  
wireless seismic  
detector



**IFV 800**  
wireless detector  
with Wi-Fi camera



**SF 800**  
wireless smoke  
detector



**SOUTDOOR 800**  
outdoor  
wireless detector

### Sirens

**SRL 800**  
outdoor  
wireless siren



**PZ 800**  
indoor  
wireless siren

### Accessories



**RP 800**  
wireless repeater



**K-LARIO**  
wireless keypad



**OUT 800**  
2 relays wireless  
outputs expansion



**TR 800**  
remote control

# WIRELESS SYSTEM ACCESSORIES (866 MHz)



## 800 Series

EN 50131 / GRADE 2 / CLASS 2

Compatible with all the AMC control panels

**LARIO** | **KSeries** | **XSeries**

800 Series 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.

### Accessories



#### K-LARIO

##### Wireless keypad

(Compatible only with LARIO control panel)

It has 4 signaling LEDs for arm/disarm status and anomalies. It is powered by 2 AAA batteries, or with external 12V power supply. It is equipped with keys for quick arm of the 3 programmed profiles and button for the enable/disable scenarios. Dimensions: W 135, H 116, D 24 mm



#### OUT800

##### Wireless output board

(Compatible only with LARIO control panel)

It is a expansion board with 2 free contact relay (COM - NC - NO) (5 Amps) for scenery building automation. It is powered by external power of 12 Vdc. It is also supervised (automatic life test). It has autoprotection tamper box. Dimensions: W 106, H 80, D 25 mm



#### RP800

##### Wireless repeater

It is able to repeat all the signals coming from all wireless systems 800 Series: 32 wireless devices, 20 keyfobs, 4 wireless keypads, 4 wireless sirens. It is powered by external power of 12Vdc and it has rechargeable batteries with duration of 24/48h without main power. It is programmable via software with wireless devices codes or in self learning mode. Dimensions: W 106, H 80, D 25 mm



#### TR800

##### Pocket remote control

Programmable 4 channels radio remote controller. The standard lithium-ions battery allows a very long duration. Dimensions: W 42, H 58, D 13 mm



# Two-way Wireless System 866 MHz



## Detectors

### IFV800

#### Wireless PIR detector with integrated Wi-Fi camera

It is a 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+.

The transmission by Wi-Fi technology allow fast data exchange with the Cloud, consequently IFV800 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.

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
- Power supply: 6 - 15 Vdc
- Backup battery: Lithium 2032 - 3 V
- Consumption: min 90 mA - max 115 mA
- Digital PIR
- Range PIR: 12 mt
- PIR lens: Fresnel 22 patterns on 3 levels
- Wi-Fi standard 802.11 b/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



Manageable by App with 4G module



**AMCPlus**

Dimensions: W 65, H 130, D 40 mm



### IF800/P

#### Wireless volumetric detector, pet immune

It is a 15 mt range wireless infrared detector with more than 90° angular range thanks to its 31 beam lens. It is provided with an anti-opening tamper protection. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. pet immunity up to 15 kg.

Dimensions: W 60, H 110, D 46 mm



### IF800/T

#### Wireless curtain effect detector

It is 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. It is provided with an anti-opening tamper protection. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Protection class IP54. Dimensions: W 130, H 37, D 37 mm

## 800 Series

EN 50131 / GRADE 2 / CLASS 2

Compatible with all the AMC control panels

**LARIO** | **KSeries** | **XSeries**

800 Series 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.

### Detectors



#### GS800

##### Wireless glass break detector

It is a detector for the notification of glass breakage. It has an adjustable range up to 7 mt. It is provided with anti-opening tamper protection. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Dimensions: W 37, H 130, D 27 mm



#### SS800

##### Wireless seismic detector

It is 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 is provided with anti-opening protection. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Dimensions: W 37, H 78, D 21 mm



#### SF800

##### Wireless smoke detector

It is a stand-alone wireless smoke detector designed for protection of small areas. It is 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 is equipped with a 9-volt battery and emits a modulated sound, compatible with the evacuation signal when it detects smoke. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration. Dimensions: Ø 120, H 55 mm.



