

**PRODUCTS**  
CATALOGUE

Burglar Alarm  
Video Verification  
Smart Home

**Safe &  
Protected.  
Always.**

MADE IN ITALY



[avselectronics.com](http://avselectronics.com)

 **AUS electronics**  
ITALIAN SECURITY MANUFACTURER



<b>AVS and RIELLO Elettronica Group</b>	<b>4</b>	
<b>The AVS system</b>	<b>6</b>	
<b>ULTRA Multifunctional integrated system</b>	<b>8</b>	
	Control panels & accessories	10
	BIOS programming software	13
	Touchscreen keypads	14
	Touchsense keypads	16
	CAPTURE control panels	18
<b>Accessories for ULTRA</b>	Keypads, proximity keys and readers	<b>22</b>
	GSM communication modules	24
	Power supply units	25
	Wired and wireless zone expansion modules	25
	Video verification	27
	Supervised power supply units	28
	Power supply units - spare parts	29
	Boxes for extension modules	30
	Serial amplifier, power supplier partitor, relay modules	30
<b>Programming software</b>	Software Presidium Plus	<b>31</b>
	Software for programming	32
<b>Compatibility chart for control panels &amp; accessories</b>	Compatibility chart for control panels & accessories	<b>33</b>
<b>MyAVS ALARM APP</b>		<b>34</b>
	Home automation modules	35
	Accessories for wireless home automation modules	37
<b>RAPTOR control panels</b>	Wireless Control panels	<b>40</b>
<b>Wireless devices for RAPTOR</b>	Wireless remote controls and keypads	<b>46</b>
	IP BOARD and communication modules	47
	Wireless video verification	49
	Wireless repeaters	50
	Wireless detectors, transmitters, contacts	50
	Indoor detector accessories	52
	Wireless outdoor detectors	54
	Wireless external sirens	56
	Mobile application & programming software	57
	Outdoor detector accessories	58
	Spareparts batteries for wireless products	59
		<b>60</b>
<b>Telephone interfaces - STARLINK 4G</b>	JET - PIR & OT - dual technology	<b>63</b>
<b>Indoor detectors, transmitters, contacts</b>	JET - PIR & OT - dual technology RS 485	63
	JET PA 360 - PIR ceiling detector	64
	JET DT 360 - PIR + MV ceiling dual tech detector	64
	SPY M2 - double microwave detector	64
	Indoor detector accessories	64
		<b>64</b>
<b>Outdoor perimeter protection</b>	WING2	<b>64</b>
	ONE DT - IR dual technology	66
	ONE PA - IR dual technology RS 485	66
	SPECTRUM DT - outdoor triple technology	66
	SPECTRUM WALL - double side double PIR	67
	Accessories for ONE and SPECTRUM detectors	67
	OUTSPIDER DT - dual technology	67
	BM - digital microwave barriers	68
	BM - analog microwave barriers	70
	Brackets and poles for outdoor barriers	71
		<b>73</b>
<b>Sirens</b>	Indoor sirens TS 22	<b>73</b>
	Outdoor self-powered sirens	73
	Box alarm systems	76
	Accessories and spare parts for sirens	77
		<b>78</b>
<b>Optical smoke barriers</b>	Optical smoke barriers & accessories	<b>78</b>
		<b>80</b>
<b>Fog generator</b>	Foggy & accessories	<b>80</b>
<b>Alphabetical product index</b>		<b>84</b>

# Since 1974 we have been manufacturing burglar alarm systems for security.

MADE IN ITALY



With more than fifty years of experience, we offer a complete range of products, wired and wireless, technologically advanced, reliable and state-of-the-art solutions. Yesterday as today, our systems are designed and developed in Italy and installed in residential, commercial and industrial sites to ensure a complete protection against any kind of external threat.



**RIELLO GROUP.** Since 2003 AVS ELECTRONICS is part of RIELLO ELETTRONICA Group. Continuing growth and successful figures: this is Riello Elettronica, expression of its entrepreneurial tradition aimed at innovation, global challenges and the development of 'Made in Italy' technology in International markets. A group of global dimensions, based in Legnago (VR), with a strong and continuous growth.



### AN INTERNATIONAL GROUP

Technology and innovation have always been the values of AVS Electronics and Riello Elettronica, who have successfully established themselves in the Italian and International markets, remaining faithful to their roots, expression of an entrepreneurial tradition anchored in the territory.



### QUALITY & SAFETY

We are ISO 9001: 2015 certified for the Company Management System and ISO 45001:2018 for the Worker Safety Management System. We guarantee the quality of the production process, thanks to the application of precise operating procedures and the implementation of strict quality controls at all levels.



### PRODUCTION “MADE IN ITALY”

In our quality lab, each electronic board is tested to make the product reliable and guaranteed over time, to comply with all the most important CERTIFICATIONS.



### RESEARCH & DEVELOPMENT

New ideas are born everyday in our R&D department. Thanks to an internal team of Engineers, we are able to offer technological, safe and intuitive solutions for the installers.



### TECHNICAL ASSISTANCE

We are always by your side: from the design to the product selection, installation and after-sales. A qualified Help Desk, constantly updated, offers telephone technical assistance every day, to satisfy any customer request.



### TECHNOLOGICAL INNOVATION

Technological innovation is the basis of our corporate mission: the study of intrusion detection systems with original design, cutting-edge solutions and technological reliability, appreciated on the European security market thanks to the ability to innovate and anticipate market needs of installers and end users.



### TRAINING

We have always promoted training as a key element for the professional growth of our installers to satisfy the needs of the end user: we organize technical meetings and training courses on AVS products and systems at the AVS Headquarters and at our customers premises.

## **AVS SYSTEM:**

**it's the integrated solution for burglar alarm, video verification and home automation thanks to its Cloud and the powerful MyAVSAlarm APP.**



## BURGLAR ALARM



**BURGLAR ALARM** solutions by AVS feature wired and wireless control panels, indoor detectors and perimeter detectors for outdoors. This range offers security and protection for your home against any intrusion and theft attempts.



## VIDEO VERIFICATION



The **VIDEO VERIFICATION** integrated in the AVS control panels ensures the reliability of the security systems thanks to an immediate video check of alarm events.



## SMART HOME



The AVS **WIRELESS HOME AUTOMATION SYSTEM** is smart, professional and reliable. You can manage and check remotely your house or activity, in real-time.



## MY AVS CLOUD



Security and freedom thanks to the remote management by **APP**. Manage your alarm system always and anywhere, in an easy and intuitive way.





MADE IN ITALY



# ULTRA



## The system for any environment, up to 1.000 zones.

ULTRA is a range of control panels that **integrate multiple solutions in a single system.**

ULTRA is **Intrusion Protection**, ULTRA is **Smart Home**, ULTRA is **Video Verification**, ULTRA is **Building Automation**, ULTRA is **Access Control**, ULTRA is in the **Cloud!**

Ultra is a **modular, hybrid (wired and wireless), IP, BUS and 4G system.** A complete range of devices allows the system to be adapted to multiple installation requirements.



Critical infrastructures



Military & penitentiary applications



Hospitality



Residential



Commercial



Industrial



# ULTRA



## RANGE

The ULTRA range consists of **4 control panels with different features** that are perfectly suited to all application contexts: residential, commercial, industrial, hospitality, military & penitentiary and critical infrastructures.

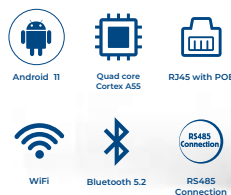
## INTEGRATION

The **Ultra system** integrates with **IoT technology digital solutions**. Thanks to the **powerful MyAVS Cloud**, both the User and the System Integrator can manage the system easily and flexibly through **dedicated APPs and Software**.

## CONTROL

Ultra is designed to make even the most difficult applications easy. **Configuration of the Ultra system** is in fact **facilitated through the 'Adaptive Programming' function** available on the **powerful and advanced 'BIOS' Cloud Software**, which allows the system to be programmed intuitively, reducing start-up times.

ULTRA is designed to simplify the **user experience** with the **T8 and T10 (8" and 10") touch screen keyboards** that combine aesthetics and functionality in a single instrument. Added to this range is the elegant **A1000 Touch Sense keyboard**, with graphical display.



Touchscreen T8 & T10

Code Item - Features

**1191361 ULTRA 32 S****Control panel S - 32 zones**

Configurable zones: basic n°8 in the control panel up to 32 with expansions - Balanced inputs (1R - 2R - 3R), switch alarm, inertial, NC, NO and customizable EOL balancing - Virtual IP zones (up to 10) with IP cameras /ONVIF S® - Virtual IP zones (up to 10) and video verification with compatible NVRs - zone mapping - Zone expansions in the control panel: n°1 optional board mod. XEXP8 (8 zones) - Zone expansions on Bus RS485: up to N ° 8 - areas/sectors: 8 with 4 arming modes each + macro functions - serial sirens RS 485 connectable: up to 8 hp sirens - serial detectors RS 485 connectable: 32 in the control panel up to 32 with expansions - OC outputs: 7 OC + 8 terminals (IN/OUT) in the control panel up to 72 with expansions - Relay outputs: 1 in the control panel up to 9 with expansions - Connectable keypads: up to n° 8 A300/A600/ICE series, A500, A600 EVO, A1000 series - Connectable Touch Screens: up to 4 T8 and T10 range - Proximity readers: up to 48 readers - Codes and keys: 128 user codes, 128 emergency codes, 128 remote controls, 128 proximity keys/TAGs - System programming: from keypad or with BIOS software - USB port for system configuration and firmware update - RS485 serial BUS: 1 basic +2 RS485 bus (optional) supervised with software diagnostics BIOS and keypad - Native Ethernet LAN port for cloud management/ MYAVSALARM App and integration protocols - PSTN telephone communicator: optional, send calls with digital protocols and voice messages up to 16 telephone numbers - Optional GSM dialer: XGSM 4G, XGSM485 4G/ PRO, sending and receiving SMS, digital protocols and voice messages up to 16 telephone numbers, also available in the GSM U 4G Volte version with Voice over LTE where the service is available - Speech synthesis with audio output: optional (mod. DIGIVOC U) with 320 pre-recorded words and free memory to customize the programmed strings using the programmed strings (automatic TXT to Speech function with BIOS software) and guided HELP, allows listening to voice messages and guided HELP on ICE, A500 keypad PLUS and A600 EVO PLUS - Memory: 5000 events - Integrated time programmer with 32 daily operations with holiday management - Optional ETHERNET and WiFi network modules with WEB SERVER management and MYAVSALARM App: EWEB PLUS VIDEO (for video verification with ONVIF S® cameras) - Wireless Smart Home Home Automation Integration: up to 72 modules, up to 8 load management modules, load management with disconnect priority, up to 128 independent chronothermostats - Industrial protocol integration: MODBUS, HTTP IN/OUT strings, Node-RED \*, MQTT\* - Access Control Integration: ZK-TEKO terminals, Suprema readers with BIOSTAR server\* - Video-Intercom integration with SIP protocol - POWER SUPPLY: 25W - 1,7A – Battery: 12 Vdc 7 Ah - ABS housing- Dimensions (LxHxP): 275 x 275 x 99 mm

\*Some functions will not be available from the first version but will be added later

**IMQ-INCERT EN 50131 Grade 3 CERTIFICATION**

**1191362 ULTRA 64 M****Control panel M - 64 zones**

Configurable zones: basic n°8 in the control panel up to 64 with expansions - Balanced inputs (1R - 2R - 3R), switch alarm, inertial, NC, NO and customizable EOL balancing - Virtual IP zones (up to 20) with IP cameras /ONVIF S® - Virtual IP zones (up to 20) and video verification with compatible NVRs - zone mapping - Zone expansions in the control panel: n°1 optional board mod. XEXP8 (8 zones) - Zone expansions on Bus RS485: up to N ° 16 - areas/sectors: 16 with 4 arming modes each + macro functions - serial sirens RS 485 connectable: up to 8 hp sirens - serial detectors RS 485 connectable: 32 in the control panel up to 64 with expansions - OC outputs: 7 OC + 8 terminals (IN/OUT) in the control panel up to 128 with expansions - Relay outputs: 1 in the control panel up to 17 with expansions - Connectable keypads: up to n° 16 A300/A600/ICE series, A500, A600 EVO, A1000 series - Connectable Touch Screens: up to 8 T8 and T10 range - Proximity readers: up to 48 readers - Codes and keys: 512 user codes, 512 emergency codes, 512 remote controls, 512 proximity keys/TAGs - System programming: from keypad or with BIOS software - USB port for system configuration and firmware update - RS485 serial bus: 1 basic +2 RS485 BUS (optional) supervised with software diagnostics BIOS and keypad - Native Ethernet LAN port for Cloud management/ MYAVSALARM App and integration protocols - PSTN telephone communicator: optional, send calls with digital protocols and voice messages up to 32 telephone numbers - Optional GSM dialer: XGSM 4G, XGSM485 4G/ PRO, sending and receiving SMS, digital protocols and voice messages up to 32 telephone numbers, also available in the GSM U 4G Volte version with Voice over LTE where the service is available - Speech synthesis with audio output: optional (mod. DIGIVOC U) with 320 pre-recorded words and free memory to customize the programmed strings using the programmed strings (automatic TXT to Speech function with BIOS software) and guided HELP, allows listening to voice messages and guided HELP on ICE, A500 keypad PLUS and A600 EVO PLUS - Memory: 5000 events - Integrated time programmer with 32 daily operations with holiday management - Optional ETHERNET and WiFi network modules with WEB SERVER management and MYAVSALARM App: EWEB PLUS VIDEO (for video verification with ONVIF S® cameras) - Wireless Smart Home Home Automation Integration: up to 128 modules, up to 8 load management modules, load management with disconnect priority, up to 128 independent chronothermostats - Industrial protocol integration: MODBUS, HTTP IN/OUT strings, Node-RED \*, MQTT\* - Access Control Integration: ZK-TEKO terminals, Suprema readers with BIOSTAR server\* - Video-Intercom integration with SIP protocol - POWER SUPPLY: 50W - 3,4 A – Battery: 12 Vdc up to 12 Ah - Metal housing- Dimensions (LxHxP): 278 x 304 x 109 mm

\*Some functions will not be available from the first version but will be added later

**IMQ-INCERT EN 50131 Grade 3 CERTIFICATION**

Code Item - Features

**1191363 ULTRA 128 L****Control panel L - 128 zones**

Configurable zones: basic n°8 in the control panel up to 128 with expansions - Balanced inputs (1R - 2R - 3R), switch alarm, inertial, NC, NO and customizable EOL balancing - Virtual IP zones (up to 20) with IP cameras /ONVIF S® - Virtual IP zones (up to 20) and video verification with compatible NVRs - zone mapping - Zone expansions in the control panel: n°1 optional board mod. XEXP8 (8 zones) - Zone expansions on Bus RS485: up to n° 24 - areas/sectors: 32 with 4 arming modes each + macro functions - serial sirens RS 485 connectable: up to 16 HP sirens - serial detectors RS 485 connectable: 32 in the control panel up to 128 with expansions - OC outputs: 7 OC + 8 terminals (IN/OUT) in the control panel up to 200 with expansions - Relay outputs: 1 in the control panel up to 25 with expansions - Connectable keypads: up to n° 24 A300/A600/ICE series, A500, A600 EVO, A1000 series - Connectable Touch Screens: up to 12 T8 and T10 range - Proximity readers: up to 48 readers - Codes and keys: 512 user codes, 512 emergency codes, 512 remote controls, 512 proximity keys/TAGs - System programming: from keypad or with BIOS software - USB port for system configuration and firmware update - RS485 serial bus: 1 basic +2 RS485 BUS (optional) supervised with software diagnostics BIOS and keypad - Native Ethernet LAN port for cloud management/ MYAVSALARM App and integration protocols - PSTN telephone communicator: optional, send calls with digital protocols and voice messages up to 32 telephone numbers - Optional GSM dialer: XGSM 4G, XGSM485 4G/ PRO, sending and receiving SMS, digital protocols and voice messages up to 16 telephone numbers, also available in the GSM U 4G Volte version with Voice over LTE where the service is available - Speech synthesis with audio output: optional (mod. DIGIVOC U) with 320 pre-recorded words and free memory to customize the programmed strings using the programmed strings (automatic TXT to Speech function with BIOS software) and guided HELP, allows listening to voice messages and guided HELP on ICE, A500 keypad PLUS and A600 EVO PLUS - Memory: 10000 events - Integrated time programmer with 32 daily operations with holiday management - Optional ETHERNET and WiFi network modules with WEB SERVER management and MYAVSALARM App: EWEB PLUS VIDEO (for video verification with ONVIF S® cameras) - Wireless Smart Home Home Automation Integration: up to 200 modules, up to 8 load management modules, load management with disconnect priority, up to 128 independent chronothermostats - Industrial protocol integration: MODBUS, HTTP IN/OUT strings, Node-RED \*, MQTT\* - Access Control Integration: ZK-TEKO terminals, Suprema readers with BIOSTAR server\* - Video-Intercom integration with SIP protocol - POWER SUPPLY: 50W - 3,4 A - Battery: 12 Vdc de 7 Ah à 17 Ah - Metal housing - Dimensions (LxHxP): 330 x 420 x 107 mm

\*Some functions will not be available from the first version but will be added later

**IMQ-INCERT EN 50131 Grade 3 CERTIFICATION**

**1191364 ULTRA 1000 L****Control panel L - 1000 zones**

Configurable zones: basic n°8 in the control panel up to 1000 with expansions - Balanced inputs (1R - 2R - 3R), switch alarm, inertial, NC, NO and customizable EOL balancing - Virtual IP zones (up to 30) with IP cameras /ONVIF S® - Virtual IP zones (up to 30) and video verification with compatible NVRs - zone mapping - Zone expansions in the control panel: n°1 optional board mod. XEXP8 (8 zones) - Zone expansions on BUS RS485: up to n.48 - areas/sectors: 64 with 4 arming modes each + macro functions - serial sirens RS 485 connectable: up to 24 HP sirens - serial detectors RS 485 connectable: 32 in the control panel up to 1000 with expansions - OC outputs: 7 OC + 8 terminals (IN/OUT) in the control panel up to 400 with expansions - Relay outputs: 1 in the control panel up to 49 with expansions - Connectable keypads: up to n° 48 A300/A600/ICE series, A500, A600 EVO, A1000 series - Connectable Touch Screens: up to 16 T8 and T10 range - Proximity readers: up to 48 readers - Codes and keys: 1000 user codes, 1000 emergency codes, 1000 remote controls, 1000 proximity keys/TAGs - System programming: from keypad or with BIOS software - USB port for system configuration and firmware update - RS485 serial bus: 1 basic +2 RS485 BUS (optional) supervised with software diagnostics BIOS and keypad - Native Ethernet LAN port for Cloud management/ MyAVSALARM App and integration protocols - PSTN telephone communicator: optional, send calls with digital protocols and voice messages up to 64 telephone numbers - Optional GSM dialer: XGSM 4G, XGSM485 4G/ PRO, sending and receiving SMS, digital protocols and voice messages up to 16 telephone numbers, also available in the GSM U 4G Volte version with Voice over LTE where the service is available - Speech synthesis with audio output: optional (mod. DIGIVOC U) with 320 pre-recorded words and free memory to customize the programmed strings using the programmed strings (automatic TXT to Speech function with BIOS software) and guided HELP, allows listening to voice messages and guided HELP on ICE, A500 keypad PLUS and A600 EVO PLUS - Memory: 10000 events - Integrated time programmer with 32 daily operations with holiday management - Optional ETHERNET and WiFi network modules with WEB SERVER management and MYAVSALARM App: EWEB PLUS VIDEO (for video verification with ONVIF S® cameras) - Wireless Smart Home Home Automation Integration: up to 400 modules, up to 8 load management modules, load management with disconnect priority, up to 128 independent chronothermostats - Industrial protocol integration: MODBUS, HTTP IN/OUT strings, Node-RED \*, MQTT\* - Access Control Integration: ZK-TEKO terminals, Suprema readers with BIOSTAR server\* - Video-Intercom integration with SIP protocol - POWER SUPPLY: 50W - 3,4 A - Battery: 12 Vdc de 7 Ah à 17 Ah - Metal housing - Dimensions (LxHxP): 330 x 420 x 107 mm

\*Some functions will not be available from the first version but will be added later