#### SOUTDOOR800

##### Outdoor wireless detector

It is an outdoor double PIR detector, pet immune. It is 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, the 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. Dimensions: W 85, H 185, D 66 mm



## Two-way Wireless System 866 MHz



### Contacts



#### **CM800** Small magnetic contact

It is 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 is provided with anti-opening protection. It is also supervised (automatic life test). The standard lithium-ions battery allows a very long duration.  
Dimensions: W 37, H 78, D 21 mm



#### **PZ800** Indoor wireless siren

It is an indoor wireless, bitonal, piezoelectric siren with red led flash.  
The housing is made in ABS. The standard lithium-ions battery allows a very long duration.  
Dimensions: W 73, H 123, D 47 mm

### Sirens



#### **SRL800** Outdoor wireless siren

It is a two-way supervised wireless siren. It has two different way of programming; autolearning and/or by code. It is powered with 3.6V 18Ah Lithium batteries included. Possibility to power with external power supply with 4V to 15V 200mA max. It is provided with anti-opening and back tampers protection; high efficiency LED light. Memory alarm signals, arm/disarm signals.  
Protection class IP54. Dimensions: W 210, H 295, D 70 mm

# HIGH QUALITY DETECTORS



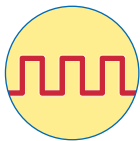
**ProLine** detectors use only digital PIRs, thus avoiding the conversion that generally must be done in traditional detectors, where the analog PIR is amplified and converted to digital.

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.

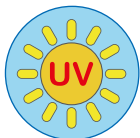
All ProLine detectors are pet immune with range of 15 mt, with 100 degrees angle.

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



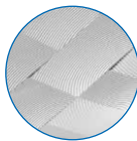
## Full digital PIR

The detector has no analog components, the full digital PIR is connected directly to the microprocessor.



## 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.



## 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.

**10 YEARS**  
warranty



## Anti-masking

Anti-masking protection activated from 1 to 30 cm from the detector.



## ITALIAN DESIGN

The ProLine detectors represent the best choice for residential and industrial installations in the security sector.





## Pet immunity

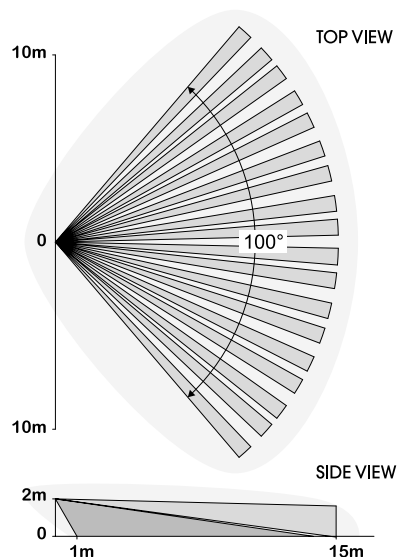
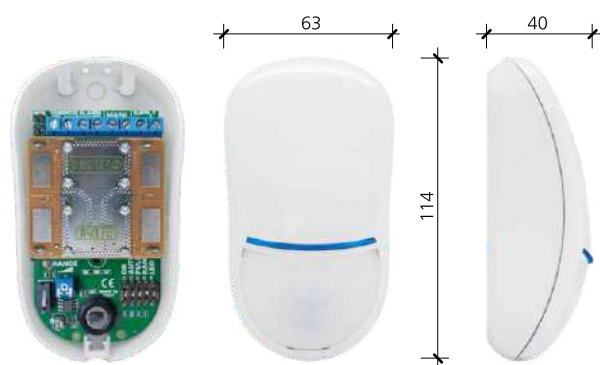
ProLine detectors are pet immune up to 15 Kg, thanks to the new lens design combined with the digital analysis system.