**IMQ-INCERT EN 50131 Grade 3 CERTIFICATION**



Code Item - Features

1191365 **ULTRA 1000 XL****Control panel XL - 1000 zones**

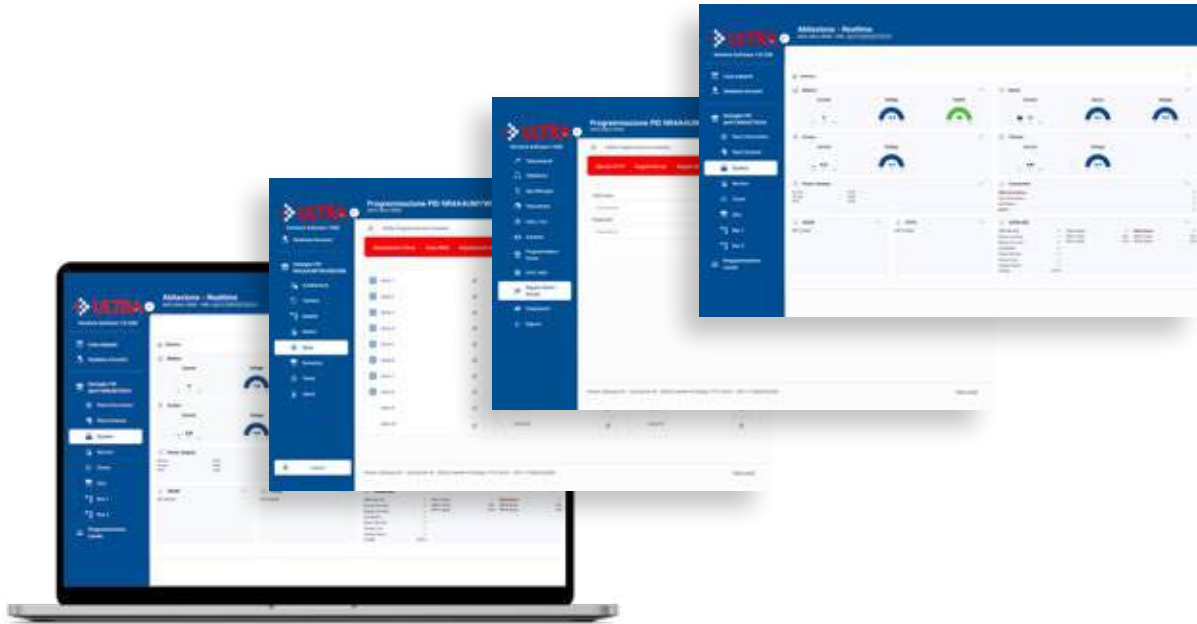
Configurable zones: basic n°8 in the control panel up to 1000 with expansions - Balanced inputs (1R - 2R - 3R), switch alarm, inertial, NC, NO and customizable EOL balancing - Virtual IP zones (up to 30) with IP cameras /ONVIF S® - Virtual IP zones (up to 30) and video verification with compatible NVRs - zone mapping - Zone expansions in the control panel: n°1 optional board mod. XEXP8 (8 zones) - Zone expansions on BUS RS485: up to n.48 - areas/sectors: 64 with 4 arming modes each + macro functions - serial sirens RS 485 connectable: up to 24 HP sirens - serial detectors RS 485 connectable: 32 in the control panel up to 1000 with expansions - OC outputs: 7 OC + 8 terminals (IN/OUT) in the control panel up to 400 with expansions - Relay outputs: 1 in the control panel up to 49 with expansions - Connectable keypads: up to n° 48 A300/A600/ICE series, A500, A600 EVO, A1000 series - Connectable Touch Screens: up to 16 T8 and T10 range - Proximity readers: up to 48 readers - Codes and keys: 1000 user codes, 1000 emergency codes, 1000 remote controls, 1000 proximity keys/TAGs - System programming: from keypad or with BIOS software - USB port for system configuration and firmware update - RS485 serial bus: 1 basic +2 RS485 BUS (optional) supervised with software diagnostics BIOS and keypad - Native Ethernet LAN port for Cloud management/ MyAVSALARM App and integration protocols - PSTN telephone communicator: optional, send calls with digital protocols and voice messages up to 64 telephone numbers - Optional GSM dialer: XGSM 4G, XGSM485 4G/ PRO, sending and receiving SMS, digital protocols and voice messages up to 16 telephone numbers, also available in the GSM U 4G Volte version with Voice over LTE where the service is available - Speech synthesis with audio output: optional (mod. DIGIVOC U) with 320 pre-recorded words and free memory to customize the programmed strings using the programmed strings (automatic TXT to Speech function with BIOS software) and guided HELP allows listening to voice messages and guided HELP on ICE, A500 keypad PLUS and A600 EVO PLUS - Memory: 10000 events - Integrated time programmer with 32 daily operations with holiday management - Optional ETHERNET and WIFI network modules with WEB SERVER management and MYAVSALARM App: EWEB PLUS VIDEO (for video verification with ONVIF S® cameras) - Wireless Smart Home Home Automation Integration: up to 400 modules, up to 8 load management modules, load management with disconnect priority, up to 128 independent chronothermostats - Industrial protocol integration: MODBUS, HTTP IN/OUT strings, Node-RED \*, MQTT\* - Access Control Integration: ZK-TEKO terminals, Suprema readers with BIOSTAR server\* - Video-Intercom integration with SIP protocol - POWER SUPPLY: 75W - 5 A - Battery: 12 Vdc de 2 Ah x 17 Ah - Metal housing - Dimensions (LxHxP): 380 x 490 x 110 mm

\*Some functions will not be available from the first version but will be added later

**IMQ-INCERT EN 50131 Grade 3 CERTIFICATION****TAMPER ACCESSORIES**

Code Item - Features

1180259 **TPW M****Tamper for ULTRA PW M**1180100 **TPW L XL****Tamper for ULTRA PW L+XL**



NEW

# ULTRA bios

## BIOS

### Programming software for ULTRA control panels

The BIOS programming software is a WEB Server solution on a proprietary CLOUD.

A high-performance programming tool that allows the system to be configured simply by using an Internet browser. BIOS allows programming via CLOUD, via TCP/IP and via USB of all the control panels in the ULTRA range.

Although maximum performance is achieved with programming via CLOUD, BIOS also allows programming to be carried out locally via USB in OFF-LINE mode.

#### Advantages:

- Programming without the need for static IPs
- Customer master data synchronised between PCs
- Access to programming with a dedicated account
- Access to programming by invitation with limited operation
- BIOS updates immediately available to the installer
- Updating of Ultra control panels via CLOUD - TCP/IP – USB

Browser compatibility: all browsers, with full offline support and functionality on Google Chrome®

Control panels compatibility: range ULTRA control panels

System requirements: Windows 7 (64bit versions only) - Windows 8 – Windows 10, - MAC (Intel / Silicon)

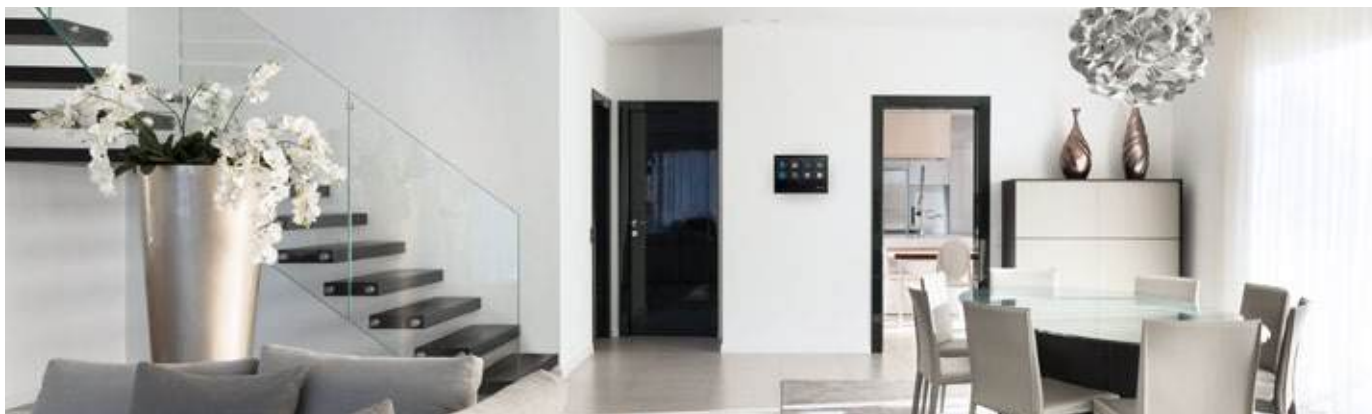
# Control your home with the new touchscreen keypads



T8 | T10

Touchscreen keypads with capacitive technology

-  Android 11
-  Quad core Cortex A55
-  RJ45 with POE
-  WiFi
-  Bluetooth 5.2
-  RS485 Connection



Code Item - Features

**1111142 T8****8" Touchscreen Keypads with capacitive technology**

Touchscreen keypads with capacitive technology – 8" screen size - Android 11 operating system - ABS frame - Resolution: 800 x 1280 - Handles functions: Burglar Alarm, Video Verification, Smart Home Automation, Video Intercom on SIP protocol - Intercom function - Live view function of cameras on the network - Communication with the control panel on proprietary protocol - Connection via TCP-IP in LAN and/or Wi-Fi network and back up on RS485\* - Power supply either 12-24Vdc or POE (Power over Ethernet) - Power consumption: 450mA - Mounting on DIN 503 boxes or round boxes pitch 60 mm - Dimensions mm: 200 x 124.6 x 37.7 - Compatibility: ULTRA range

\*Some functions will not be available from the first version but will be added later

**1111143 T10****10" Touchscreen Keypads with capacitive technology**

Touchscreen keypads with capacitive technology – 10" screen size - Android 11 operating system - METAL frame - Resolution: 1280 x 800 - Handles functions: Burglar Alarm, Video Verification, Smart Home Automation, Video Intercom on SIP protocol - Intercom function - Live view function of cameras on the network - Communication with the control panel on proprietary protocol - Connection via TCP-IP in LAN and/or Wi-Fi network and back up on RS485\* - Power supply either 12-24Vdc or POE (Power over Ethernet) - Power consumption: 500mA - Mounting on DIN 503 boxes or round boxes pitch 60 mm - Dimensions mm: 240,4 x 173 x 33 - Compatibility: ULTRA range

\*Some functions will not be available from the first version but will be added later

**FUNCTIONS**

Screensaver with photo album display

Zone management with total and partial ON and display of associated zone status

Zone management with inclusion and exclusion and status display

Home automation with management of associated home automation devices

Control and management of electrical loads (with MD modules) and statistical analysis of daily consumption

Thermostat function with setting of weekly time slots

Event memory consultation

Consultation of system diagnostics

Home page customization with display setting (Light or Dark)

Display of real-time images from surveillance cameras paired with ONVIF, MJPEG, RTSP or from integrated video surveillance systems\*\*

Local intercom between networked touch keypads

Emergency keypad emulation if connected via RS485 Bus

Remote intercom function between touch keypads and mobile devices via MyAVSAlarm App

Video door phone function with outdoor/indoor video door phone stations connected with SIP protocol

Remote video door phone function with MyAVSAlarm App

Local and remote video answering machine via MyAVSAlarm App

	BASIC	PREMIUM*
Screensaver with photo album display	✓	✓
Zone management with total and partial ON and display of associated zone status	✓	✓
Zone management with inclusion and exclusion and status display	✓	✓
Home automation with management of associated home automation devices	✓	✓
Control and management of electrical loads (with MD modules) and statistical analysis of daily consumption	✓	✓
Thermostat function with setting of weekly time slots	✓	✓
Event memory consultation	✓	✓
Consultation of system diagnostics	✓	✓
Home page customization with display setting (Light or Dark)	✓	✓
Display of real-time images from surveillance cameras paired with ONVIF, MJPEG, RTSP or from integrated video surveillance systems**	✓	✓
Local intercom between networked touch keypads	✓	✓
Emergency keypad emulation if connected via RS485 Bus	✓	✓
Remote intercom function between touch keypads and mobile devices via MyAVSAlarm App	✓	✓
Video door phone function with outdoor/indoor video door phone stations connected with SIP protocol	✓	✓
Remote video door phone function with MyAVSAlarm App	–	✓
Local and remote video answering machine via MyAVSAlarm App	–	✓

\*Premium subscription required | \*\*check compatibility list

**1114001 KIT T8 – T10****Wall mounting spacer (optional)  
with 3 different sizes**

Wall mounting spacer (optional) with 3 different sizes (41-33-25 mm) – Preformed hole for 16-20 mm pipes

# With **A1000**, control your home without compromising on **design**.



MULTIFUNCTIONAL CONTROL PANELS



## AN INTELLIGENT INTERFACE, THREE INTEGRATED SOLUTIONS.

With **A1000**, you have complete control over your spaces.  
Simple. Secure. Customizable.

Security, Home Automation  
and Temperature Control  
at your fingertips.



## With A1000, your space truly becomes smart.

Elegant, intuitive, and easy to configure, the A1000 keypad features **soft-touch keys** and was designed to give you **full control**, not only of your **burglar alarm**, but also of **home automation, temperature control**, and **access control**.

**A1000** is much more than just a keypad: it's an **advanced interface** that integrates **security, home automation, and temperature management**, all in a single, sleek, and functional device.

The **large display** offers a **clear, bright view**, with **adjustable backlighting and contrast**.

Thanks to its **versatility, A1000** can be configured to operate in three main modes:

- **Alarm** - advanced intrusion protection
- **Temperature Control** - precise temperature regulation for maximum comfort
- **Home Automation** - simple, intuitive smart home management

You can **choose your default mode** and **switch between functions instantly, thanks to a simple and user-friendly interface**.

*Available in two colors (white and black) and in Standard and Plus versions.*

Code            Item - Features

### 1111146    **A1000 WHITE**

**Touch Sense keypad 192x64 pixel - white cover**

Display: High-resolution graphic display, 192 × 64 pixels - LED indicators: 7 status LEDs - Backlight: Adjustable (0% >> 100%) - Cover color: white - Zone terminals: 2 (balanced NC/NO) - Integrated NTC sensor for temperature measurement - Operating modes: Alarm – SmartHome\* – Temperature Management\* - Keypad: capacitive soft-touch - keys: 23 + 4 multifunction + navigation joystick - RS485 BUS with automatic speed selection and firmware update via RS485 - Power consumption: 60 mA - Dimensions (L × H × D): 147 × 139 × 19 mm - Easy wall-mount installation with mounting base, removable terminals on base, and alignment bubble - Compatibility: ULTRA / XTREAM / RAPTOR control panels

\* SmartHome and Temperature Management functions available only when paired with ULTRA control panel

**Certification: IMQ-INCERT EN 50131**

### 1111147    **A1000 PLUS WHITE**

**Advanced Touch Sense keypad with proximity reader and audio output - white cover**

Same features as the A1000 model with the addition of the following functions: Integrated proximity reader for AVS NFC tags and MIFARE Desfire tags - Audio output for system status indication and guided HELP - Digital audio - Adjustable volume and key backlight brightness

**Certification: IMQ-INCERT EN 50131**

### 1111144    **A1000 BLACK**

**Touch Sense keypad 192x64 pixel - black cover**

Same features as A1000, but in black color.

### 1111145    **A1000 PLUS BLACK**

**Advanced Touch Sense keypad with proximity reader and audio output - black cover**

Same features as A1000 PLUS, but in black color.





# Core of an advanced system.

MULTIFUNCTIONAL CONTROL PANELS



## Capture

CAPTURE is the alarm system that allows you to check accurately any environment. Easily control the status of the system with the APP to be secure everywhere and at any time.

# Capture



Code      Item - Features

**1100178    CAPTURE 8****Control panel 8 zones with remote management**

Configurable zones: 8 basic zones on the main PCB or on expansions - NC inputs, NO inputs, 1 resistor or 2 resistors inputs, switch alarms, inertial detectors - Zone mapping function - Zone expansions on RS485 Bus: up to 4 -Areas/sections: 4 with 4 arming modes each + macro functions - RS485 serial sirens: up to 2 HP sirens - RS485 serial detectors: up to 8 with expansions - Outputs: 3 on the Control panel and 4 zones that can be used as outputs and up to 8 with expansions (relay + O.C.) - Keypads: up to 8 ICE, A500, A500 PLUS, A600 EVO, A600 EVO PLUS - Codes and keys: 64 user codes, 64 emergency codes, 64 remote controls, 64 proximity TAG - Programming of system: via keypad or with XWIN software - USB port for configuring the system and updating the firmware - RS485 serial Buses: one RS485 Bus supervised with diagnostics using XWIN software and the keypad - PSTN telephone dialler: integrated, sending of calls with digital protocols and voice messages to a max of 16 telephone numbers - optional GSM dialler: XGSM and XGSM485/ PRO, sending and receiving of SMS messages, digital protocols and voice messages to a max of 16 telephone numbers, MYAVSALARM App available - ETHERNET TCP-IP network module, WEB SERVER and MYAVSALARM App: optional EWEB Plus, EWEB Wi-Fi - Speech synthesis and audio output: optional DIGIVOC with more than 300 personalisable words and HELP guide for listening to voice messages, and HELP guide with ICE and A500 Plus keypads - Memory: more of 500 events - Integrated time programmer with 16 daily operations and holiday management - Power supply unit: 13.8 Vdc 1.2 A switching, 12 Vdc 7 Ah battery - METAL housing - Dimensions (LxHxW): 275 x 305 x 90 mm

**INCERT EN 50131 Grade 2 CERTIFICATION****1100182    CAPTURE 16****Control panel 16 zones with remote management**

Configurable zones: 8 basic zones on the main PCB and up to 16 with expansions - NC inputs, NO inputs, 1 resistor or 2 resistors inputs, switch alarms, inertial detectors - Zone mapping function - Zone expansions on RS485 Bus: up to 4 - Areas/sections: 4 with 4 arming modes each + macro functions - RS485 serial sirens: up to 4 HP sirens - RS485 serial detectors: up to 16 with expansions - Outputs: 3 on the Control panel and 4 zones that can be used as outputs and up to 16 with expansions (relay + O.C.) - Keypads: up to 8 ICE, A500, A500 PLUS, A600 EVO, A600 EVO PLUS - Codes and keys: 64 user codes, 64 emergency codes, 64 remote controls, 64 proximity TAG - Programming of system: via keypad or with XWIN software - USB port for configuring the system and updating the firmware - RS485 serial Buses: one RS485 Bus supervised with diagnostics using XWIN software and the keypad - PSTN telephone dialler: integrated, sending of calls with digital protocols and voice messages to a max of 16 telephone numbers - optional GSM dialler: XGSM and XGSM485/ PRO, sending and receiving of SMS messages, digital protocols and voice messages to a max of 16 telephone numbers, MYAVSALARM App available - ETHERNET TCP-IP network module, WEB SERVER and MYAVSALARM App: optional EWEB Plus, EWEB Wi-Fi - Speech synthesis and audio output: optional DIGIVOC with more than 300 personalisable words and HELP guide for listening to voice messages, and HELP guide with ICE and A500 Plus keypads - Memory: more of 500 events - Integrated time programmer with 16 daily operations and holiday management - Power supply unit: 13.8 Vdc 1.2 A switching, 12 Vdc 7 Ah battery - METAL housing - Dimensions (LxHxW): 275 x 305 x 90 mm

**INCERT EN 50131 Grade 2 CERTIFICATION****1100193    CAPTURE 16M****Control panel 16 zones with remote management**

Same features as the CAPTURE 16 with: - Power supply unit: 13.8 Vdc 1.6 A switching, 12 Vdc 18 Ah battery - Metal housing - Dimensions (LxHxW): 311 x 375 x 96 mm

**INCERT EN 50131 Grade 2 CERTIFICATION**

# Capture



CAPTURE 32M  
CAPTURE 64M  
CAPTURE 128M

Code Item - Features

**1100180 CAPTURE 32**

**Control panel 32 zones with remote management**

Configurable zones: 8 basic zones on the main PCB and up to 32 with expansions - NC inputs, NO inputs, 1 resistor or 2 resistors inputs, switch alarms, inertial detectors - Zone mapping function - Zone expansions on RS485 Bus: up to 8 - Areas/sections: 8 with 4 arming modes each + macro functions - RS485 serial sirens: up to 8 HP sirens - RS485 serial detectors: up to 32 with expansions - Outputs: 3 on the Control panel and 4 zones that can be used as outputs and up to 32 with expansions (relay + O.C.) - Keypads: up to 8 ICE, A500 A500 PLUS, A600 EVO, A600 EVO PLUS - Codes and keys: 128 user codes, 128 emergency codes, 128 remote controls, 128 proximity TAG - Programming of system: via keypad or with XWIN software - USB port for configuring the system and updating the firmware - RS485 serial Buses: one RS485 Bus supervised with diagnostics using XWIN software and the keypad - PSTN telephone dialler: integrated, sending of calls with digital protocols and voice messages to a max of 16 telephone numbers - optional GSM dialler: XGSM and XGSM485/PRO, sending and receiving of SMS messages, digital protocols and voice messages to a max of 16 telephone numbers, MYAVSALARM App available - ETHERNET TCP-IP network module, WEB SERVER and MYAVSALARM App: optional EWEB Plus, EWEB Wi-Fi - Speech synthesis and audio output: optional DIGIVOC with more than 300 personalisable words and HELP guide for listening to voice messages, and HELP guide with ICE and A500 Plus keypads - Memory: more of 500 events - Integrated time programmer with 16 daily operations and holiday management - Power supply unit: 13.8 Vdc 1.2 A switching, 12 Vdc 7 Ah battery housing - Dimensions (LxHxW): 275 x 305 x 90 mm - **INCERT EN 50131 Grade 2 CERTIFICATION**