### BRACKET SN1

wall bracket



	IR 1 Digital PIR	DT 1 Dual Technology	DT 1 AM Dual Technology
RANGE	15 mt	15 mt	15 mt
ANGLE	100°	100°	100°
LENS	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	15 kg	15 kg	15 kg
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



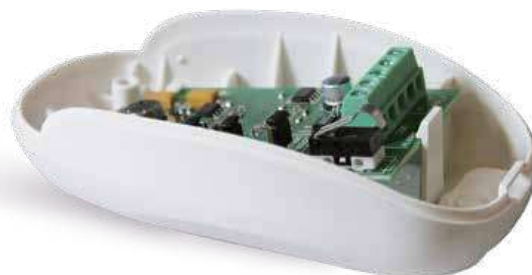
# DETECTORS

- \* Digital signal analysis system with thermal compensation

**BRACKET SN1**  
wall bracket



**BRACKET SN4**  
ceiling bracket



## Smile 19/P

EN 50131-2-2 / GRADE 2

### Digital PIR detector

PET IMMUNE up to 15 kg

#### Smile 19/P

EN 50131-2-2 / GRADE 2	YES
RANGE	15 mt
ANGLE	90°
ALARM TIME	2"
WALK TEST'S LED	YES
SOLID STATE RELAY	YES
CREEP ZONE	YES
ANTI-OPENING TAMPER	YES
PULSE COUNTER	YES
RFI PROTECTION	30 V/m
TEMPERATURE COMPENSATION	YES
DIGITAL ANALYSIS	YES
BRACKET AVAILABLE	YES
POWER SUPPLY	13.8 Vdc
CONSUMPTION	12 mA
HOUSING	ABS
PET IMMUNITY	15kg
OPERATING TEMPERATURE	from -10°C to +40°C
DIMENSIONS	110 x 60 x 46 mm



**10 YEARS**  
warranty



## Dual technology detector

### Mouse02/P

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

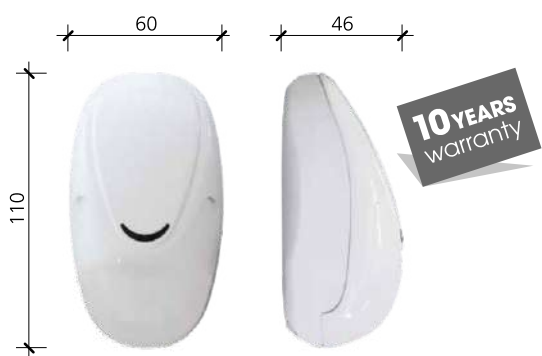
Dual Technology detector  
with **Anti-masking**



### Mouse09/P

EN 50131-2-4 / **GRADE 2**

Dual Technology detector  
**PET IMMUNE** up to 15 kg (Mouse 09/P)



**BRACKET SN1**  
wall bracket



**BRACKET SN4**  
ceiling bracket



#### Mouse 02/P      Mouse 09/P

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

\* Digital signal analysis  
system with thermal  
compensation



# GS1

CONFORM TO EN 50131

## Microphone glass break detector



10 YEARS  
warranty

It is able to discriminate between the various breaking frequencies of the glass itself. It can be installed in any position within the room to be protected, without compromising its optimal operation.

### GS 1

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	78 x 37 x 21 mm

# SS14

## Digital seismic detector



10 YEARS  
warranty

Vibration/inertial detector for windows, shop windows, fixtures, etc. It is equipped with a high-precision accelerometer to determine shocks and/or vibrations caused by an attempt to break through or force a fitting. It is not necessary to use pulse count analysis boards. It is equipped with 2 channels, REED and INERTIAL/VIBRATION contact.

### SS 14

POWER SUPPLY	13.8 Vdc
CONSUMPTION (ALARM/STAND-BY)	21 mA / 9 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	78 x 37 x 21 mm





# CURTAIN DETECTORS

## DT16

EN 50131-2-4 / GRADE 2

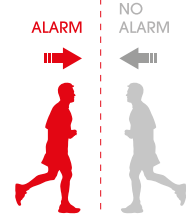
Dual technology detector, infrared and microwave at 10 GHz



## IF16/L

EN 50131-2-2 / GRADE 2

Passive infrared detector with high power LED



Buzzer with different sounds depending on the direction of the movement



	DT 16	IF 16/L
EN 50131-2-4 / GRADE 2	YES	-
EN 50131-2-2 / GRADE 2	-	YES
RANGE	from 2 to 3,5 mt	from 2 to 3,5 mt
ANGLE	165°	165°
CURTAIN LENS ORIENTATION	YES	YES
ALARM TIME	4"	4"
PROGRAMMABLE ALARM DELAY	-	YES
HIGH POWER LED FOR LIGHTING AND/OR ALARM	-	YES
WALK TEST'S LED	YES	YES
ALARM DIRECTION RECOGNITION	YES	YES
DOUBLE SOUND BUZZER (ENTRANCE/EXIT)	-	YES
ANTI-OPENING TAMPER	YES	YES
RFI PROTECTION	30 V/m	30 V/m
TEMPERATURE COMPENSATION	YES	YES
POWER SUPPLY	10 - 15 Vdc	10 - 15 Vdc
CONSUMPTION IN STAND-BY	18 mA	12 mA
HOUSING	ABS	ABS
PROTECTION CLASS	IP 54	IP 54
OPERATING TEMPERATURE	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

Detectors able to create a protective "curtain" barrier useful for doors and windows.

✳ Angle 165°

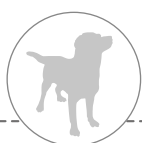
✳ Adjustable range from 2 to 3,5 mt



# Soutdoor/L

Dual digital PIR detector

- \* Digital signal analysis system with thermal compensation



## Soutdoor/L

Dual digital PIR

<b>RANGE</b>	6 - 12 mt
<b>ANGLE</b>	90°
<b>PYROELECTRIC</b>	full digital
<b>LENS 1</b>	Fresnel (22 patterns on 3 levels)
<b>LENS 2</b>	Fresnel horizontal curtain (11 patterns on 1 level)
<b>OPTIONAL LENS</b>	Fresnel vertical curtain (11 patterns on 11 levels)
<b>ALARM TIME</b>	2"
<b>ALARM TYPE</b>	double PIR with AND function (AND time 4")
<b>OUTPUTS</b>	0.2 A - 24 Vdc
<b>TAMPER SWITCH</b>	max 40 mA - 30 Vdc
<b>WALK TEST'S LED (MW &amp; PIR)</b>	YES
<b>ANTI-OPENING TAMPER</b>	YES
<b>BACK TAMPER</b>	YES
<b>DOUBLE PULSE FUNCTION</b>	YES
<b>RFI PROTECTION</b>	30 V/m
<b>TEMPERATURE COMPENSATION</b>	YES
<b>BRACKET AVAILABLE</b>	YES
<b>POWER SUPPLY</b>	10.5 - 15 V
<b>CONSUMPTION (ALARM/STAND-BY)</b>	35 mA / 20 mA @ 13.8 V
<b>VOLTAGE</b>	13.8 V
<b>HOUSING</b>	ABS
<b>PET IMMUNITY</b>	40kg
<b>PROTECTION CLASS</b>	IP 65
<b>OPERATING TEMPERATURE</b>	from -30°C to +70°C
<b>DIMENSIONS</b>	185 x 85 x 66 mm