**1100194 CAPTURE 32M**

**Control panel 32 zones with remote management**

Same features as the CAPTURE 32 with: - Power supply unit: 13.8 Vdc 1.6 A switching, 12 Vdc 18 Ah battery - METAL housing - Dimensions (LxHxW): 311 x 375 x 96 mm - **INCERT EN 50131 Grade 2 CERTIFICATION**

**1100217 CAPTURE 64M**

**Control panel 64 zones with remote management**

Configurable zones: 8 basic zones on the main PCB and up to 64 with expansions - NC inputs, NO inputs, 1 resistor or 2 resistors inputs, switch alarms, inertial detectors - Zone mapping function - Zone expansions on RS485 Bus: up to 8 - Areas/sections: 8 with 4 arming modes each + macro functions - RS485 serial sirens: up to 8 HP sirens - RS485 serial detectors: up to 64 with expansions - Outputs: 3 on the Control panel and 4 zones that can be used as outputs and up to 64 with expansions (relay + O.C.) - Keypads: up to 8 ICE, A500 A500 PLUS, A600 EVO, A600 EVO PLUS - Codes and keys: 128 user codes, 128 emergency codes, 128 remote controls, 128 proximity TAG - Programming of system: via keypad or with XWIN software - USB port for configuring the system and updating the firmware - RS485 serial Buses: one RS485 Bus supervised with diagnostics using XWIN software and the keypad - PSTN telephone dialler: integrated, sending of calls with digital protocols and voice messages to a max of 32 telephone numbers - optional GSM dialler: XGSM and XGSM485/PRO, sending and receiving of SMS messages, digital protocols and voice messages to a max of 32 telephone numbers, MYAVSALARM App available - ETHERNET TCP-IP network module, WEB SERVER and MYAVSALARM - App: optional EWEB Plus, EWEB Wi-Fi - Speech synthesis and audio output: optional DIGIVOC with more than 300 personalisable words and HELP guide for listening to voice messages, and HELP guide with ICE and A500 Plus keypads - Memory: more of 500 events - Integrated time programmer with 16 daily operations and holiday management - Power supply unit: 13.8 Vdc 1.6 A switching, 12 Vdc 18 Ah battery - METAL housing - Dimensions (LxHxW): 311 x 375 x 96 mm - **INCERT EN 50131 Grade 2 CERTIFICATION**

**1100218 CAPTURE 128M**

**Control panel 128 zones with remote management**

Configurable zones: 8 basic zones on the main PCB and up to 128 with expansions - NC inputs, NO inputs, 1 resistor or 2 resistors inputs, switch alarms, inertial detectors - Zone mapping function - Zone expansions on RS485 Bus: up to 8 - Areas/sections: 8 with 4 arming modes each + macro functions - RS485 serial sirens: up to 8 HP sirens - RS485 serial detectors: up to 128 with expansions - Outputs: 3 on the Control panel and 4 zones that can be used as outputs and up to 71with expansions (relay + O.C.) - Keypads: up to 8 ICE, A500 A500 PLUS, A600 EVO, A600 EVO PLUS - Codes and keys: 128 user codes, 128 emergency codes, 128 remote controls, 128 proximity TAG - Programming of system: via keypad or with XWIN software - USB port for configuring the system and updating the firmware - RS485 serial Buses: one RS485 Bus supervised with diagnostics using XWIN software and the keypad - PSTN telephone dialler: integrated, sending of calls with digital protocols and voice messages to a max of 32 telephone numbers - optional GSM dialler: XGSM and XGSM485/PRO, sending and receiving of SMS messages, digital protocols and voice messages to a max of 32 telephone numbers, MYAVSALARM App available - ETHERNET TCP-IP network module, WEB SERVER and MYAVSALARM - App: optional EWEB Plus, EWEB Wi-Fi - Speech synthesis and audio output: optional DIGIVOC with more than 300 personalisable words and HELP guide for listening to voice messages, and HELP guide with ICE and A500 Plus keypads - Memory: more of 500 events - Integrated time programmer with 16 daily operations and holiday management - Power supply unit: 13.8 Vdc 1.6 A switching, 12 Vdc 18 Ah battery - METAL housing - Dimensions (LxHxW): 311 x 375 x 96 mm

## SUPERVISED POWER SUPPLY UNITS FOR CAPTURE



Code Item - Features

### 1120134 PWCPT

#### Power Supply unit in metal housing with zones and outputs

Current: 1,2 A max - Bus connection: RS485 - Dynamic power control for 220 Vac , fuses and battery status - zones: 8 inputs - outputs: 3 (relay + o.c.) - Battery (space for): 12 Vdc from 7A - Metal housing dimensions (LxHxD): 275 x 305 x 95mm - Compatibility: CAPTURE - **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

### 1120135 PWCPTM

#### Power Supply unit in metal housing with zones and outputs

Current: 1,6 A max - Bus connection: RS485 - Dynamic power control for 220 VAc, fuses and battery status - zones: 8 inputs - outputs: 3 (relay + o.c.) - Battery (space for): 12 Vdc from 18 A - Metal housing dimensions (LxHxD): 311 x 375 x 96mm - Compatibility: CAPTURE - **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

## CAPTURE SYSTEM DEMO CASE

### 1191296 CAPTURE SYSTEM DEMO CASE

#### Capture system demo case in high resistant PVC

Shockproof high resistance PVC suitcase, guaranteed to protect and transport delicate equipment - black color - easy opening - shock resistant - safety catches - soft grip - Dimensions: 502 x 415 x H 246 mm - Weight: 6,5 Kg.

**IP Protection: 65**

#### Content:

<b>1100178</b>	Capture 8	Control panel 8 zones with remote management
<b>1111120</b>	A500 PLUS	Smart LCD keypad with audio and NFC Ready
<b>1111123</b>	ICE	4.3" Touch screen keypad NFC ready with white cover
<b>1130144</b>	JET DT HP PLUS	Digital dual technology detector RS485 with antimasking
	MC magnetic	New miniaturized magnetic contact
<b>1132116</b>	ONE DT HP	Outdoor dual technology detector with RS485 Bus
	Electronic board	Siren HP + flash - to simulate sound and flashing light/blinking





Code Item - Features

**1111123 ICE****4.3" Touch screen keypad NFC ready with white cover**

Technology: 4.3" TFT touch screen - Cover: white - Inputs/outputs: 2 in/out terminals - Integrated proximity reader with NFC ready technology - Audio output for listening to the voice guide - USB port for programming and updating via PC - Photo frame function and support for Micro SD card (memory not provided) - Graphical display mode: App icons, quick mode and keypad simulation - Power consumption: 250 mA - Dimensions of housing (LxHxW): 130 x 92 x 16 mm - Compatibility: XTREAM - CAPTURE - RAPTOR - **CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

**1111130 ICE BL****4.3" Touch screen keypad NFC ready with black cover**

Same features as the ICE model, with black cover

**1111119 A500****Smart LCD keypad - white color**

Display: 32 characters LCD display + 7 system status LEDs - Backlighting: white illuminated keys, blue illuminated display - Cover: standard white - Zone inputs: 1 (NC) - Power consumption: 70mA - Dimensions: (LxHxW): 110 x 130 x 34 mm - Compatibility: XTREAM - CAPTURE - RAPTOR

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2****1111120 A500 PLUS****Smart LCD keypad with audio and NFC Ready - white color**

Same features as the A500 with: - Audio output for listening to the voice guide - Integrated proximity reader with NFC ready technology - Interchangeable cover: white, grey and black

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2****1111140 A500 XS4****Smart LCD keypad white color with bidirectional radio extension module**

Display: 32 characters LCD display + 7 system status LEDs - Backlighting: white illuminated keys, blue illuminated display - Cover: standard white - Terminals: 2 programmable in/out (nc/no) - Integrated WS4 radio receiver - Wireless devices: 32 wireless detectors, 64 remote controls, 1 wireless siren, 32 smart home modules - Radio technology: bidirectional dual FM antenna GFSK FM 868 Mhz - range: 700 meters in open space - Connection: RS485 serial - Power supply and consumption: 13.8 Vdc, 70mA - Dimensions: (LxHxW): 110 x 130 x 34 mm - Compatibility: XTREAM - CAPTURE and bidirectional device WS4 series

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2****1111141 A500 PLUS XS4****Smart LCD keypad with audio, NFC ready and bidirectional radio extension module**

Same features as the A500 XS4 with: - Audio output for listening to the voice guide - Integrated proximity reader with NFC ready technology - Interchangeable cover: white, grey and black

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2****1111100 A300****Compact LCD keypad with white cover**

Display: 32 characters LCD display + 3 system status LEDs - Backlighting: green - Cover: white - Zone inputs: 1 (NC) - Power consumption: 70mA - Dimensions (LxHxW): 120 x 90 x 15 mm - partially recessed in type 503 junction box - Compatibility: XTREAM

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

Code Item - Features

1111109 **A600 EVO**

**Advanced LCD keypad**

Display: large character 16x2 LCD display and 8 signalling LEDs - Backlighting: blue - Cover: white - Zone inputs: 2 (balanced NC/NO) - Advanced management of keypad with quick selection keys, ABCD keys and multifunctional LED - Power consumption: 170mA - Dimensions (LxHxW): 153 x 120 x 35 mm - Compatibility: XTREAM, CAPTURE, RAPTOR - **CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

1111110 **A600 EVO PLUS**

**Advanced LCD keypad with audio and proximity reader TOUCH/NFC**

Same features as the A600 EVO with: Reader for NFC TAG and TOUCH keys - Digital audio (combined with Raptor and Capture series) - USB port for control panel programming and keypad firmware update - Volume control and illumination of keys - **CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**



A600 EVO

PROXIMITY KEYS AND READERS WITH "NFC" TECHNOLOGY.

NEW



1150154 **AIR**

**NFC key ring proximity tag**

Technology: NFC - Material: transparent epoxy resin - Compatibility: A500 PLUS, A500 PLUS XS4, A600 EVO PLUS, A1000, RS KS - **CERTIFICATION: IMQ-INCERT EN 50131**

NEW



1150148 **RS KS**

**Serial BUS NFC readers compatible with Keystone sockets**

Bus connection: RS485 - Suitable with: RJ45 Keystone sockets - Reader technology: NFC - Compatible Tag: TOY series - Terminals: 1 programmable in/out (NC) - Inputs: 1 NC - Display: 5-color RGB LED with status indication - Current consumption: 20/40mA - Dimensions (LxHxD): 18.5 x 41 x 52mm - Available colours: White and Black - Compatibility: ULTRA, XTREAM, CAPTURE, RAPTOR R/RK (no LC) control panels

**Note Xtream/Capture/Raptor: Terminal/Input not usable.**

**Certification: IMQ-INCERT CERTIFICATION EN50131**



NEW



1150153 **RS WG**

**RS485 Serial Interface >> WIEGAND compatible with ULTRA control panel**

Bus connection: RS485 - Suitable with: RJ45 Keystone sockets - Converter: Wiegand - Managed Wiegand devices: 1 - Maximum distance between Wiegand device and RS/WG module: 5 m - Display: 5-color RGB LED with status indication - Power consumption: 20/40 mA - Supported Wiegand format: up to 64 bits - Dimensions (WxHxD): 18,5 x 41 x 52 mm - Available colors: white and black - Compatibility: ULTRA control panel range and third-party WIEGAND readers

Code Item - Features



**1171127 GSM 4G U**

**4G-VoLTE GSM telephone communication module**

GSM telephone communicator (Voice over LTE) with voice /digital / SMS - 4G VoLTE - Connection networks: 2G/3G/LTE/4G VoLTE - Communication protocols: voice, contact ID, SIA, contact ID IP, SIA IP - SMS sending and receiving - Communication management with Mobile App MyAVS ALARM and simultaneous sending of telephone calls, if supported by the network - Connection: PLUG-IN in the control panel - Power consumption: 320 mA - Dimensions (WxHxD): 90 x 60 x 15 mm - Compatibility: ULTRA range  
**IMQ-INCERT CERTIFICATION EN50131 Grade 3 - RED directive compliant**



XGSM 485 4G

**1171116 XGSM 485 4G**

**Telephone dialler with RS485 BUS on LTE/4G networks**

Connection networks: 2G/3G/LTE/4G - Communication protocols: voice and SMS messages - Sending and receiving of SMS messages - Connection: RS485 serial - USB port for direct connection to the PC and XWIN software - Double SIM CARD - Speech synthesis: integrated with over 300 pre-recorded and customizable speeches - Power supply and consumption: 13.8 Vdc, 320 mA - Dimensions of PCB (LxHxW): 75 x 121 x 25 mm - Compatibility: XTREAM 6/32/64/640, CAPTURE, RAPTOR RK/R/RT, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2 – Compliance to RED CERTIFICATION**



XGSM 485 4G + CONT SX

**1171117 XGSM 485 PRO 4G**

**Telephone dialler with RS485 BUS on LTE/4G networks**

Connection networks: 2G/3G/LTE/4G - Communication protocols: voice and SMS messages -Sending of digital protocols over data channel with TCP-IP protocol - Sending and receiving of SMS messages - Simulation and testing presence of PSTN line - 3 terminals configurable as OC - Communication management with mobile APP MY AVS ALARM - Connection: RS485 serial - USB port for direct connection to the PC and XWIN software - Double SIM CARD - Speech synthesis: integrated with over 300 pre-recorded and customizable speeches - Power supply and consumption: 13.8 Vdc, 320 mA - Dimensions of PCB (LxHxW): 75 x 121 x 25 mm - Compatibility: XTREAM 6/32/64/640, CAPTURE, RAPTOR RK/R/RT, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

**ACCESSORIES: HOUSINGS AND ANTENNA EXTENSION CABLE, SEE PAG. 61**



**1170130 PSTN U**

**Telephone communication module on PSTN line**

Communication protocols: Fast, Contact ID, SIA - Remote telephone control: NO - Connection: PLUG-IN on control panel board - Current consumption: 58mA - Dimensions (WxHxD): 60 x 120 x 25 mm - Compatibility: ULTRA range



**1107135 DIGIVOC ENO U**

**Speech synthesis**

Speech synthesis with a digital library of over 320 pre-recorded and customisable words - possibility to store 3680 customisable messages no more than 16" and a total memory of 50 minutes - Connection: PLUG-IN on card - Compatibility: ULTRA range, Starlink 4G, XGSM485 4G - XGSM485 4G PRO



**1105130 EWEB WIFI II**

**WiFi and Web Server network board**

The interface of communication EWEB WIFI II allows the Wi-Fi connection with the AVS control panels. Same features and functionalities of the model EWEB PLUS VIDEO (without the VIDEO functionalities) - Compatibility Wi-Fi: 2,4 GHz 801.11 g/n

## POWER SUPPLY UNIT WITH ZONES AND OUTPUTS

Code Item - Features



XSAT PW3Q/5Q

### 1120113 XSAT PW3Q

#### 3.4 A power supply with zone expansion in metal housing

Current: 3,4 A max - Bus connection: RS485 - Dynamic power control for 220 VAc, fuses and battery status - zones: from 10 to 18 with optional module XEXP8 - Balanced inputs, switch alarms, inertial detectors - outputs: 9 (relay + o.c.) - Battery (space for): 12 Vdc from 7Ah to 17Ah - Metal housing dimensions (LxHxD): 330 x 420 x 117 mm - Compatibility: CAPTURE, XTREAM 32/64/640, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 3**

### 1120115 XSAT PW5Q

#### 5 A power supply with zone expansion in metal housing

Current: 5 A max - Bus connection: RS485 - Dynamic power control for 220 VAc, fuses and battery status - zones: from 10 to 18 with optional module XEXP8 - Balanced inputs, switch alarms, inertial detectors - outputs: 9 (relay + o.c.) - Battery (space for): 12 Vdc from 7Ah to 17Ah - Metal housing dimensions (LxHxD): 330 x 420 x 117 mm - Compatibility: CAPTURE, XTREAM 32/64/640, ULTRA



XSAT PW3/PW5

### 1120112 XSAT PW3

#### 3.4 A power supply with zone expansion - PCB only

Same features as XSAT PW3Q, PCB without metal housing

### 1120114 XSAT PW5

#### 5 A power supply with zone expansion - PCB only

Same features as XSAT PW5Q, PCB without metal housing

## WIRED AND WIRELESS ZONE EXPANSION MODULES



### 1120147 EXPRS485 U

#### 2 x RS485 Serial Line Expansion

Optional card to add 2 RS485 BUS for connecting serial peripherals - Connection: PLUG-IN  
 Compatibility: ULTRA range

### 1120107 XEXP8

#### 8 zones expansion PLUG-IN module

Zones: 8 balanced inputs, switch alarms, inertial detectors - Connection: PLUG-IN - Consumption: 5 mA - Dimensions: 55 x 33 mm (LxH) - Compatibility: XTREAM, XSAT36, XSATPW, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

### 1120108 XSAT8

#### RS485 serial zone extension module 10 zones and 8 outputs

Zones: 10 balanced inputs, switch alarms, inertial detectors - Outputs: 8 free OCs - Connection: RS485 serial connection - Power supply and consumption 13.8 Vdc, 40 mA - Dimensions (LxH): 80 x 55 mm - Compatibility: XTREAM, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

### 1120111 XSAT36

#### RS485 serial zone extension module 18 zones and 9 outputs

Zones: 10 up to 18 with optional module XEXP8, switch alarms, inertial detectors - Outputs: 9 (relay + OCs) - Connection: RS485 serial connection - Dimensions (LxHxD): 80 x 130 x 30 mm - Compatibility: CAPTURE, XTREAM 32/64/640, ULTRA - **CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

XSAT8



## WIRED AND WIRELESS ZONE EXPANSION MODULES

Code Item - Features



### 1120124 XSAT HP MINI

#### RS485 serial zone extension module

HP serial zones/devices: up to 32 - In/out terminals: 4 configurable as balanced inputs or outputs - Connection to the Control panel: RS485 serial - RS485 serial connection of digital peripherals - USB port: one for local management with PC and XWIN software - Power supply and consumption 13.8 Vdc, 75 mA - Dimensions (LxH): 80x55 mm - Compatibility: CAPTURE, XTREAM



### 1121113 XSAT WS 4 PRO

#### Bidirectional radio 32 zone extension module

Wireless devices: 32 wireless detectors, 64 remote controls with XTREAM (up to 1.000 remote controls with ULTRA), 1 wireless siren, 32 smart home modules - Radio technology: bidirectional dual FM antenna GFSK FM 868 Mhz - Connection: RS485 serial - Terminals: 2 programmable in/out - Power supply and consumption: 13.8 Vdc, 45 mA max - Dimensions (LxWxH): 129.5 x 16 x 92.5 mm - Compatibility: XTREAM, CAPTURE, ULTRA  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

## BOARD LAN / ETHERNET, WI-FI

**eweb**



### 1105128 EWEB PLUS

#### Optional board LAN/Ethernet

The interface of communication EWEB PLUS allows the LAN connection with the control panels AVS, offering many features:

- Mobile App management "MY AVS ALARM" - Simultaneous connection up to 4 users - Digital protocols via TCP-IP with data encryption AES128 bit - Management of the protocols VS-XLINK for other systems integration with data encryption AES128 bit.

**INSTALLER FUNCTIONS:** Programming of AVS control panels through XWIN, using a LAN/WLAN connection or remote in ADSL or with the mobile APP MYAVSMANAGER, through the Cloud. - Dynamic DNS Management - LAN Port: RJ45, 10/100 Mbit/s - Compatibility: ULTRA (with limited functionalities), CAPTURE/XTREAM software XWIN and ELM

**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

Code Item - Features

**1105136 EWEB PLUS VIDEO****LAN/Ethernet network board with VIDEO**

Same features and functionalities of the model EWEB PLUS 2 with the following added functions: Management of 8 video camera ONVIF S R - Sending video event completed of pre-event/event/post-event – Management of events: Alarm - User code - Emergency code - False code - Arming/disarming - Panic/Medical/Fire dispatch - Auto configuration Wi-Fi network board by Cloud - **Video functions available with APP MYAVSALARM (PREMIUM):** - Sending Push Notification completed with preview video - Saving video in Cloud – Possibility to send video by email

**NOTE:** ® The trademarks mentioned belong to their respective owners

**CERTIFICATION:** IMQ-INCERT EN 50131 Grade 2

**1121114 XSAT WS 4 VIDEO****Bidirectional wireless zone module (expansion/repeater) for video and non-video detectors**

Wireless technology: bidirectional dual FM antenna GFSK FM 868 Mhz - Connection: RS485 serial - Terminals: 2 programmable in/out – Frames memory: video events complete with 10 frames each saved on Cloud - Image speed: 100Kbit / s (about 25" full upload) - Power supply and consumption: 13.8 Vdc, 45 mA max - Dimensions (LxWxH): 129,5 x 16 x 92,5 mm - **With RAPTOR system:** Bidirectional wireless device repeater: up to 125 radio sensors (not for sirens and remote controls) - **With XTREAM / CAPTURE system:** Wireless devices: 32 wireless detectors, 64 remote controls, 1 wireless siren, 32 smart home modules - **With ULTRA system:** Wireless devices: 32 wireless detectors, UP TO 1.000 remote controls, 1 wireless siren, 32 smart home modules-. Compatibility: ULTRA, XTREAM, CAPTURE, RAPTOR and bidirectional devices WS 4 and WS 4 VIDEO series

**CERTIFICATION:** IMQ-INCERT EN 50131 Grade 2

NEW

**1131163 JET PA WS 4 VIDEO PRO****Bidirectional wireless IR detector with antimasking, integrated camera/ audio and 12V optional power supply**

Passive infrared with aspherical lens and look-down mirror - IR coverage: 15 meters, 90°coverage, 7 levels and 41 sectors with sealed optics - PET Immunity - Anti-masking with active IR, adjustable detection distance - Accelerometer for tear-off and disorientation signaling - Use: indoor - Frequency: FM 868 MHz - multi frequency - bidirectional - Radio range: up to 150 m. in open field - Communication: alarm - pre and post alarm images - tampering - battery - survival - masking - detector model - battery voltage - operating temperature - simplified programming: self-learning on CP - setting operating parameters directly via CP, from laptop or APP MY AVS MANAGER - Firmware detector upgrade - Power supply: 12Vdc external with optional power supply (mod. PW M) + 2 batteries 3 Vdc lithium 1.1 A type CR123 - Autonomy up to 2 years with battery power supply only, activating the reduced consumption function - Dimensions (DxWxH): 39 x 65 x 120 mm - Compatibility: RAPTOR with RVS or XSAT WS4 VIDEO / XTREAM / CAPTURE / ULTRA with XSAT WS4 VIDEO

**VIDEO Features:** VGA camera - 90° coverage - 320 x 240 resolution - Image transfer speed: 100Kbit/s (about 25" full load) - Infrared illuminator not visible - Depth of field: 12 m in relation to the brightness - Automatic Day/Night function - Recording and sending event audio files - Request remote images - Camera exclusion from user - Low power consumption with image transmission only upon alarm - Video Compatibility: MY AVS Alarm Application

NEW

**1132156 SPECTRUM DT WS4 AM VIDEO****Outdoor triple technology detector with bidirectional wireless camera, with anti-masking and optional 12V power supply**

Detection through double PIR and microwave 10.525 GHz - Detection range from 3 to 12 meters – Antimasking with active IR - Tamper through accelerometer - Digital temperature compensation - Light filter - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity – Frequency: 868 MHz FM - multi-frequency – bidirectional - max range 700 m – Communication: alarm - sabotage - battery - survival - masking - detector model - battery voltage – operating temperature - simplified programming: self-learning on PC - setting operating parameters via control panel, PC or through the MyAVSMANAGER app - Walk test with Led and buzzer activation – Power supply: 12 Vdc external with optional power adapter (model PW M) + 2 lithium batteries 3.6 Vdc 2.2 Ah - Battery life: up to 4 years with battery-only power supply, low active consumption, and image-request function disabled - Dimension (d x W x H): 68.3 × 75.4 × 189.4 mm - Compatibility: RAPTOR control panels with RVS or XSAT WS4 VIDEO – XTREAM / ULTRA with XSAT WS4 VIDEO

Protection class: IP 55

**VIDEO Features**

VGA camera – 90° coverage – Programmable resolution: Standard 320 × 240 / High quality 640 × 480 – Image transfer speed: 100 Kbit/s (approx. 25" for full upload) – Invisible infrared illuminator – Depth of field: 12 m depending on light conditions – Automatic Day/Night function – Event recording and transmission – Remote image request – Camera exclusion from user – Low power consumption with image transmission only on alarm – Video compatibility: MYAVSAlarm app



POWER 3Q/5Q



POWER 3/5

**1120117 POWER 3Q**

**3.4 A power supply in metal housing - serial connection RS485**

Current: 3,4 A max - Bus connection: RS485 (CAPTURE/XTREAM) - Dynamic power control for 220 VAc, fuses and battery status - Battery (space for): 12 Vdc from 7Ah to 17Ah - Metal housing - Dimensions (LxHxP): 330 x 420 x 117 mm - Compatibility: ULTRA, XTREAM - **IMQ-INCERT EN 50131 Grade 3 CERTIFICATION**

**1120119 POWER 5Q**

**5 A power supply in metal housing - serial connection RS485**

Same features as the POWER 3Q, with max current 5A.

**1120116 POWER 3**

**Power supply unit - PCB only version**

Same features as POWER 3Q, PCB without metal housing

**1120118 POWER 5**

**Power supply unit - PCB only version**

Same features as POWER 5Q, PCB without metal housing



Code Item - Features

**1180144 PW1**  
Switching power supply unit 13,8 Vdc 1A

Current: 1 A max - Output tension: 13.8 Vdc - Connection: terminals - Compatibility: XTREAM 6

**1180156 PW1,7**  
Switching power supply unit 13,8 Vdc 1,7A

Current: 1,7 A max - Output tension: 13.8 Vdc - Connection: terminals - Compatibility: XTREAM 32, XTREAM 64

**1180145 PW3**  
Switching power supply unit 13,8 Vdc 3,4A

Current: 3,4 A max - Output tension: 13.8 Vdc - Connection: terminals - Compatibility: Control panels XTREAM 640, XSATPW3(Q), XSATHP, POWER 3(Q)

**1180149 PW5**  
Switching power supply unit 13,8 Vdc 5A

Current: 5 A max - Output tension: 13.8 Vdc - Connection: terminals - Compatibility: XSATPW5(Q), XSATHP, POWER 5(Q), XSATHP

**1180169 TRCPT**  
Transformer for Capture 8/16/32

Input tension: 230 V - Output tension: 13.8 Vac, 20 VA

**1180185 TRCPT M**  
Transformer for Capture 32M/64M/128M

Input tension: 230 V - Output tension: 13.8 Vac, 20 VA

BOXES FOR EXTENSION MODULES AND POWER SUPPLY UNITS



CONT SX

**1183108 CONT SX**  
Compact housing for modules and PCB

Housing with metal base and ABS cover - Dimensions (LxHxW): 164 x 110 x 36 mm - Compatibility: XSAT2, XSAT8, STARLINK 4G PRO, XGSM485 4G

**1183109 CONT SX Metal**  
Housing for extension modules

Same features as the CONT SX, with metal base and cover  
**IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**



CONT SAT W - CONT SAT WX

**1122102 CONT SAT W**  
Housing for modules and PCB

ABS housing for extension cards - Dimensions (LxHxW): 225 x 210 x 73 mm - Compatibility expansions: XSAT36, XGSM485 4G and STARLINK 4G PRO.

**IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

**1122103 CONT SAT WX**  
Housings for extension modules

Housing for module LCD W - Dimensions (LxHxW): 225 x 210 x 73 mm - Compatibility: cards INTWS

## BOXES FOR EXTENSION MODULES



BOX L



BOX M



DCP

Code Item - Features

### 1180257 **BOX L**

#### Polyvalent metal housing

Metal housing for expansion - Dimensions (LxHxW): 330 x 419 x 106 mm - Battery: up to 17 Ah - Compatibility: XSAT36. **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

### 1180258 **BOX M**

#### Polyvalent metal housing

Metal housing for expansion - Dimensions of housing (LxHxW): 278 x 304 x 109 mm - Battery: up to 12 Ah - Compatibility: XSAT36. **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

### 1188102 **DCP**

#### Wall spacers for housings, control panels, power unit

N° 4 ABS spacers - Dimensions (DxD): 25 x 13 mm - Compatibility: metal and ABS housings

## SERIAL AMPLIFIERS - POWER SUPPLY PARTITORS - RELAY MODULES



### 1143116 **AMPLIBUS**

#### Insulator and serial RS485 amplifier

The AMPLIBUS module allows to isolate and amplify the serial line RS485, doubling the maximum length of the serial line - Available serial lines: 1 on input and 2 serials on output of 600 m - Supplying tension : 13,8 Vdc - Max consumption: 30mA - Dimensions (LxH): 80 x 55 mm - Compatibility: AVS Electronics RS485 serial bus not in HIGH SPEED mode.



### 1180227 **PRO BUS**

#### Serial RS485 protection module

The PRO BUS module offers greater protection of the RS 485 serial bus from voltage transients, caused by lightning or voltage fluctuations. Recommended for use in photovoltaic sites or large industrial plants. Available serials bus: n ° 1 serial bus input / n ° 1 serial bus output - Power supply: 13.8 Vdc - Maximum consumption: 0 mA - Dimensions (LxHxP): 45 x 40 x 20 mm - Compatibility: AVS Electronics RS485 serial bus.



### 1120103 **MR 4**

#### 4 Relais module

4 exchange relays - Connection: terminal blocks/flat cable - Dimensions (LxHxD): 85 x 50 x 30 mm - Compatibility: UNIVERSAL - **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**



### 1120104 **MR 8**

#### 8-Relay module

8 exchange relays - Connection: terminal blocks/flat cable - Dimensions (LxHxD): 90 x 75 x 30 mm - Compatibility: UNIVERSAL - **IMQ-INCERT EN 50131 Grade 2 CERTIFICATION**

### 1134111 **MC01**

#### Analysis module for switch alarms

Analysis card for quick contacts, switch alarms and inertial sensors - Impulse control with trimmer switch - Dimensions (LxHxW): 45x35x15 mm - Compatibility: UNIVERSAL



## PRESIDIUM PLUS

### Centralisation software with graphical maps

PRESIDIUM PLUS is a centralisation software with graphical maps.

The software is compatible with the AVS range of control panels, connected via a LAN - TCP-IP local network, in the Cloud or via an ADSL line.

PRESIDIUM PLUS enables management of the intrusion detection system, visualizing and interacting with zones, sectors, and outputs, and communicating real-time system status changes using an audio voice synthesizer.

PRESIDIUM PLUS can play back and record images from IP cameras (RTSP ONVIF, MJPEG) connected to the network in TCP-IP.

PRESIDIUM PLUS comes with several activation licenses chosen according to the number of installations to be connected (1-50-100-250 installations).

Compatibility: AVS control panels range (with EWEB PLUS - EWEB WiFi – EWEB VIDEO boards installed)

System requirements: Windows® 8 - 8.1 - 10 - 11

**Note:** ® the above trademarks belong to their respective owners

## SOFTWARE LICENSES PRESIDIUM PLUS

### Software licenses

<b>1104226</b>	LIC-PRESIDIUM PLUS PC 50	License for PC software, version up to 50 connections
<b>1104227</b>	LIC-PRESIDIUM PLUS PC 100	License for PC software, version up to 100 connections
<b>1104228</b>	LIC-PRESIDIUM PLUS PC 250	License for PC software, version up to 250 connections
<b>1104230</b>	LIC-PRESIDIUM PLUS PC DEMO	DEMO 30 gg license for PC software

## CONTROL PANEL CONNECTION LICENSES

### Control panel connection licenses

<b>1104229</b>	LIC-PRESIDIUM PLUS 1 DEMO PANEL	License for control panels connection (one for each connected control panel)
<b>1104231</b>	LIC-PRESIDIUM PLUS 1 DEMO PANEL	DEMO 30 gg license for control panels connection (one for each connected control panel)

## PROGRAMMING SOFTWARE FOR PSIM PLATFORM

Code Item - Features



### 1104234 LIC-GENETEC-GSC

#### AVS license for Genetec platform integration

##### **New plug-in for integrating ULTRA series control panels into systems using Genetec supervision software.**

The Genetec software allows the direct import of ULTRA systems via a configuration file generated by the BIOS software. This makes it possible to upload all significant alarm system data (zones, partitions, outputs, strings, etc.) into the Genetec platform and present them to the operator in the simplest and most immediate way.

Management of AVS systems is therefore fully integrated into the Genetec system's logic and interface.

The integration requires the purchase of two licenses:

- GENETEC license – to be purchased on the GENETEC website.
- AVS license – to be purchased from AVS (directly or through a distributor).

## PROGRAMMING SOFTWARE AND EVENT RECEPTION, MODEM



### 1104101 WINREC

#### Event reception software

##### **EVENT RECEPTION**

Remote event reception with PSTN e TCP-IP connection - IP protocols : CONTACT ID, SIA - Protocols with PSTN MODEM: CONTACT ID, SIA, SIA HAYES, FAST PROGRAMMING - Control panel software programming with XS40U interface or AVS MODEM - Compatibility: CONCORDE/ADVANCE 88 - Compatibility modem: XM40 Plus - XM40 - XS40U

**System data:** Windows® - XP SP2® - VISTA® - Windows 7, Windows 8, Windows 10

NOTE: ® the above trademarks belong to their respective owners

### 1104123 LIC-WINREC

#### User license for WINREC software

User license that allows the activation of the events reception program included in WINREC software



## VIGILANT SOFTWARE

### IP and wireless video verification software for Central Monitoring Station

Vigilant SOFTWARE is the advanced software dedicated to Central Monitoring Stations and for users that have or need an internal monitoring workstation. Vigilant SOFTWARE allows you to receive on one or more PC workstations AVS Electronics video alarm systems that are logged in the MYAVSALARM CLOUD and MYAVSALARM APP PREMIUM.

**Features:** Quick visualization of the video alarms received - Account information with system data - Multilanguage programming console - Search customer filter - Automatic archive deleting management - Customer account block - Automatic software update - System requirements: Windows® XP - SP2 - VISTA - Windows® 7- 8 – 10 - Compatibility: EWEB PLUS VIDEO board with IP cameras – JET PA WS4 VIDEO, JET PA WS4 VIDEO PRO, SPECTRUM DT WS4 AM VIDEO, ULTRA/XSTREAM/CAPTURE/RAPTOR control panels (no LC)

**Conditions:** subscription based software; for info and costs please contact AVS Electronics.

Vigilant SOFTWARE is also available in SERVER version. This tool allows the monitoring station to develop and integrate autonomously video verification files on their event system.

## COMPATIBILITY CHART FOR CONTROL PANELS & ACCESSORIES

PRODUCTS	ULTRA 32	ULTRA 64	ULTRA 128	ULTRA 1000	CAPTURE	RAPTOR R - RK	RAPTOR R LC RK LC
<b>KEYPADS</b>							
A300 - A300 PLUS	.	.	.	.	.	.	.
A600 EVO - A600 EVO PLUS	.	.	.	.	.	.	.
A500 - A500 PLUS – A500 CARBON	.	.	.	.	.	.	.
ICE – ICE BL	.	.	.	.	.	.	.
T8 - T10	.	.	.	.	.	.	.
<b>WIRELESS AND WIRED EXTENSION MODULE</b>							
XEXP 8	.	.	.	.	.	.	.
XSAT 2	.	.	.	.	.	.	.
XSAT 8	.	.	.	.	.	.	.
XSAT 36	.	.	.	.	.	.	.
XSAT MINI	.	.	.	.	.	.	.
XSAT HP MINI	.	.	.	.	.	.	.
XSAT HP	.	.	.	.	.	.	.
XSAT WS 4 PRO	.	.	.	.	.	.	.
XSAT WS 4 VIDEO	.	.	.	.	.	.	.
C8	.	.	.	.	.	.	.
AMPLIBUS	.	.	.	.	.	.	.
RVS (video repeater)	.	.	.	.	.	.	.
EXPRS485 U	.	.	.	.	.	.	.
<b>VOCAL MODULES</b>							
DIGIVOC ENO U	.	.	.	.	.	.	.
XSINT	.	.	.	.	.	.	.
<b>PSTN / GSM MODULES</b>							
XGSM – XGSM 4G	.	.	.	.	.	.	.
GSM 4G U (VoLTE only with Ultra)	.	.	.	.	.	.	.
XGSM485 4G – XGSM485PRO 4G	.	.	.	.	.	.	.
PSTN U	.	.	.	.	.	.	.
PSTN B	.	.	.	.	.	.	.
<b>RS485 POWER SUPPLIES</b>							
XSATPW 3/5/Q	.	.	.	.	.	.	.
POWER 3/5/Q	.	.	.	.	.	.	.
PWCPT	.	.	.	.	.	.	.
PWCPTM	.	.	.	.	.	.	.
<b>POWER SUPPLIES &amp; BOXES</b>							
ULTRA PW S (CONTEN. + ALIM. 25W-1,7A)	.	.	.	.	.	.	.
ULTRA PW M (CONTEN.+ ALIM. 50W-3,4A)	.	.	.	.	.	.	.
ULTRA PW L (CONTEN. + ALIM. 50W-3,4A)	.	.	.	.	.	.	.
ULTRA PW XL (CONTEN.+ ALIM. 75W-5A)	.	.	.	.	.	.	.
<b>PROXIMITY KEYS AND READERS</b>							
RS	.	.	.	.	.	.	.
TOUCH	.	.	.	.	.	.	.
RS KS	.	.	.	.	.	.	.
<b>TCP - IP MODULES - RS232 - WEB SERVER - MOBILE APP - GATEWAY</b>							
EWEB PLUS / EWEB PLUS VIDEO	.	.	.	.	.	.	.
EWEB PLUS B / EWEB PLUS VIDEO B	.	.	.	.	.	.	.
EWEB WIFI II	.	.	.	.	.	.	.
EWEB WIFI II B	.	.	.	.	.	.	.
<b>REMOTE MANAGEMENT AND C.M.S. SOFTWARE</b>							
WINREC (solo ricezione eventi)	.	.	.	.	.	.	.
XWIN	.	.	.	.	.	.	.
BIOS	.	.	.	.	.	.	.
PRESIDIUM PLUS	.	.	.	.	.	.	.
XUSER e LIC-XUSER	.	.	.	.	.	.	.
LIC-PRESIDIUM PC 50-100-250 / LIC-PRESIDIUM 1 PANEL	.	.	.	.	.	.	.

**ATTENTION:** the list is indicative and it might change without notice.

For further information, please contact our technical support: **tel. +39 049 9698444 - mail: support@avselectronics.it**



# AVS APP gives you all the safety and freedom you desire.



MyAVSAlarm is the exclusive App for Tablet and Smartphone developed for the end-user. Connected to the AVS Cloud, the App controls easily and intuitively your control panel, everywhere and at any time.

The AVS APP gives you all the security and freedom you desire. MyAVS Alarm is available in a FREE version (light version) and in a Premium subscription - info on [www.myavsalarm.com](http://www.myavsalarm.com)



MyAVSAlarm



## MYAVSALARM PREMIUM CARD

1104124 **1-YEAR PREMIUM SUBSCRIPTION CARD**

1104125 **1-YEAR ADDITIONAL DEVICE CARD**

The card contains an activation code to enable the 1-year PREMIUM SUBSCRIPTION or 1-year ADDITIONAL DEVICE in a very simple and quick way.



# MAKE YOUR ENVIRONMENTS SMART WITH AVS HOME AUTOMATION



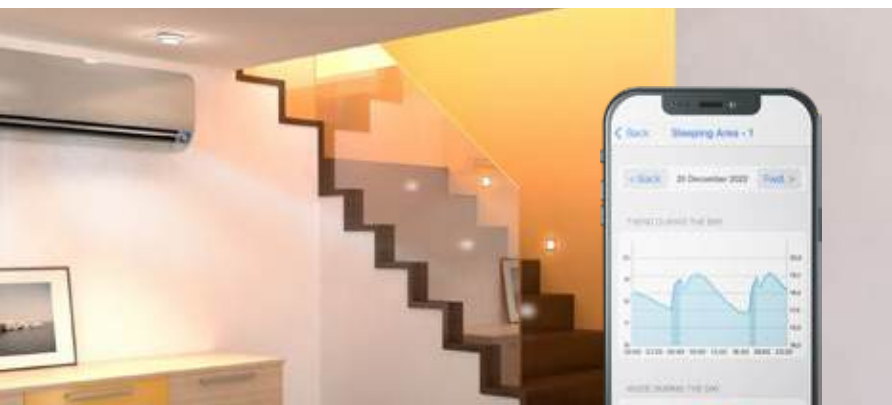
## ORGANIZE OVERLOAD PRIORITIES

Through the APP you can **choose which appliances to keep running** in case of energy overload.

## Electrical consumption monitoring

Graphic display of consumption on the APP, representing daily, weekly, monthly and annual trend. Creation of monthly PDF reports available on the App and/or sent by email.

*Control by APP*



## SET-UP AND MANAGE TEMPERATURE

You can control your own comfort, schedule days and times, **monitor the temperature in real time for each single room or environment.** The APP displays graphically the temperature of every room.

*Control by APP*



## COMMAND MOTORIZED DEVICES

You can control **motorized indoor or outdoor blinds, shutters, rolling shutters, gates and other motorized systems** wherever you are via the APP or locally with a remote control.

*Control by APP / Remote Control BIP 4 PLUS - ZEN 4 PLUS BLACK*



## CONTROL AND MANAGE LIGHTING

You can **turn the lights on, off**, dim them and create **automated scenarios** for every moment of your day, anytime via the APP or locally with a remote control.