### BRACKET SN3

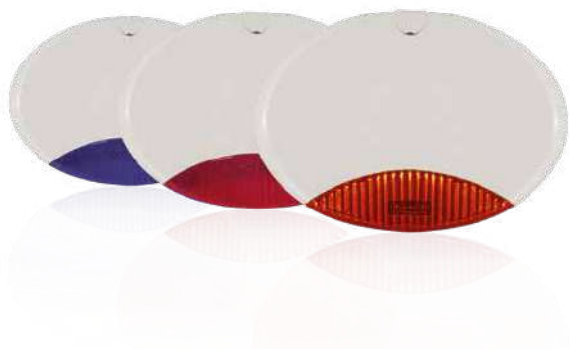
Wall bracket with internal cables

38°



180°

# OUTDOOR SIRENS



## Iside

EN 50131-4 / GRADE 2

- \* Piezoelectric technology
- \* Polycarbonate case
- \* Self powered siren
- \* The flat surface permits a simple and visible siren customization

### Iside

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

## INDOOR SIREN

### PZ2

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

**Sound power:** 108 dB at 1mt

**Power supply:** 12 Vdc

**Available Case colour:** white

**Dimensions:** W 135, H 95, D 45 mm



# SPEECH DIALLER

## Voxout

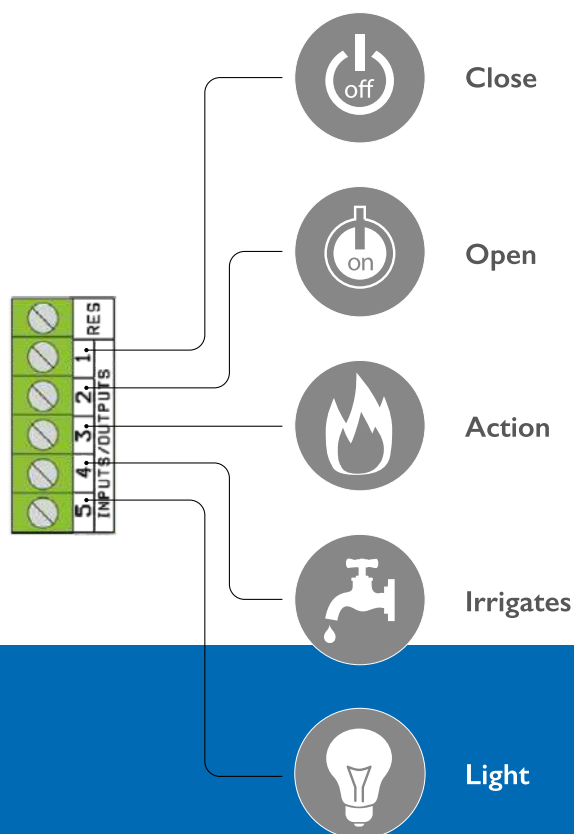
EN 50136 -1-1 / GRADE 2 / ATS 2

**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 and SMS.

- 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
- Dimensions: W 140, H 120, D 35 mm



Voxout	
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





# Sector Wise Solution



Our aim is to keep your premises safer and more secure. We have over 5 decades of manufacturing experience in EN-approved smart intrusion alarm control panels, detectors, sirens, and dialers. In coordination with our distribution partners, we provide smart intrusion alarm security solutions for residences, banks, warehouses, retail chains, showrooms, factories, museums, defense, etc. It consists of detectors that are placed at your premises and raises an alarm if intruders try to enter your premises, which intruders away if motion is detected within their range and call concerned authorities & law enforcement agencies.

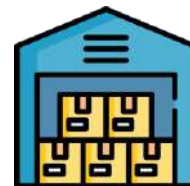
We have an EN-Approved product range with high-quality designs of wired/wireless smart control panels with ABS cases, Dual-technology microwave & Anti-masking sensors, Glass Break sensors, door magnetic contacts, Piezoelectric UV-protected self-powered sirens, and dialers. Entire wireless products have ranges of up to 1 km.



**RESIDENCE**



**JEWELRY**



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