*Control by APP / Remote Control BIP 4 PLUS - ZEN 4 PLUS BLACK*



Code Item - Features



1120136 **MDS 201**

**Wireless 1 relay home automation module**

**Wireless module with one 10A output. It allows turning on or off any electrical device having 230 VAC power supply. The module can be controlled by AVS control panels by APP or by a remote control in stand-alone mode. It also allows electric loads management and environmental temperature measurement through the temperature probe cod. ST015 (optional).**

**Technical data:** One relay home automation module with load management - 10A / 250VAC output (cos  $\phi = 1$ ) - Pulse or Bistable output - AC or DC power supply (100-250VAC, 50 / 60Hz, 24 -40VDC) - Output power: 2300W (230VAC) / 240W (24VDC) - 3 inputs (type: push button or 2 way-switch) for local control (n°1) or to send radio commands to the control panel (n°2) - 1 input for temperature probe (optional) - Integrated electrical power, voltage and current meter - Monitoring of anomaly conditions and disconnection in case of overload - Can be controlled locally by dedicated input, remotely by APP, from keypad or with AVS remote controls (max 8) - Thermostat function - Load release function with priority managed by the user.

**ELECTRICAL PROTECTION: for the best electrical protection, connect the fuse to the module cod. 1187111**

**Wireless features:** Application: indoor - Frequency: FM 868 MHz - multi frequency - Bidirectional - Radio coverage: up to 700 m in open field - Integrated radio repeater function - Data sent: Output State - Inputs state - Environmental temperature (0,1°C with optional probe) - Integrated electrical power, voltage and current meter - self test - Module type - Easy programming: self-learning on CP - Module parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - Dimensions (LxHxD): 44 x 39 x 20 mm - Compatibility: RAPTOR control panels / CAPTURE / ULTRA / XTREAM with XSAT WS4, XSAT WS4 PRO, XSAT WS4 VIDEO.



1120137 **MDS 202**

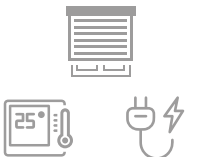
**Wireless 2 relays home automation module**

**Wireless module with 2 outputs, 4A each. It allows turning on or off any electrical device having 230 VAC power supply. The module can be controlled by AVS control panels by APP or by a remote control in stand-alone mode. It also allows electric loads management and environmental temperature measurement through the temperature probe ST015 (optional).**

**Technical data:** Two relays smart home automation module with load management - n°2 4A / 250VAC outputs (cos  $\phi = 1$ ) - Pulse or Bistable output - AC or DC power supply (100-250VAC, 50 / 60Hz, 24 -40VDC) - Output power: 2x920W (230VAC) / 2x96W (24VDC) - 1 input (type: push button or 2 way-switch) for local control - 1 input for temperature probe (optional) - Integrated electrical power, voltage and current meter (only for 1 output) - Monitoring of anomaly conditions and disconnection in case of overload - Can be controlled locally by dedicated input, remotely by APP, from keypad or with AVS remote controls (max 8) - Thermostat function - Load release function with priority managed by the user.

**ELECTRICAL PROTECTION: for the best electrical protection, connect the fuse to the module cod. 1187111**

**Wireless features:** see MDS 201 module.



1120138 **MDR 201**

**Wireless rolling shutter home automation module (Module + 2 Snubber)**

**Wireless roller shutter home automation module that allows to control rollers, venetians blinds, blind motors, having 230 VAC power supply, with electric loads management and environmental temperature measurement through the temperature probe cod. ST015 (optional). The module can be controlled by AVS control panels, by APP or by a remote control in stand-alone mode.**

**Technical data:** Rolling shutter module with load management and automatic calibration of the limit switch n°2 4A / 250VAC outputs (cos  $\phi = 1$ ) - Pulse or Bistable output - AC or DC power supply (100-250VAC, 50 / 60Hz, 24 - 40VDC) - Output power: 2x920W (230VAC) / 2x96W (24VDC) - 1 input (type: push button or 2 way-switch) for local control - 1 input for temperature probe (optional) - Integrated electrical power, voltage and current meter - Monitoring of anomaly conditions and disconnection in case of overload - Can be controlled locally by dedicated input, remotely by APP, from keypad or with AVS remote controls (max 8) - Thermostat function - Load release function with priority managed by the user.

**ELECTRICAL PROTECTION: for the best electrical protection, connect the fuse to the module cod. 1187112**

**Wireless features:** see MDS 201 module



1120139 **MDD 201**

**Wireless dimmer home automation module**

**Wireless module with dimmer function to set and manage lights in gradual mode. It also allows electric loads management and environmental temperature measurement through the temperature probe ST015 (optional). The module can be controlled by AVS control panels by APP or by a remote control in stand-alone mode.**

**Technical data:** Dimmer module with load management - 1A / 250VAC output (cos $\phi = 1$ ) - Pulse or Bistable output - AC or DC power supply (100-250VAC, 50 / 60Hz, 24 -40VDC) - Output power: 230W (230VAC) / 36W (36VDC) - 1 input (type: push button or 2 way-switch) for local control (n°1) or to send radio commands to the control panel (n°1) - 1 input for temperature probe (optional) - Integrated electrical power, voltage and current meter - Monitoring of anomaly conditions and disconnection in case of overload - Can be controlled locally by dedicated input, remotely by APP from keypad or with AVS remote control (max 8) - Thermostat function - Load release function with priority managed by the user.

**ELECTRICAL PROTECTION: for the best electrical protection, connect the fuse to the module cod. 1187113**

**Wireless features:** see MDS 201 module

## WIRELESS HOME AUTOMATION MODULES FOR AVS CONTROL PANELS

Code Item - Features



### 1121121 MDC 200

#### Home automation module for monitoring loads and reading energy consumption

**Home automation module with current clamp** - AC power supply (100-250VAC, 50 / 60Hz) - Maximum measurable current 30A / 250VAC - Maximum measurable power 6900W (230Ac) / 3300 (110VAc) - Instant measurement of absorbed power - Periodic communication of energy consumed by the APP - Data storage in CLOUD - Graphic display of consumption on the APP representing daily, weekly, monthly and annual trend - The user can customize time slots according to his supplier - PREMIUM APP: setting of a spending threshold by sending a notification when exceeding - setting of a consumption threshold/hour by sending a notification when exceeding - creation of monthly PDF reports available on the App and/or sent by email - Statistics for the current week, month, year and previous years - 1 Input for optional thermal probe - Thermostat function - Load release function with priority managed by the user. Monitoring and consumption of renewable sources (e.g. photovoltaic, wind power, etc.)

**Dimensions (LxHxD):** 81 x 77 x 35 mm - supplied with DIN bar supports. **Wireless features:** see MDS 201 module

## OUTPUTS EXTENSION MODULE ON BUS



### 1120141 MR4 PW

#### Outputs extension module 4 outputs on BUS RS485

Outputs: 4 – Relay contact 4A/250VAC for single relay with 8A maximum - Bus connection: RS485 - Supply voltage: 13.8 Vdc 100 mA – Dimensions (LxHxD): 81 x 77 x 35 mm – Supplied with DIN bar supports - Compatible with control panels: CAPTURE 8/16/32/64/128 - RAPTOR - XTREAM - ULTRA

## ACCESSORIES FOR WIRELESS HOME AUTOMATION MODULES



MST 015

### 1120140 MST 015

#### Temperature probe with 15 meter cable

The temperature probe can be connected to any wireless home automation module of MD series. It allows the remote measurement of environmental temperature, the temperature of an object's surface or of a pipe. It is supplied with a 15 cm connection cable and a connector to connect it directly to a module of the MD series. The probe detects temperatures between -25°C and +80°C. Thanks to the module, it is possible to define automation scenarios by setting the temperature thresholds.

**Technical data:** Temperatures from - 25° C up to + 80° C - Color: white - Probe cable length ~ 15 cm - Compatibility: smart home wireless modules.

### 1120148 MST 100

NEW

#### Temperature probe with 1 meter cable

Same technical data of MST 015 but with 1 meter cable.

### 1187111 FMDS

#### Fuse holder with replaceable fuse for smart home wireless modules MDS 201/MDS 202 – pack of 5 pcs

Slow blow fuse 12A 250VAC - Breaking Capacity 1500A - Pack of 5 pcs - Compatibility: wireless modules MDS 201 - MDS202 - Dimensions: 5x20 mm.

For the best electrical protection, connect the fuse to the module.

### 1187112 FMDR

#### Fuse holder with replaceable fuse for smart home wireless modules MDR 201 – pack of 5 pcs

Slow blow fuse 5A 250VAC - Breaking Capacity 1500A - Pack of 5 pcs - Compatibility: wireless modules MDR 201 - Dimensions: 5x20 mm.

For the best electrical protection, connect the fuse to the module.

### 1187113 FMDD

#### Fuse holder with replaceable fuse for smart home wireless modules MDD 201 – pack of 5 pcs

Slow blow fuse 1,5A 250VAC - Breaking Capacity 1500A - Pack of 5 pcs - Compatibility: wireless modules MDD 201 - Dimensions: 5x20 mm.

For the best electrical protection, connect the fuse to the module.

### 1187114 SNUBBER

#### Spark killer for roller shutter and dimmer wireless modules. Pack of 5 pcs.

FMDS  
FMDR  
FMDD

SNUBBER



Code Item - Features

1120149 **MDS 402-RS****RS485 home automation module - 2 relè / 5 Inputs**

**RS485 serial home automation module with two 12A outputs and temperature control, allowing management of any electrical device powered by 12 VDC. The module can be controlled via AVS control panels and the MyAVSAlarm app.**

**Technical data:** home automation module with two relays – output 12A / 250VAC ( $\cos \phi = 1$ ) - pulse or steady-state output - DC power supply (12 VDC) - protected auxiliary 12V power output with 160mA PTC - output power: 2 × 3000W (250VAC) or 2 × 290W (24VDC) - 2 low-voltage inputs for local control of outputs (type: push button or switch) - 3 low-voltage alarm inputs: 2 balanced, 1 for rope or inertia contacts - fault condition monitoring - can be controlled locally via dedicated input, remotely via app, or from the keypad - load-shedding function with user-managed priority

**Features:** Use: indoor - DIN rail installation - Simplified programming - Operating parameters configurable directly from the control panel or via PC - Power consumption: 10/80mA - Dimensions (DxWxH): 33 × 54 × 100 mm - Compatibility: ULTRA control panels

1120150 **MDR 401-RS****RS485 home automation module for roller shutters**

**RS485 serial home automation module with 2 interlocked 12 A outputs and temperature control, capable of managing any electrical device powered by 12 VDC. The module can be controlled via AVS control panels and the MyAVSAlarm app.**

**Technical data:** home automation module with 2 interlocked relays - output: 12 A / 250 VAC ( $\cos \phi = 1$ ) – impulsive or steady-state output - DC power supply (12 VDC) - protected auxiliary 12V power output with 160mA PTC - output power: 2 × 3000 W (250 VAC) or 2 × 290 W (24 VDC) - 2 low-voltage inputs for local shutter control (e.g., push button) - 3 low-voltage alarm inputs: 2 balanced, 1 for rope or inertial contacts - fault condition monitoring - can be controlled locally via dedicated input, remotely via app, or from keypad - load shedding function with user-managed priority

**Features:** Use: indoor - DIN rail installation - Simplified programming - Operating parameters configurable directly from the control panel or via PC - Auto-calibration function - Adjustable louvered shutter control - Power consumption: 10–80 mA - Dimensions (DxWxH): 33 × 54 × 100 mm - Compatibility: ULTRA control panels

1120151 **MDD 401-RS****RS485 smart dimmer module with 4 inputs (Up & Down) and 2 analog 0–10 V outputs**

**RS485 serial home automation module with dimmer function – 2 independent and isolated 0–10 V outputs with temperature control, powered by 12 VDC. The module can be controlled via AVS control panels and the MyAVSAlarm app.**

**Technical data:** home automation module with 2 independent and isolated outputs - 2 × 0–10 V outputs - DC power supply 12 VDC - 4 low-voltage inputs for local control of the 2 outputs (e.g., push button) - 1 balanced low-voltage alarm input - fault condition monitoring - can be controlled locally via dedicated inputs, remotely via app, or from keypad - load shedding function with user-defined priority

**Features:** Use: indoor - DIN rail installation - Simplified programming - Operating parameters configurable directly from the control panel or via PC - Power consumption: 10–30 mA Dimensions (DxWxH): 33 × 54 × 100 mm - Compatibility: ULTRA control panels

9099149 **MDS 404-RS WT DIN****RS485 home automation module – 4 relays / 6 inputs on DIN rail**

**RS485 ModBus serial home automation module for DIN Rail – for managing inputs and outputs. The module can be controlled via AVS control panels and the MyAVSAlarm app.**

**Technical data:** analog outputs - DC power supply: 12 VDC - output power: 12 A - fault condition monitoring - can be controlled locally via dedicated input, remotely via app, or from keypad - load shedding function with user-defined priority

**Features:** Use: indoor - DIN rail installation, 2 modules - Connections: removable screw terminals - Simplified programming - Operating parameters configurable directly from the control panel or via PC - Dimensions (DxWxH): 66 × 38 × 113 mm - Compatibility: ULTRA control panels

# The ultimate comfort in any environment.



Code Item - Features

9099148 **MDT 400-RS WT WHITE**

**Chronothermostat with 1 analog 0-10 V output - color white**

**MDT 400-RS is the new room chronothermostat with a 3.5" capacitive touch display.**

It features a humidity sensor and RS485 ModBus serial communication compatible with the ULTRA control panel. Intuitive and highly accurate, it allows efficient local temperature control and regulation, synchronized with the MyAVSAlarm app and T8-T10 keypads.

**Technical specifications:** Analog output: 0-10 V - Continuous power supply: 12 VDC - Analog output power: 40 mA - 8 daily time slots programmable - Supports 3- and 4-speed fan-coil management



9099150 **MDT 400-RS WT BLACK**

**Chronothermostat with 1 analog 0-10 V output - color black**

Same features as the MDT 400-RS WT WHITE model, but in black color.





# Raptor: the **bidirectional wireless system**, complete, flexible and easy to install.

Raptor is the modular and flexible range of bidirectional wireless control panels, suitable to any installations, from small to medium plants. Designed to be a simple yet highly performing control panel, Raptor is plug & play thanks to an easy and simple programming: just acquire the detectors, the remote controls and install the SIM Card and Raptor is ready to use.



Raptor is IMQ certified, completely designed and produced in Italy and has an elegant design. It guarantees at any moment a safe protection of your home and your business, thanks to the wide range of wireless indoor and outdoor devices available. With the integrated GSM communication module or IP (optional), Raptor allows the end-user total remote management with the MyAVSAlarm App. A vocal guide **ASSC** (Advanced Speech Synthesis Communication) also allows to send precise alarm, fault or system status messages.



- 

**Home Automation**
- +
- 

**Video Verification**
- +
- 

**My AVS Cloud**
- +
- 

**Burglar Alarm**



**MY AVS ALARM** is the App developed for the **end-user**, connected to the AVS Cloud. Control easily and intuitively your control panel, from everywhere and at any time you desire.

**MY AVS MANAGER** is the APP developed for **the installer** that allows professionals to program and configure, in CLOUD, RAPTOR range of bidirectional wireless control panels.



RESIDENTIAL



SHOPS



OFFICES

## KIT BIDIRECTIONAL WIRELESS CONTROL PANELS - POWER SUPPLY 220 VAC

Code Item - Features



### 1190186 KIT RAPTOR RK BASIC M + APP

Kit bidirectional wireless with Raptor RK control panel - embedded GSM/GPRS + CARD PREMIUM 1 YEAR

Kit made of:

- n°1 control panel RAPTOR RK
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI
- + CARD PREMIUM 1 YEAR



### 1190187 KIT RAPTOR R BASIC M + APP

Kit bidirectional wireless with Raptor R control panel - embedded GSM/GPRS + CARD PREMIUM 1 YEAR

Kit made of:

- n°1 control panel RAPTOR R
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI
- + CARD PREMIUM 1 YEAR

## KIT BIDIRECTIONAL WIRELESS CONTROL PANELS - 4G TECHNOLOGY



### 1190188 KIT RAPTOR RK 4G BASIC M + APP

Bidirectional wireless Kit - Raptor RK 4G control panel on network LTE/4G + CARD PREMIUM 1 YEAR

Same KIT RAPTOR RK BASIC features on network 2G/3G/LTE/4G. Kit made of:

- n°1 control panel RAPTOR RK 4G
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI
- + CARD PREMIUM 1 YEAR

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**



### 1190189 KIT RAPTOR R 4G BASIC M + APP

Bidirectional wireless Kit - Raptor R 4G control panel on network LTE/4G + CARD PREMIUM 1 YEAR

Same KIT RAPTOR R BASIC features on network 2G/3G/LTE/4G. Kit made of:

- n°1 control panel RAPTOR R 4G
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI
- + CARD PREMIUM 1 YEAR

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

## KIT BIDIRECTIONAL WIRELESS CONTROL PANELS - 4G TECHNOLOGY

Code Item - Features



### 1190190 KIT RAPTOR RK LC 4G BASIC M

Bidirectional wireless Kit - Raptor RK LC 4G control panel on network LTE/4G

Kit made of:

- n°1 control panel RAPTOR RK LC 4G
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 1**



### 1190191 KIT RAPTOR R LC 4G BASIC M

Bidirectional wireless Kit - Raptor R LC 4G control panel on network LTE/4G

Kit made of:

- n°1 control panel RAPTOR R LC 4G
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PA WS4
- n°1 wireless magnetic contact WIC4 MINI

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 1**

## BIDIRECTIONAL WIRELESS CONTROL PANELS - POWER SUPPLY 220 VAC



### 1102110 RAPTOR RK

Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered + CARD PREMIUM 1 YEAR



Bidirectional wireless system GFSK FM 868 MHz with: Automatic change of the frequency (AFC) - Automatic Power reduction (ALP) - Dynamic power transmission (DPT) - Remote digital setting (RDS) - Remote operation confirmation on remote control or remote status system request. Wireless zones: up to 125 – 2 Input NC, NO, balanced 1R/2R, switch alarm, inertial, up to 10 serial expansion modules - Zone mapping – Zone Expansion on RS485 Bus - Areas/sectors: 8 with 4 arming mode each + 64 scenarios - Integrated indoor siren - Wireless sirens: up to 8 sirens WS 4 – Serial sirens connectable on RS 485 bus: up to 8 sirens HP - Output: 1 free exchange relay, 2 open collector on panel terminal block, 10 with serial expansion - Touch screen integrated keypad – Wireless keypads connectable: up to 4 - Wired keypads: up to 7 of series ICE, A500 – Proximity readers: Integrated on the control panel, up to 7 keypads – Proximity readers on RS485 Bus: Up to 8 RS KS readers – Codes & keys : 125 user codes, 125 emergency codes, 125 remote controls, 125 Tags/Badges – System configuration: by keypad or with XWIN software – USB Port for system configuration and system upgrading – In Cloud with APP MY AVS MANAGER - Serial Bus RS485: n°1 bus RS485 supervised – Embedded GSM/GPRS Communicator: send and receive SMS, digital protocols, vocal messages to max 16 numbers, APP connection Via GPRS - GSM/GPRS communicator on RS485 serial bus : XGSM485/PRO – Optional phone communicator: optional - ETHERNET TCP-IP board, WEB SERVER and App MYAVSALARM: optional EWEB PLUS B, EWEB Wi-Fi B – Vocal synthesis and audio output: embedded with more than 300 customizable words. The guided HELP, available in the control panel, on the keypads ICE, A500 PLUS and A600 EVO PLUS and in RTC connection, allows system management with voice messages. – Integrated time programmer with 16 daily functions with bank holidays management – Event buffer memory: 500 events – power supply: Switching 14.5 Vdc 1 A Battery 12 Vdc 2.3 Ah - Dimensions: ABS case – 247 x 232 x 55 mm (LxHxD)

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**



### 1102128 RAPTOR RK 4G

Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered on network LTE/4G + CARD PREMIUM 1 YEAR

Same RAPTOR RK features on network 2G/3G/LTE/4G.

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

Code Item - Features



**1102113 RAPTOR R**

**Wireless control panel - 125 zones 220 Ac powered + CARD PREMIUM 1 YEAR**

Bidirectional wireless system GFSK FM 868 MHz with: Automatic change of the frequency (AFC) - Automatic Power reduction (ALP) - Dynamic power transmission (DPT) - Remote digital setting (RDS) - Remote operation confirmation on remote control or remote status system request. Wireless zones : up to 125 – 2 Input NC, NO, balanced 1R/2R, switch alarm, inertial, up to 10 serial expansion modules - Zone mapping – Zone Expansion on RS485 Bus - Areas/sectors: 8 with 4 arming mode each + 64 scenarios - Integrated indoor siren - Wireless sirens: up to 8 sirens WS 4 – Serial sirens connectable on RS 485 bus: up to 8 sirens HP - Output: 1 free exchange relay , 2 open collector on panel terminal block, 10 with serial expansion - Wireless keypads connectable: up to 4 - Wired keypads: up to 7 of series. ICE, A500 – Proximity readers: Integrated on the control panel, up to 7 keypads – Proximity readers on RS485 Bus: Up to 8 RS KS readers – Codes & keys : 125 user codes, 125 emergency codes, 125 remote controls, 125 Tags/Badges – System configuration: by keypad or with XWIN software – USB port for system configuration and system upgrading – In Cloud with APP MY AVS MANAGER - Serial Bus RS485: n°1 bus RS485 supervised – Embedded GSM/GPRS Communicator: send and receive SMS, digital protocols , vocal messages to max 16 numbers, APP connection Via GPRS - GSM/GPRS communicator on RS485 serial bus: XGSM485/PRO – Optional phone communicator: optional - ETHERNET TCP-IP board, WEB SERVER and App MYAVSALARM: optional EWEB PLUS B, EWEB Wi-Fi B – Vocal synthesis and audio output: embedded with more than 300 customizable words. The guided HELP, available in the control panel, on the keypads ICE, A500 PLUS and A600 EVO PLUS and in RTC connection, allows system management with voice messages. – Integrated time programmer with 16 daily functions with bank holidays management – Event buffer memory: 500 events – power supply: Switching 14.5 Vdc 1 A Battery 12 Vdc 2.3 Ah - Dimensions: ABS case – 247 x 232 x 55 mm (LxHxD)



**1102132 RAPTOR R 4G**

**Wireless control panel - 125 zones 220 Ac powered on network LTE/4G + CARD PREMIUM 1 YEAR**

Same RAPTOR R features on network 2G/3G/LTE/4G.  
**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

## WIRELESS CONTROL PANELS - BATTERY POWERED, ON NETWORK LTE/4G

Code Item - Features

4G



### 1102149 RAPTOR RK LC 4G

Wireless control panel - 125 zones – Embedded silicon keys keypad battery powered on network LTE/4G

Bidirectional wireless system GFSK FM 868 MHz with: - Automatic change of the frequency (AFC) - Automatic power reduction (ALP) - Dynamic power transmission (DPT) - Remote digital setting (RDS) - Remote operation confirmation on remote control or remote status system request. Wireless zones: up to 125 - Zone mapping - Wireless sirens: up to 2 sirens WS 4 – Wireless keypads connectable: up to 4 – Proximity readers: integrated on the control panel, up to 7 keypads – Codes & keys: 125 user codes, 125 emergency codes, system configuration: by keypad or with XWIN software – USB port for system configuration and system upgrading – in Cloud with APP MY AVS MANAGER - Embedded GSM/GPRS/4G communicator: send and receive SMS, digital protocols, vocal messages to max 16 numbers, optional phone communicator PSTN – Vocal synthesis and audio output: embedded with more than 300 customizable words. The guided HELP available in the control panel, on the keypads ICE, A500 PLUS and A600 EVO PLUS and in RTC connection, allows system management with voice messages. – Integrated time programmer with 16 daily functions with bank holidays management – Event buffer memory: 500 events – powered by alkaline batteries – 6X1,5 D LR20 - Dimensions: ABS case – 247 x 232 x 55 mm (LxHxD)

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 1**

4G



### 1102150 RAPTOR R LC 4G

Wireless control panel - 125 zones – Battery powered on network LTE/4G

Same as RAPTOR RK LC 4G without keypad

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 1**

## RAPTOR SYSTEM DEMONSTRATION KIT

### 1190180 RAPTOR 4G SYSTEM DEMONSTRATION

Raptor 4G demo case

Shockproof high resistance PVC suitcase, guaranteed to protect and transport delicate equipment - black color - easy opening - shock resistant - safety catches - soft grip - Dimensions: 464 x 366 x H 176 mm - Weight: 5,5 Kg. - **IP Protection: 65**

**1102128** RAPTOR RK 4G Control panel 125 zones with remote management

**1112122** BIP 4 PLUS Bidirectional 8-channel remote control - white housing

**1131134** JET PA WS 4 Bidirectional wireless passive infrared detector with antimasking

**1131131** WIC4 Bidirectional wireless two-channels transmitter with magnetic contact - white housing

**1132144** ONE PA WS 4 Bidirectional wireless outdoor curtain detector

**1112108** CLIP Remote control support

4G



## REMOTE CONTROLS AND PROXIMITY KEYS

**BIP  
Plus**



BIP 4 PLUS  
BIP 4 PLUS C



Code      Item - Features

**1112122    BIP 4 PLUS**  
**Bidirectional 8-channel remote control - ivory housing**

**1112123    BIP 4 PLUS C**  
**Bidirectional 8-channel remote control - carbon look**

8-channel transmitter - 5 activation keys - TX functions: controls for arming/disarming, activation of outputs - RX functions: multi-colored system ON/OFF status LED - System ON/OFF buzzer FM 868 MHz - Multi frequency - Bidirectional - Range: up to 700 m. in open space - Power supply: 1 x 3V Lithium battery - Type 2032 - Color: Ivory - Dimensions (LxH): 85 x 35 mm - Compatibility: RAPTOR CONTROL PANEL, ULTRA, XTREAM with XSAT WS4 /XSAT WS4 PRO/ XSAT WS4 VIDE

**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1112134    ZEN 4 PLUS BLACK**  
**Bidirectional 4-channel remote control**

4-channel transmitter - 1 activation key - TX functions: on, off, output activations - RX function: 4 LEDs for on/off system status signaling - Frequency: FM 868 MHz - multifrequency - bidirectional - Range: up to 200 m. in open space - Power supply: 1 x 3V Lithium battery, Type 2032 - Color: black - Dimensions (LxH): 31 x 31 mm - Compatibility: RAPTOR control panels, ULTRA, XTREAM with XSAT WS4 /XSAT WS4 PRO/ XSAT WS4 VIDEO

**1112108    CLIP**  
**BIP 4 remote control support**

BIP4 remote controls support for wall mounting - Colour: Ivory

## BIDIRECTIONAL WIRELESS KEYPADS WITH INTEGRATED REPEATER



A500 WS4  
A500 PLUS WS4

**1113100    A500 WS4**  
**Bidirectional LCD wireless keypad, white colour**

Wireless bidirectional FM 868 MHz - 32 characters LCD display + 7 LEDs system status signal - repeater function up to 125 detectors (only if powered from the mains) for sirens and remote controls - dual power supply with ZB022 lithium battery and/or 13.8 Vdc with external power supply - n° 2 in/out terminals - Dimensions (LxHxP): 110 x 130 x 34 mm - Compatibility: RAPTOR - **CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1113104    A500 PLUS WS4**  
**Bidirectional LCD wireless keypad, with advanced functions, white colour**

Wireless bidirectional FM 868 MHz - 32 characters LCD display + 7 system status LEDs - integrated speech synthesis - integrated speaker - integrated microphone - NFC key reader - signal repeater function for up to 125 detectors (only if powered from the mains) for sirens and remote controls - double power supply with lithium battery ZB022 and/or 13.8 Vdc with external power supply - USB port for programming and firmware update - n° 2 terminals in/out - Cover: white colour - Dimensions (LxHxP): 110 x 130 x 34 mm - Compatibility: control panel RAPTOR - **CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

## BIDIRECTIONAL WIRELESS KEYPADS WITH INTEGRATED REPEATER

PW M



Code Item - Features

1106110 **PW M**

**Power supply for bidirectional wireless keypad**

Power supply for installation in junction box 503 - Output voltage 12 Vdc 1 A - Dimensions: 50 x 50 x 25 mm  
**Protection class: IP 67 - CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

## PSTN COMMUNICATION MODULE AND ZONES AND OUTPUTS EXTENSION MODULE



1183112 **RETROFIT 4G RAPTOR**

**GSM interface on 4G to convert a Raptor control panel from 2G to 4G**

Connection networks: 2G/3G/LTE/4G - Communication protocols: vocal, digital, TCP-IP - Sending and receiving of SMS messages - MY AVS ALARM Mobile App management - Connection: plug-in on the control panels - Compatibility: RAPTOR R – RAPTOR RK



1170125 **PSTN B**

**PSTN communicator for RAPTOR control panel**

Communication protocols: Fast, Contact ID, SIA, HAIES - Remote telephone control: Yes - Connection: PLUG-IN on control panel board - Consumption: 58mA - Dimensions (L xHxP): 60 x 120 x 25 mm - Compatibility: RAPTOR

1120125 **C8**

**Zones and outputs extension module**

Zones: 8 configurable as: NC, NO, 1 Resistor, 2 Resistors, switch alarms, inertial detectors - any input can be switched as an output - Bus connection: RS485 - Supply voltage: 13.8 Vdc 38 mA - Dimensions (LxH): 80x55 mm - Compatible with: CAPTURE 8/16/32/64/128 - RAPTOR - ULTRA  
**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

## NETWORK BOARD, WEB SERVER



1105133 **EWEB PLUS B**

**Optional board LAN/Ethernet and Web Server**

The interface of communication EWEB PLUS B allows the LAN connection with the control panels RAPTOR. The embedded Web Server allows to manage Raptor through a common Internet Browser, offering many features: - Real time status verification on a graphic map - On-off system, on-off output - Memory event control, diagnostics and zone exclusion - Email sending for alarm, on-off, fail - Mobile App management "MY AVS ALARM" - Simultaneous connection up to 4 users - Digital protocols via TCP-IP with data encryption AES128 bit - Management of the protocols VS-XLINK for other systems integration.

**INSTALLER FUNCTIONS:** Programming and firmware updating/upgrading of RAPTOR control panels through XWIN, using a LAN/WLAN connection or remote in ADSL or with the mobile APP MYAVSMANAGER, through the Cloud. - Dynamic DNS Management - LAN Port: RJ45, 10/100 Mbit/s - Compatibility: RAPTOR software XWIN and ELM  
**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**



1105134 **EWEB WIFI II B**

**WiFi and Web Server network board**

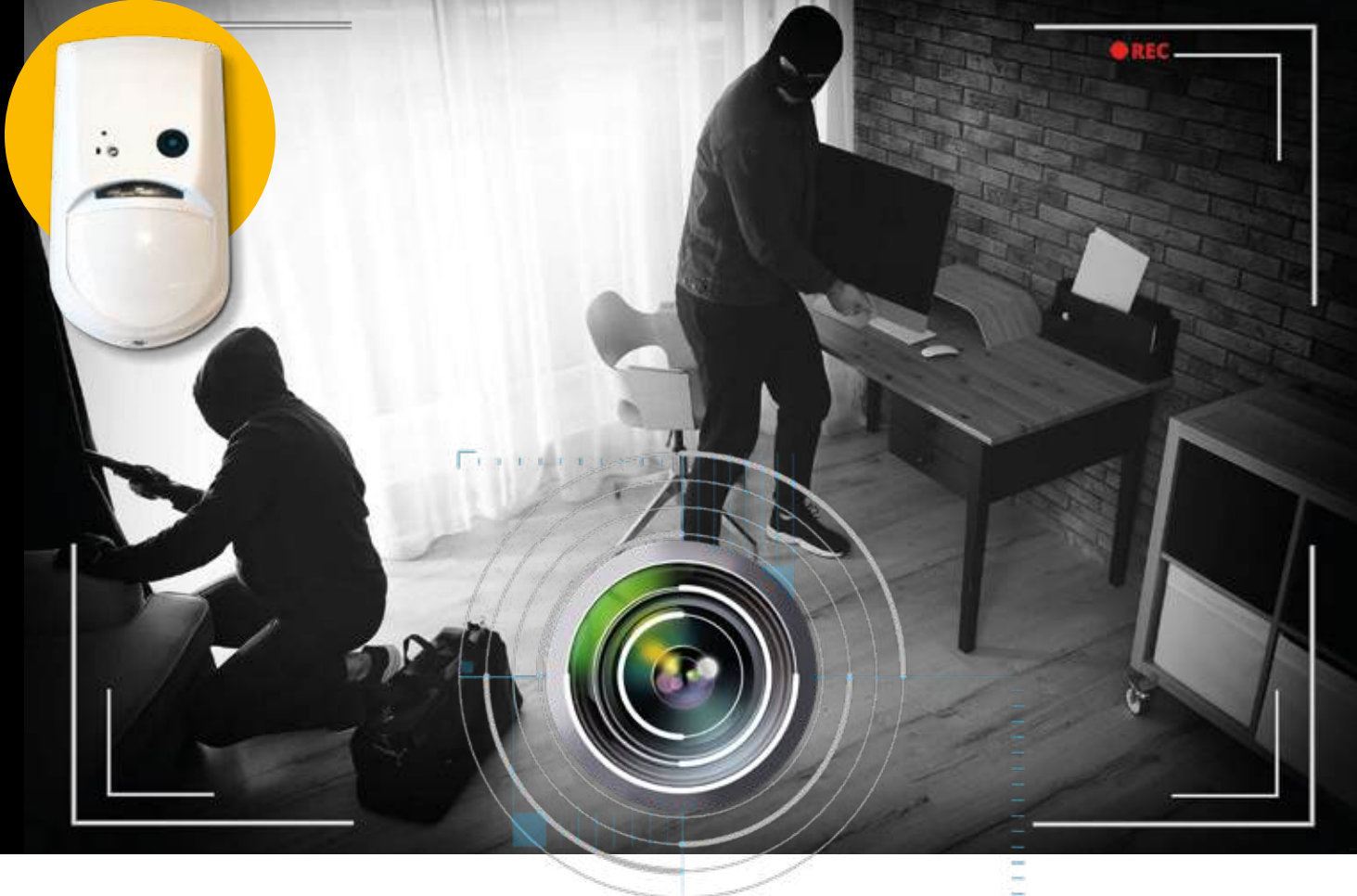
The communication interface EWEB WIFI II B allows the Wi-Fi connection with the control panels RAPTOR. Same features and functionalities of EWEB PLUS 2B - Compatibility Wi-Fi: 2,4 GHz 801.11 g/n

1105137 **EWEB PLUS B VIDEO**

**Optional board LAN/Ethernet with VIDEO**

Same features and functionalities of EWEB PLUS 2 B with the following added functions:  
 - Management of 8 videocameras ONVIF S® - Sending video event with pre-event/event/post-event  
 - Management of events: Alarm - User code - Emergency code - False code - Arming/disarming - Panic/ Medical/Fire message - Auto configuration Wi-Fi network board by Cloud  
**Functions available with APP MYAVSALARM (PREMIUM):** - Sending Push Notification completed with preview video - Saving video in Cloud - Possibility to send video by email  
**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**NOTE:** ® The trademarks mentioned belong to their respective owners



# With total control, protection is guaranteed. Choose security!



- Power supply optional 12 VDC (optional)
- Built-in camera
- Built-in audio
- Infrared detector
- Real-time image request
- Low power consumption

Code Item - Features

NEW

**1131163 JET PA WS 4 VIDEO PRO**

**Bidirectional wireless IR detector with antimasking, integrated camera/ audio and 12V optional power supply**

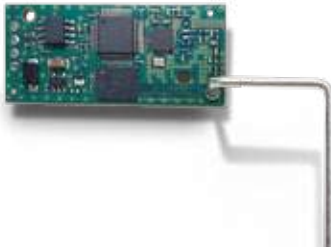
Passive infrared with aspherical lens and look-down mirror - IR coverage: 15 meters, 90° coverage, 7 levels and 41 sectors with sealed optics - PET Immunity - Anti-masking with active IR, adjustable detection distance - Accelerometer for tear-off and disorientation signaling - Use: indoor - Frequency: FM 868 MHz - multi frequency - bidirectional - Radio range: up to 150 m. in open field - Communication: alarm - pre and post alarm images - tampering - battery - survival - masking - detector model - battery voltage - operating temperature - simplified programming: self-learning on CP - setting operating parameters directly via CP, from laptop or APP MY AVS MANAGER - Firmware detector upgrade - Power supply: 12Vdc external with optional power supply (mod. PW M) + 2 batteries 3 Vdc lithium 1.1 A type CR123 - Autonomy up to 2 years with battery power supply only, activating the reduced consumption function - Dimensions (DxWxH): 39 x 65 x 120 mm - Compatibility: RAPTOR with RVS or XSAT WS4 VIDEO / XTREAM / CAPTURE / ULTRA with XSAT WS4 VIDEO

**VIDEO Features**

VGA camera - 90° coverage - 320 x 240 resolution - Image transfer speed: 100Kbit/s (about 25" full load) - Infrared illuminator not visible - Depth of field: 12 m in relation to the brightness - Automatic Day/Night function - Recording and sending event audio files - Request remote images - Camera exclusion from user - Low power consumption with image transmission only upon alarm - Video Compatibility: MY AVS Alarm Application

**1121120 RVS VIDEO SATELLITE**

**Bidirectional Plug-in wireless zone module for video detectors**



Wireless bidirectional technology FM GFSK FM 868 Mhz - Connection: RS485 Plug-in connector - Frames memory: video events complete with 10 frames each saved on Cloud - Image speed: 100Kbit/s (about 25" full upload) - Power supply and consumption: 13.8 Vdc, 30 mA max - Bidirectional wireless device receiver: up to 125 video wireless detectors - You can access the history of videos saved in the myAVS Cloud via the application - Compatibility: RAPTOR range (not RAPTOR LC) and bidirectional detectors WS4 VIDEO series. Dimensions (LxWxH): 43 x 10 x 19 mm.

NEW

**1132156 SPECTRUM DT WS4 AM VIDEO**

**Outdoor triple technology detector with bidirectional wireless camera, with anti-masking and optional 12V power supply**

Detection through double PIR and microwave 10.525 GHz - Detection range from 3 to 12 meters - Antimasking with active IR - Tamper through accelerometer - Digital temperature compensation - Light filter - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity - Frequency: 868 MHz FM - multi-frequency - bidirectional - max range 700 m - Communication: alarm - sabotage - battery - survival - masking - detector model - battery voltage - operating temperature - simplified programming: self-learning on PC - setting operating parameters via control panel, PC or through the MyAVSMANAGER app - Walk test with Led and buzzer activation - Power supply: 12 Vdc external with optional power adapter (model PW M) + 2 lithium batteries 3.6 Vdc 2.2 Ah - Battery life: up to 4 years with battery-only power supply, low active consumption, and image-request function disabled - Dimension (d x W x H): 68.3 x 75.4 x 189.4 mm - Compatibility: RAPTOR control panels with RVS or XSAT WS4 VIDEO - XTREAM / ULTRA with XSAT WS4 VIDEO

Protection class: IP 55

**VIDEO Features**

VGA camera - 90° coverage - Programmable resolution: Standard 320 x 240 / High quality 640 x 480 - Image transfer speed: 100 Kbit/s (approx. 25" for full upload) - Invisible infrared illuminator - Depth of field: 12 m depending on light conditions - Automatic Day/Night function - Event recording and transmission - Remote image request - Camera exclusion from user - Low power consumption with image transmission only on alarm - Video compatibility: MYAVSAlarm app

## WIRELESS REPEATER



Code Item - Features

**1121111 RPT WS 4**

### Wireless Repeater

Frequency: GFSK FM 868 MHz - Bidirectional - Radio Coverage: up to 700 m. in open field - Repeats: detectors (no video), sirens, remote controls - Status visualization: Leds - Supply Voltage: 110/230 Vac /15 Vdc ; Battery 12 Vdc 1.2 Ah (not included) - Tamper: optional board (code: 1180100) - ABS container - Container dimensions (LxHxW): 225 x 210 x 73 mm- Compatible with wireless bidirectional devices WS 4 series - Compatibility: RAPTOR / CAPTURE /ULTRA / XTREAM control panels with XSAT WS4 / WS 4 PRO.

## DETECTORS, TRANSMITTERS, CONTACTS



**NEW**

**1131156 JET PA WS4 JUNIOR**

### Bidirectional wireless passive infrared detector - white colour

Passive infrared with aspherical lens and look down mirror - IR coverage: 15 m, 90°, 7 levels and 41 sectors with sealed optics - PET IMMUNE - Application: indoor - Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self- learning on CP - Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS

MANAGER - Powered by: 1 Lithium battery 3V Type CR 123 - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 65 x 120 x 39 mm - Compatibility: RAPTOR control panel, range XSAT WS4

Available also in black colour - cod.1131166 - JET PA WS4 JUNIOR BLACK



**1131134 JET PA WS 4**

### Bidirectional wireless passive infrared detector with antimasking

Passive infrared with aspherical lens and look down mirror - IR coverage: 15 m, 90°, 7 levels and 41 sectors with sealed optics – PET IMMUNE - Anti-masking with active IR, adjustable detection distance – Accelerometer for tamper and disorientation - Application: indoor - Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self- learning on CP – Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - Powered by: 1 Lithium battery 3,6V - 2,2 Ah - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 65 x 120 x 39 mm - Compatibility: RAPTOR control panel, range XSAT WS4

**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1131133 JET DT WS 4**

### Bidirectional wireless double technology detector with antimasking

Passive infrared with aspherical lens and look down mirror - Linear microwave 10.525 GHz 15m range - IR coverage: 15 m, 90°, 7 levels and 41 sectors with sealed optics – PET IMMUNE - Anti-masking with active IR, adjustable detection distance – Accelerometer for tamper and disorientation - Application: indoor - Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self- learning on CP – Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - Powered by: 1 Lithium battery 3,6V - 2,2 Ah - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 65 x 120 x 39 mm - Compatibility: RAPTOR control panel, range XSAT WS4

**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1131138 JET 360 WS 4**

### Bidirectional wireless 360° ceiling infrared detector



Passive infrared with Fresnel lens - IR range: 8-12 meters on 360° - Installation height: from 2.4 to 3.6 m - Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self- learning on CP – Detector parameter settings via CP from laptop or through the APP MY AVS MANAGER - Powered by: 1 Lithium battery 3V CR123 type - Battery life: 2 years with energy saving function activated - Dimensions Ø 120 - H 40 mm - Compatibility: RAPTOR control panel, range XSAT WS4



WIC 4 MINI



WIC 4 MINI B



WIC 4 MINI N

Code Item - Features

**1131142 WIC 4 MINI**

**Bidirectional wireless 2-channel transmitter with double magnetic contact - white housing**

Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 200 m in open field - Data sent: alarm/status, sabotage, battery level, self-test - detector model – battery voltage – working temperature – Easy programming : self- learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER - Inputs: 2 independent for NC, inertial, contacts, digital analysis - Powered by Lithium battery 3,0 Vdc CR2032 type - Battery life: 2 years with energy saving function activated - white color - Integrated gasket - Dimensions (LxHxD): 26 x 56 x 9 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**Protection class: IP 65 - CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1131143 WIC 4 MINI B**

**Bidirectional wireless 2-channel transmitter with double magnetic contact - brown housing**

Same as WIC 4 MINI - brown plastic housing

**1131150 WIC 4 MINI N**

**Bidirectional wireless 2-channel transmitter with double magnetic contact - black housing**

Same as WIC 4 MINI - black plastic housing

**1131144 WIC 4 MINI PLUS**

**Bidirectional wireless 2-channel transmitter with double magnetic contact and shock sensor - white housing**

Frequency: FM 868 MHz - multi frequency – bi-directional - Radio coverage: up to 200 m in open field - Data sent: alarm/status, sabotage, battery level, self-test detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER - Inputs: 2 independent for NC, inertial, contacts, digital analysis – 90° double reed - Anti-sabotage by magnet - SHOCK SENSOR integrated with accelerometer - Powered by Lithium battery 3.0 Vdc CR2032 type - Battery life: 2 years with energy saving function activated – white color - Integrated gasket - Dimensions (LxHxD): 26 x 56 x 9 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**Protection class: IP 65 - CERTIFICATION: IMQ-INCERT EN50131 Grade 2**

**1131145 WIC 4 MINI PLUS B**

**Bidirectional wireless 2-channel transmitter with double magnetic contact and shock sensor - brown housing**

Same as WIC 4 MINI PLUS - brown plastic housing

**1131151 WIC 4 MINI PLUS N**

**Bidirectional wireless 2-channel transmitter with double magnetic contact and shock sensor - black housing**

Same as WIC 4 MINI PLUS - black plastic housing

**1181207 SPACER KIT FOR WIC 4 MINI WHITE**

**Spacer kit for contact white housing**

n°1 6 mm spacer for contact - n°1 3 mm spacer for contact - n°1 6 mm spacer for magnet - n°1 3 mm thickness for magnet - n°1 90°support for magnet

**1181208 SPACER KIT FOR WIC 4 MINI BROWN**

**Spacer kit for contact brown housing**

Same as KIT SPACER WHITE - brown color

**1181209 SPACER KIT FOR WIC 4 MINI BLACK**

**Spacer kit for contact black housing**

Same as KIT SPACER WHITE - black color



SPACERS FOR WIC 4 MINI WHITE

Code Item - Features



**1131131 WIC4**  
**Bidirectional wireless 2-channel transmitter with magnetic contact - white housing**

Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm/status, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER- Input: independent for NC, inertial, contacts, digital analysis - Powered by: 1 Lithium battery 3,0 Vdc 1,1 A CR123 type - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 35 x 110 x 31 mm - Compatibility: RAPTOR Control panel, range XSAT WS4 - **CERTIFICATION: IMQ-INCERT EN50131 Grade 2**



**1131132 WIC4 B**  
**Bidirectional wireless 2-channel transmitter with magnetic contact - brown housing**

Same as WIC4 with brown plastic housing



**1131129 WIC4 PLUS**  
**Bidirectional wireless 2-channel transmitter with magnetic contact and shock sensor - white housing**

Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm/status, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER - Input: independent for NC, inertial, contacts, digital analysis - SHOCK SENSOR integrated with accelerometer - Powered by 1 Lithium battery 3,0 Vdc 1,1 A CR123 type - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 35 x 110 x 31 mm - Compatibility: RAPTOR Control panel, range XSAT WS4  
**CERTIFICATION: IMQ-INCERT EN50131 Grade 2**



**1131130 WIC4 PLUS B**  
**Bidirectional wireless 2-channel transmitter with magnetic contact and shock sensor - brown housing**

Same as WIC4 plus with brown plastic housing



**1131141 GHOST WS 4 PLUS**  
**Bidirectional wireless 2-channel transmitter with magnetic contact - white housing**

Frequency: FM 868 MHz - multi frequency – bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm/status, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER- Input: 1 independent for NC, inertial, contacts, digital analysis - Powered by: 2 Lithium battery 3,0 Vdc CR1632 type - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 20.5 x 169 x 9 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**

Code Item - Features



**1131157 H2O WS4**

**Bidirectional wireless flood detector - white housing**

Frequency: FM 868 MHz - multi frequency - Bidirectional - Radio coverage: up to 700 m in open field - Data sent: flood alarm, sabotage, battery level, self-test, detector model, battery voltage - Easy programming: self-learning on CP - Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - Independent input for external water probe - Powered by: 1 Lithium battery 3,0 Vdc 1,1 A CR123 type - Battery life: 2 years - Dimensions (LxHxD): 35 x 110 x 31 mm - Probe cable length ~ 1 mt - Compatibility: RAPTOR control panels, XSAT WS4 - XSAT WS4 PRO - XSAT WS4 VIDEO



**1131158 TERM WS4**

**Bidirectional wireless environmental temperature detector - white housing**

Frequency: FM 868 MHz - multi frequency - Bidirectional - Radio coverage: up to 700 m in open field - Data sent: environmental temperature, sabotage, battery level, self-test, detector model, battery voltage - Easy programming: self-learning on CP - Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - input for external temperature probe - Powered by: 1 Lithium battery 3,0 Vdc 1,1 A CR123 type - Battery life: 2 years - Dimensions (LxHxD): 35 x 110 x 31 mm - Probe cable length ~ 1 mt - Compatibility: RAPTOR control panels, XSAT WS4 - XSAT WS4 PRO - XSAT WS4 VIDEO



**1131135 WING4 WS**

**Bidirectional wireless curtain passive infrared detector - white housing**

Application: ideal to protect windows, doors, corridors, etc - IR coverage: 4 m on 70° - Frequency: FM 868 MHz - multi frequency - bidirectional - Radio coverage: up to 700 m in open field - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature - Easy programming : self-learning on CP - Detector parameter settings via CP from laptop ( through Xwin software) or through the APP MY AVS MANAGER - Powered by 1 Lithium battery 3V - CR123 - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 35 x 110x31 mm - Compatibility: RAPTOR control panel, range XSAT WS4



**1131136 WING4 WS B**

**Bidirectional wireless curtain passive infrared detector - brown housing**

Same as WING 4 WS with brown plastic housing

**1131137 WING4 MWS**

**Bidirectional wireless curtain passive infrared detector with antimasking - white housing**

Same as WING4 WS. Anti-masking with active IR, adjustable detection distance



**1136113 SD4 WS**

**Bidirectional wireless optical smoke detector**

Sensor: optical infrared - coverage 40 m<sup>2</sup> - Frequency: FM 868 MHz - multi frequency - bidirectional - Radio range: up to 700 m. in open space - Communications: alarm - battery - self test detector model - battery voltage - working temperature - Test Function with buzzer and led activation - Easy programming: self-learning on CP - Detector parameter settings via CP from laptop (through Xwin software) or through the APP MY AVS MANAGER - Power supply: 1 x 3 Vdc lithium battery - Type CR123 included - Battery life: 2 years - Dimensions: (DxH) 115 x 45 mm - Compatibility: RAPTOR control panel

**Homologation: Vds EN 14604: 2005**

**INDOOR DETECTORS ACCESSORIES**

CLI



**1130142 CLI**

**Curtain lens for JET detectors**

Aspherical curtain lens with coverage of 15 m - 5°

K21



**1130136 K21**

**Wall and ceiling bracket for JET detectors**

Wall and ceiling anti-tear protection - Internal cableway - Compatibility: JET range

**Available also in black colour - cod.1130166 - K21 B**

Code Item - Features

ONE



1132144 **ONE PA WS 4**

**Bidirectional wireless outdoor curtain detector**

Passive infrared curtain sensor with Fresnel lens - Frequency: FM 868 MHz - multi frequency – bidirectional - max radio range 700 m in open space - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER - Coverage of 8 m max with maximum opening of 1.8 m - Height of installation between 1.9 m and 2.2 m - ANTI MASKING function with ACTIVE IR – adjustable detection range - PET Immunity for PETs up to 40 cm high with optional lens filter - Anti-opening tamper device - ACCELEROMETER for anti-tear notification function - Power supply: 3.6 Vdc, 2.2 A lithium battery - Battery life: 2 years with energy saving function enabled - Dimensions (WxLxH) 44 x 40 x 123 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**Protection class: IP 54**

SPECTRUM

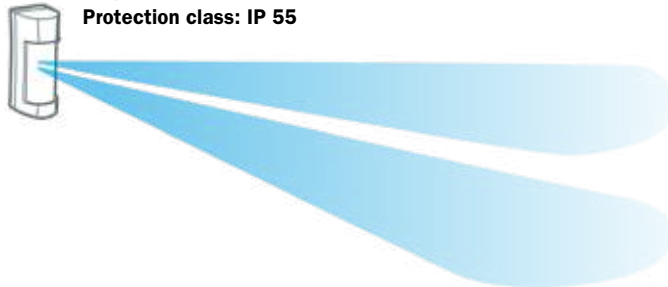


1132145 **SPECTRUM DT WS AM 4**

**Bidirectional wireless outdoor triple technology detector with antimasking**

Detection through double PIR and microwave 10.525 GHz - Detection range from 3 to 12 meters – Wireless transmission in 868 MHz FM - multi frequency – bidirectional - max range 700 m - Antimasking with active IR, adjustable detection range - Tamper through accelerometer - Light filter - Digital temperature compensation - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity - Power consumption in stand-by 15 µA - Power consumption in alarm 34 mA - Wireless report for alarm - Wireless report for antimasking - Wireless report for tamper – Wireless report for low battery - Wireless report for survival - Data sent: detector model – battery voltage – working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER- Walk test with Led and buzzer activation – Lithium battery 3,6 Vdc 2,2 Ah, included - Battery life: 2 years with energy saving function enabled - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**Protection class: IP 55**



SPECTRUMWall



1132146 **SPECTRUM PA WS WALL 4**

**Bidirectional wireless double side double PIR outdoor detector**

Double side detection (right + left) double PIR - Detection range from 3 to 12 meters per side - Wireless transmission in 868 MHz FM - Multi frequency – Bidirectional - Max radio range 700 m in open space - Light filter - Digital temperature compensation - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity up to 70 cm from the ground - Power consumption in hush 15 µA – Power consumption in alarm 34 mA - Data sent: alarm, sabotage, battery level, self-test, detector model, battery voltage, working temperature – Easy programming: self-learning on CP – Detector parameter settings via CP, from laptop (through Xwin software) or through the APP MY AVS MANAGER - Walk test with Led and buzzer activation - Lithium battery 3,6 Vdc 2,2 Ah, included - Battery life: 2 years with energy saving function enabled - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm - Compatibility: RAPTOR Control panel, range XSAT WS4

**Protection class: IP 55**

1132147 **SPECTRUM PA WS WALL AM 4**

**Bidirectional wireless double side double PIR outdoor detector with antimasking**

Same as SPECTRUM PA WS WALL 4, with double IR anti masking protection and AM adjustable detection distance



## UNIVERSAL WIRELESS OUTDOOR PIR PASSIVE INFRARED DETECTORS COMPATIBILITY WITH ALL CONTROL PANELS

Code            Item - Features



### 1132134    **SPECTRUM PA WS WALL STD**

#### Universal wireless double side double PIR outdoor detector

Double side detection (right + left) double PIR - Detection range from 3 to 12 m per side - Universal and compatible with any third party transmitters - Tamper through accelerometer - Digital temperature compensation - Detection angle up to 10° - Installation height 1,2 meters with standard lens - PET Immunity - Light filter - Power consumption in stand-by 15 µA - Power consumption in alarm 9 mA - Alarm output c/nc - Tamper output c/nc - Walk test with led and buzzer activation - Lithium battery 3.6 Vdc 2.2 Ah, included - Battery life: 2 years with energy saving function enabled - Spacer for third party transmitter - Dimensions (D x W x H): 110 x 75,4 x 189,4 mm

**Protection class: IP 55**



### 1132137    **SPECTRUM PA WS WALL STD AM**

#### Universal wireless double side double PIR outdoor detector with antimasking

Double side detection (right + left) double PIR - Detection range from 3 to 12 m per side - Anti-masking with active double IR - Universal and compatible with any third party transmitters - Tamper through accelerometer - Digital temperature compensation - Detection angle up to 10° - Installation height 1,2 meters with standard lens - PET Immunity - Light filter - Power consumption in stand-by 15 µA - Power consumption in alarm 9 mA - Alarm output c/nc - Tamper output c/nc - Walk test with led and buzzer activation - Lithium battery 3.6 Vdc 2.2 Ah, included - Battery life: 2 years with energy saving function enabled - Spacer for third party transmitter - Dimensions (D x W x H): 110 x 75,4 x 189,4 mm

**Protection class: IP 55**



### 1132111    **OUTSPIDER PA WS UB**

#### Universal wireless outdoor double infrared detector with battery

Same as OUTSPIDER PA WS with: - Compatibility: UNIVERSAL (it can be connected with any kind of radio transmitter via the low consumption OCs outputs) - Power supply: 3.6 Vdc, 8.5 A lithium battery (included) - Max consumption: 30 mA in stand-by, 30 mA in alarm

### 1132112    **OUTSPIDER PA WS U**

#### Universal wireless outdoor double infrared detector

Same as OUTSPIDER PA WS UB - lithium battery NOT INCLUDED

## WIRELESS OUTDOOR DETECTORS



### 1132148    **OUTSPIDER PA WS 4**

#### Bidirectional wireless outdoor passive infrared detector

Dual passive infrared - Frequency: FM 868 MHz - multi frequency – bidirectional - Wireless range: up to 700 m - Data sent: alarm, sabotage, battery level, self-test, masking, detector model, battery voltage, working temperature – Easy programming : self-learning on CP – Detector parameter settings via CP from laptop or through the APP MY AVS MANAGER - Range: from 15 to 23 m, max height of installation 2.7 m - Coverage between 5° and 90° - ANTI-MASKING with ACTIVE IR function - PET Immunity - Anti-opening and anti-tear tamper - USB port for programming with HPWIN/XWIN software - LED and buzzer for walk test that can be deactivated - Camera fitting - Working conditions: -25 C° + 55 C° - Power supply: 3.6 Vdc, 8.5 A lithium battery - Battery life: 2 years with energy saving function enabled - Dimensions (WxLxH): 135 x 140 x 240 mm - Compatibility: RAPTOR Control panel, range XSAT WS4 - **Protection class: IP 65**

### 1132149    **OUTSPIDER DT WS 4**

#### Bidirectional wireless outdoor dual technology detector

Dual passive infrared + microwave MW freq. 10.525 GHz - Frequency: FM 868 MHz - multi frequency – bidirectional - Wireless range: up to 700 m - Data sent: alarm, sabotage, battery level, self-test, masking, detector model, battery voltage, working temperature – Easy programming : self-learning on CP – Detector parameter settings via CP from laptop or through the APP MY AVS MANAGER - Range: from 15 to 23 m, max height of installation 2.7 m - Coverage between 5° and 90° - ANTI-MASKING with ACTIVE IR function - PET Immunity - Anti-opening and anti-tear tamper - USB port for programming with HPWIN/XWIN software - LED and buzzer for walk test that can be deactivated - Camera fitting - Working conditions: -25 C° + 55 C° - Power supply: 3.6 Vdc, 8.5 A lithium battery - Battery life: 2 years with energy saving function enabled - Dimensions (WxLxH): 135 x 140 x 240 mm - Compatibility: RAPTOR Control panel, range XSAT WS4 - **Protection class: IP 65**

## UNIVERSAL WIRELESS OUTDOOR PIR+MW DUAL TECHNOLOGY DETECTORS COMPATIBILITY WITH ALL CONTROL PANELS

Code Item - Features



### 1132133 SPECTRUM DT WS STD AM

#### Wireless universal outdoor double technology detector with antimasking

Detection through double PIR and Microwave 10.525 GHz - Detection range from 3 to 12 meters - Universal and compatible with any third party transmitters - Antimasking with active IR - Accelerometer for tamper signalisation - Digital temperature compensation - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity - Light filter - Power consumption in stand-by 15 µA - Power consumption in alarm 9 mA - Alarm output c/nc - Tamper output c/nc - Walk test with Led and Buzzer activation - Lithium Battery 3,6 Vdc 2,2 Ah, included - Battery life: 2 years with energy saving function enabled - Spacer for third party transmitter - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm - **Protection class: IP 55**

### 1132113 OUTSPIDER DT WS UB

#### Universal wireless outdoor double technology detector with battery

Same as OUTSPIDER DT WS with: - Compatibility: UNIVERSAL (it can be connected with any kind of radio transmitter via the low consumption OCs outputs) - Power supply: 3.6 Vdc, 8.5 A lithium battery (included) - Max consumption: 30 mA in stand-by, 30 mA in alarm



### 1132114 OUTSPIDER DT WS U

#### Universal wireless outdoor double technology detector

Same as OUTSPIDER DT WS UB - lithium battery NOT INCLUDED

## WIRELESS SIRENS



TS 22 WS4

### 1164115 TS 22 WS4

#### Bidirectional wireless INDOOR self-powered siren

Frequency GFSK FM 868 MHz - multi frequency - Bidirectional - Max range 700 m.in open space - Communications: alarm, anti-tamper, battery, survival, model, battery voltage, working temperature - Easy programming: self-learning on CP - Parameter settings via CP from laptop or through the APP MY AVS MANAGER - LED for visualization system status - Dimensions (LxHxW): 150 x 110 x 50 mm - Housing: white coloured plastic - Power supply: with 4 x 1,5 alkaline battery type AA LR6 (included) - Compatibility: RAPTOR control panels, range XSATWS4



CITY WS

### 1164107 CITY WS 4

#### Bidirectional wireless self-powered siren

Frequency GFSK FM 868 MHz - multi frequency - Bidirectional - Max range 700 m. in open space - Communications: alarm, anti-tamper, battery, survival, model, battery voltage, working temperature - Easy programming: self learning on CP - Parameter settings via CP from laptop or through the APP MY AVS MANAGER - LED for visualization system status - Dimensions (LxHxW): 255 x 200 x 80 mm - Housing: ivory-coloured plastic - Power supply: with 4 X 1,5 alkaline battery type D LR20 (included) or mod. ALCITYWS4 external power supply (not included) - Compatibility: RAPTOR control panel, range XSAT WS4

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**



CITY WS CARBON

### 1164108 CITY WS 4 C

#### Carbon look bidirectional wireless self-powered siren

Same as CITY WS4 with carbon plastic housing

**CERTIFICATION: IMQ-INCERT EN 50131 Grade 2**



ALCITYWS 4

### 1164110 ALCITYWS 4

#### Power supply unit for wireless bidirectional siren

Switching: 230Vac - 14,4Vdc 1A - Compatibility with CITY WS 4



MY AVS MANAGER



Code Item - Features

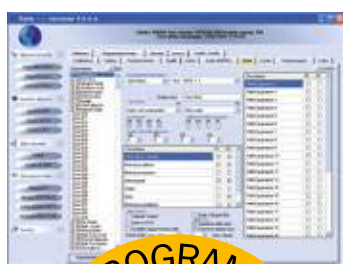
**APP MY AVS MANAGER**

Mobile application for smartphone and tablet for the installer

MY AVS MANAGER allows the connection of an Apple or Android device to RAPTOR system, by using a compatible network board or GPRS. MY AVS MANAGER can only be used after being validated on the Installers Area on [www.myavsalarm.com](http://www.myavsalarm.com).

Features	INSTALLER	
	LIGHT Version (FREE)	PREMIUM Version
APP MY AVS MANAGER:		
Number of devices to which the access is allowed	2	50
Saving programming	The most recent	The last n°10 saved on CLOUD
System diagnostics	X	X
Raptor control panel wizard programming	X	X
Wireless devices programming	X	X
Complete programming	X	X
RAPTOR R control panel programming without using the keypad	X	X
Programming with XWIN across the CLOUD	X	X
	MARKETING AREA	
Send Push notification to customers		X
Customize MYAVSALARM App with Installer logo	-	X

MY AVS MANAGER works on the AVS CLOUD MANAGER SERVER which allows simplified network settings. Thanks to the AVS Cloud, no router configuration or static IP addresses are required.



**1104102 XWIN**

Programming software for AVS control panels with Wizard Included

Advanced programming of all control panel parameters and settings - Easy programming thanks to the guided settings with WIZARD - Local programming via USB or remote via PSTN line, with standard modem V.90 or GSM modem and TCP-IP and CLOUD - Real time supervision of the system with visualization of system status and diagnostic - Special features: allows the complete control of each configuration parameter, management of customers database, customize vocal messages - Allows updating of control panel firmware with direct connection to control panel via USB port - System data: Windows, XP SP2® . VISTA®, Windows 7/8/10® - Compatible with modem: standard V.90 - Compatibility: CAPTURE / XTREAM/RAPTOR

**NOTE:® The marks and trade marks mentioned belong to their respective owners**

PROGRAMMING SOFTWARE FOR XTREAM CONTROL PANELS



**XUSER SOFTWARE**

XUser is the advanced software developed to connect a single PC to different AVS control panel and allows to change the parameters of the programmed Timers and some User parameters in Ethernet or Cloud connection. The software has the possibility to monitor the system status in real time (Real Time mode) and to download the Events Buffer.

Furthermore, it is possible to have complete control of the status of the inputs, outputs and it is also possible to interact by switching the system on / off. All operations are subject to the insertion of an enabled user code.

**System requirements:** Windows®, XP SP2® . VISTA®, Windows 7/8/10® - **Compatibility:** CAPTURE/XTREAM/RAPTOR control panels - **Programming:** USB – TCP/IP – CLOUD - **License conditions:** The software is provided by AVS Electronics in demo version. This version makes the software usable for 15 days from installation free of charge

**1104114 LIC-XUSER**

License for XUSER software activation

## ACCESSORIES FOR OUTDOOR DETECTORS

	Code	Item - Features
OSC	1135113	<b>OSC</b> <b>Protection for detector ONE</b> Cover for rain protection for detector ONE
SSC	1135110	<b>SSC</b> <b>Rain protection cap for Spectrum</b> Frontal shield for rain protection
SSD	1135111	<b>SSD</b> <b>Spacer for Spectrum</b> 47 mm spacer, included by default for STD series
SSL	1135109	<b>SSL</b> <b>Optional lens for Spectrum</b> Optional lens to install SPECTRUM at 2,2 meters high (not for WALL models)
	1135112	<b>STA</b> <b>Tamper for Spectrum</b> Optional mechanical tamper
KB KBT	1134109	<b>KB</b> <b>Wall bracket for detectors SPY/ONE/SPECTRUM</b> Same features of KBT - without anti-removal tamper
	1134110	<b>KBT</b> <b>Wall bracket with tamper for detectors SPY/ONE/SPECTRUM</b> Anti-removal wall tamper - Internal cable passing - Compatibility: SPY/ONE/SPECTRUM  <b>Available also in black colour - cod.1134113 - KBT B</b>

Code Item - Features



BATT D4

**1194100 BATT D4**  
**Battery for siren CITY WS 4**

N°4 alkaline battery type D (4 X 1,5 Vdc) - Compatibility: CITY WS 4



ZB022

**9094120 ZB022**  
**Battery for SPECTRUM WS4/JET WS4/WIC4/A500 WS4**

3.6 Vdc - 2.6 A LITHIUM BATTERY - Replacement battery for SPECTRUM WS4, JET WS4, WIC4 WS



ZB020105

**9094124 ZB20105**  
**Battery for wireless detectors SPECTRUM WS4 and OUTSPIDER WS4**

3.6 Vdc - 7.7 A LITHIUM BATTERY - Replacement battery for OUTSPIDER WS4 and SPECTRUM WS4



ZBCR2032

**9094121 ZBCR2032**  
**Battery for BIP4/WIC4 MINI**

3.0 Vdc - CR2032 type LITHIUM BATTERY - Replacement battery for BIP4 series/WIC4 MINI



ZBDL123A

**9094119 ZBDL123A**  
**Lithium battery for JET 360 WS4/WING 4 WS/WIC4**

3.0 Vdc - 1.1 A CR123 type LITHIUM BATTERY - Replacement battery for JET 360 WS4/WING4 WS/WIC4 WS



ZBSL760

**9094123 ZBSL760**  
**Battery for wireless detector ONE PA WS4**

3.6 Vdc - 2.6 A LITHIUM BATTERY - Replacement battery for ONE PA WS 4 TX contact



ZBCR1632

**9094126 ZBCR1632**  
**Battery for detector GHOST**

3.0 Vdc - CR1632 type LITHIUM BATTERY - Replacement battery for magnetic contact GHOST



# No telephone line? With **STARLINK 4G** you have all the freedom you need.



Polyvalent telephone dialer and interface with 4G technology, dual SIM, multilayer module, last generation micro card, self-restoring electronic protections.

**Security, flexibility and communication quality at the highest levels!**

Code Item - Features



STARLINK 4G PRO B

**1170129 STARLINK 4G PRO B**

**Telephone dialer and bidirectional interface over LTE / 4G networks - in box**

Communication protocols: voice and SMS messages - Sending and receiving of SMS messages - Connection: universal - Double SIM CARD – LTE/4G and 2G module - Speech synthesis: optional - DIGIVOC model with a digital library of over 300 pre-recorded and customizable words - USB port for direct connection with the PC and XWIN software - Sending of digital protocols over the TCP-IP data channel - CONTACT ID IP, SIA IP - Conversion of the CONTACT ID (PSTN) protocol with SMS to mobile numbers - Conversion of the CONTACT ID (PSTN) protocol with CONTACT ID IP (GPRS / LTE / 4G) to IP receivers - Simulation and control of PSTN line - 5 terminals that can be configured as inputs and 3 can be set as OC logic outputs – 1 input for sabotage - Power consumption: max 320mA - Provided with metal housing with antenna - Dimensions of housing (LxHxW): 164 x 110 x 36 mm - Compliant with RED Directive - Compatibility: UNIVERSAL  
**TELEPHONE DIALER FUNCTION:** with enabling of the DIGIVOC and sending of voice messages to a max of 8 telephone numbers



DIGIVOC

**1107135 DIGIVOC U**

**Speech synthesis**

Speech synthesis with a digital library of over 320 pre-recorded and customisable words - possibility to store 3680 customisable messages no more than 16" and a total memory of 50 minutes - Connection: PLUG-IN on card - Compatibility: ULTRA range, Starlink 4G, XGSM485 4G - XGSM485 4G PRO



CONT SX

**1183108 CONT SX**

**Compact housing for modules and PCB**

Housing with metal base and ABS cover - Dimensions (LxHxW): 164x110x36 mm - Compatibility: XSAT2, XSAT8, STARLINK 4G PRO, XGSM 485 4G



CONT SAT W

**1122102 CONT SAT W**

**Housing for modules and PCB**

ABS housing for cards and modules - Dimensions of housing (LxHxW): 225 x 210 x 73 mm - Compatibility: expansions XSAT 36, XGSM 485 4G and STARLINK 4G



KP5

**1172108 KP5**

**GSM antenna extension cable**

Length of extension cable: 5 m - Compatibility: XGSM 4G, XGSM, STARLINK 4G, XGSM 485 4G



# Design, technology and reliability for your indoor security!

INDOOR VOLUMETRIC DETECTORS



Wide range of PIR digital detectors, with a modern and elegant design, to grant high reliability, maximum detection quality and a total security.



Code Item - Features

**1130133 JET PA****Passive infrared detector**

Range: 15 m - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics - Mirror look down for anti-masking cover - Selectable line balancing elements 1-2, 2-4, 7-10 kohm - Selectable PET Immunity 0-12-24 kg - Thermal compensation - Alarm LED - Power supply and power consumption: 13.8 Vdc - 4 mA - Height of installation: 2.20 m standard, max 2.70 m - Dimensions (LxHxW): 65 x 120 x 39 mm

**CERTIFICATION: IMQ EN 50131 Grade 2 CLASS 2****NEW****1130134 JET DT****IR + MW dual technology detector**

Range: 15 m. - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics - Mirror look down for anti-masking lens - Operation: AND, OR/SECURITY (IR integration) - Selectable line balancing elements 1-2, 2-4, 7-10 kohm - Selectable PET Immunity 0-12 - 24 kg - Thermal compensation - Microwave frequency: 10.525 GHz - Alarm, infrared and microwave LED - Power supply and power consumption: 13.8 Vdc - 11 mA - Height of installation: 2.2 m standard, max 2.70 m - Dimensions (LxHxW): 65 x 120 x 39 mm

**CERTIFICATION: IMQ EN 50131 Grade 2 CLASS 2****INCERT CERTIFICATION UP to 12 m****Available also in black colour - cod.1130165 - JET DT BLACK****1130135 JET DT AM****IR + MW dual technology detector with antimasking**

Range: 15 m. - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics - Mirror look down for anti-masking lens - ANTIMASKING with active IR- Operation: AND, OR/SECURITY (IR integration) - Selectable line balancing elements 1-2, 2-4, 7-10 kohm - Selectable PET Immunity 0-12-24 kg - Thermal compensation - Microwave frequency: 10.525 GHz - Alarm, infrared and microwave LED - Power supply and power consumption: 13.8 Vdc - 12 mA - Height of installation: max 2.70 m - Dimensions (LxHxW): 65 x 120 x 39 mm - **CERTIFICATION: IMQ EN 50131 Grade 3 CLASS 2**

**INCERT CERTIFICATION UP to 12 m****JET HP - RS485 DUAL TECHNOLOGY INDOOR DETECTORS****1130144 JET DT HP PLUS****Digital dual technology detector RS485 with antimasking**

Dual tech PIR + microwave - Detection range: 15 m - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics - Mirror look down for anti-masking lens - PET Immunity - Connection: RS485 - ANTIBLINDING with active IR - Microwave function: ANTIMASKING and fail control - Active test function of PIR with fail signalling - Security function: automatic with IR or MW fail - Control and monitoring with oscilloscope function and parameters setting via XWIN software - Alarm setting: AND/OR/SECURITY - Microwave frequency: 10,525 GHz - "GREEN FUNCTION": Microwave block function when panel is disarmed - Event memory with date/hour/temperature/IR and MW signals - Accelerometer for cover opening, wall removal, position changing - Aux input for anti-wall removal protection - Programmable LEDs - Height of installation: 2.2 m standard, max 2.7 m - Power supply and power consumption: 13.8 Vdc - 51 mA max - Environmental condition: -20°C + 55°C - Dimensions (LxHxD): 65 x 120 x 39 mm

**1130143 JET DT HP****Digital dual technology detector RS485**

Dual tech PIR + microwave - Detection range: 15 m - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics - Mirror look down for anti-masking lens - PET Immunity - Connection: RS485 - Control and monitoring with oscilloscope function and parameters setting via XWIN software - Alarm setting: AND - Microwave frequency: 10,525 GHz - Aux input for anti-wall removal protection - Programmable LEDs - Height of installation: 2.2 m standard, max 2.7 m - Power supply and power consumption: 13.8 Vdc - 49 mA max - Environmental condition: -20°C + 55°C - Dimensions (LxHxD): 65 x 120 x 39 mm



## JET 360 PLUS - PIR & OT INDOOR DETECTOR FOR CEILING

Code Item - Features

### 1130163 JET PA 360 PLUS

#### 360° ceiling passive infrared detector

IR with Fresnel lens - IR range: 10 meters on 360° - Selectable line balancing elements (1 – 2,2 – 4,7 – 10 Kohm) - Thermal compensation - Alarm LED - Power supply and power consumption: 13.8 Vdc - 7 mA - Installation height: from 2,5 to 3,6 m - Dimensions: Ø 11,5 cm

**Compliant to EN 50131- GRADE 2 CLASS 2**

### 1130164 JET DT 360 PLUS

#### 360° ceiling IR + MW dual technology detector

IR with Fresnel lens - IR range: 9 meters on 360° - Operation: AND, OR/SECURITY (IR integration) - Selectable line balancing elements (1 – 2,2 – 4,7 – 10 Kohm) - Thermal compensation - Microwave frequency: 10.525 GHz - Alarm, infrared and microwave LED - Power supply and power consumption: 13.8 Vdc - 17 mA - Installation height: from 2,5 to 3,6 m - Dimensions: Ø 11,5 cm.

**Compliant to EN 50131- GRADE 2 CLASS 2**

**DIRECTIVE 2014/53/UE (RED)**



## SPY M - VOLUMETRIC INDOOR MICROWAVE DETECTORS

### 1130116 SPY M2

#### Double microwave detector

ANTI-MASKING - Coverage: 12 m 80° - Double microwave - AND setting - Frequency: 10,525 GHz and 24 GHz - Microwave block function when panel is disarmed - Consumption: 37 mA - Installation height: 1,9-2.2 mts - Dimensions (LxHxW): 61 x 110 x 46 mm



## INDOOR DETECTORS ACCESSORIES

### 1130142 CLI

#### Curtain lens for JET detectors

Aspherical curtain lens with coverage of 15 m - 5°

CLI



### 1130136 K21

#### Wall and ceiling bracket for JET detectors

Same functional features as model K21 T - without tamper

**Available also in black colour - cod.1130166 - K21 B**

### 1130137 K21T

#### Wall and ceiling bracket for JET detectors with tamper

Wall and ceiling anti-tear protection - Internal cableway - Certification: EN50131 Grade 2 - Compatibility: JET range

K21/K21T



### 1134109 KB

#### Wall bracket for detectors SPY/ONE/SPECTRUM

Same functional features as model KBT - without tamper

### 1134110 KBT

#### Wall bracket with tamper for detectors SPY/ONE/SPECTRUM

Wall removal protection - Internal cableway - Compatibility: SPY, ONE and SPECTRUM range

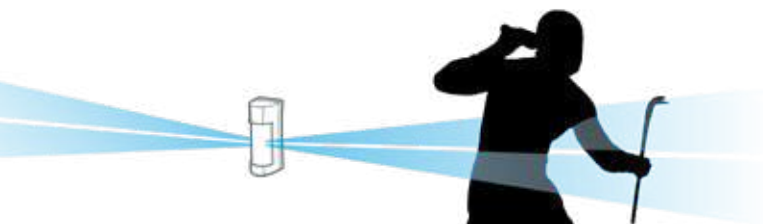
**Available also in black colour - cod.1134113 - KBT B**

KB  
KBT





## Where does your security start?



A wide range of outdoor detectors, wired and wireless, low consumption and universal, for the perimetral protection of industrial, commercial and residential sites, as well as balconies, gardens, terraces, warehouses, parkings and buildings in general.

## ONE - DIGITAL CURTAIN DETECTORS FOR OUTDOOR PROTECTION



Code            Item - Features

### 1132115    **ONE DT**

#### Outdoor dual technology curtain detector

Dual technology IR+MW 24Ghz with curtain coverage - Coverage of 12 m max with maximum opening of 2 m - Height of installation between 1.9 and 2.2 m - Dual ANTI-MASKING with ACTIVE IR and microwave - ACCELEROMETER device for anti-tear signalling function - Digital thermal compensation - PET Immunity with optical adhesive filter - Protection tamper device for signalling opening - Power supply: 13.8Vdc - Dimensions (WxLxH): 44 x 40 x 123 mm - Universal connection with relay outputs and OC logics - Fixing on wall with supports and 90° adapters provided as standard

**Protection class: IP 54**

### 1132116    **ONE DT HP**

#### Outdoor dual technology curtain detector with RS485 Bus

Same features as the ONE DT model with: - RS485 Bus connection for XTREAM control panels - Advanced programming functions with XWIN software - Control and monitoring with oscilloscope function - Compatibility: CAPTURE, XTREAM, XSATHP

### 1132118    **ONE PA**

#### Outdoor infrared curtain detector

Passive infrared curtain sensor with Fresnel lens - Coverage of 8 m max with maximum opening of 1.8 m - Height of installation between 1.9 m and 2.2 m - ANTI MASKING function with ACTIVE IR - PET Immunity with optional lens filter - Anti-opening tamper device - Accelerometer device for anti-tear signalling function - Digital thermal compensation - Dimensions (WxLxH): 44 x 40 x 123 mm - Universal connection with relay outputs and OC logics

**Protection class: IP 54**

### 1132119    **ONE PA HP**

#### Outdoor infrared curtain detector with RS485 Bus

Same features as the ONE PA model with: - RS485 Bus connection for XTREAM control panels - Advanced programming functions with XWIN software - Control and monitoring with oscilloscope function - Compatibility: CAPTURE, XTREAM, XSATHP

## SPECTRUM - DIGITAL DETECTORS FOR OUTDOOR PROTECTION



### 1132126    **SPECTRUM DT AM**

#### Outdoor triple technology detector with antimasking

Detection through double PIR and microwave 10.525 GHz - Detection range from 3 to 12 meters - Antimasking with active IR - Tamper through accelerometer - Light filter - Digital temperature compensation - Detection angle up to 100° - Orientation horizontal plane 180° - Installation height 1,2 meters with standard lens - 2,2 meters with SSL optional lens - PET Immunity - Block input for microwave switching off and relay alarm - Auxiliary input for tamper or alarm - Alarm output c/nc - Antimasking output c/nc - Tamper output c/nc - End of line resistors selectable for: alarm-tamper-antimasking (2,2 - 4,7 - 5,6 - 10 Kohm) - Walk test with led and buzzer activation - Power supply from 10.5 Vdc to 15 Vdc - Power consumption in hush 21mA - Power consumption in alarm 25 mA - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm

**Protection class: IP 55**

### 1132130    **SPECTRUM PA WALL**

#### Double side double PIR outdoor detector

Detection through double side (right + left) double PIR - Detection range from 3 to 12 meters per side - Tamper through accelerometer - Light filter - Digital temperature compensation - Detection angle up to 10° - Installation height 1,2 meters - PET Immunity - Block input for alarm relay - Auxiliary input for tamper or alarm - Alarm output /nc - Tamper output c/nc - End of line resistors selectable for: alarm-tamper-antimasking (2,2 - 4,7 - 5,6 - 10 Kohm) - Walk test with led and buzzer activation - Power supply from 10.5 Vdc to 15 Vdc - Power consumption in stand-by 25mA - Power consumption in alarm 31mA - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm

**Protection class: IP 55**

## SPECTRUM - DIGITAL DETECTORS FOR OUTDOOR PROTECTION



Code Item - Features

### 1132135 SPECTRUM PA WALL AM

#### Double side double PIR outdoor detector with antimasking

Detection through double side (right + left) double PIR - Detection range from 3 to 12 meters per side - Anti-masking with active IR (left + right) - Tamper through accelerometer - Light filter - Digital temperature compensation - Detection angle up to 10° - Installation height 1,2 meters - PET Immunity - Block input for alarm relay - Auxiliary input for tamper or alarm - Alarm output /nc - Tamper output c/nc - End of line resistors selectable for: alarm-tamper-antimasking (2,2 - 4,7 - 5,6 - 10 Kohm) - Walk test with led and buzzer activation - Power supply from 10.5 Vdc a 15 Vdc - Power consumption in stand-by 25mA - Power consumption in alarm 31mA - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm

**Protection class: IP 55**

## ACCESSORIES FOR ONE AND SPECTRUM DETECTORS

OSC



### 1135113 OSC

#### Protection for detector ONE

Cover for rain protection for detector ONE

SSC



### 1135110 SSC

#### Rain protection cap for Spectrum

Frontal shield for rain protection

SSD



### 1135111 SSD

#### Spacer for Spectrum

47 mm spacer, included by default for STD series

### 1135109 SSL

#### Optional lens for Spectrum

Optional lens to install SPECTRUM at 2,2 meters high (not for WALL models)

SSL



### 1135112 STA

#### Tamper for Spectrum

Optional mechanical tamper

KB  
KBT



### 1134109 KB

#### Wall bracket for detectors SPY/ONE/SPECTRUM

Same features of KBT - without anti-removal tamper

### 1134110 KBT

#### Wall bracket with tamper for detectors SPY/ONE/SPECTRUM

Anti-removal wall tamper - Internal cable passing - Compatibility: SPY/ONE/SPECTRUM

## OUTSPIDER - DIGITAL DETECTOR FOR OUTDOOR PROTECTION



### 1132108 OUTSPIDER DT

#### Outdoor dual technology detector with antimasking

Dual passive infrared + dual MW channel - range from 15 to 23 m - Coverage from 5° to 90° m (optional lens included) - Anti-masking function with active infrared - PET Immunity - Frequency: 10,525 GHz - "GREEN FUNCTION": Microwave block function when panel is disarmed - Consumption: 65-77 mA - Power supply: 13.8 Vdc - Protection tamper against cover opening - Protection tamper against removal from wall - Alarm relay at positive security - RS485 serial for communication to AVS systems - USB port of programming - walk test LED and buzzer - Set-up for a videocamera - Working temperature: - 25 C° + 55 C° - Dimensions (DxLxH): 135 x 140 x 240 mm - **Protection class: IP 65**



## BM HP - DIGITAL MICROWAVE BARRIERS SUPPLY VOLTAGE 13,8 VDC



BM 60 HP



BM 120 HP  
BM 200 HP

Code Item - Features

### 1141155 **BM 60 HP**

#### Digital outdoor microwave barrier 60 meters range

MW range: up to 60 meters - Separate outputs for alarm, disqualification and tamper - Additional input for outdoor detectors - RS485 connection to ULTRA, XTREAM and XSATHP - USB connection directly to PC - Complete management by PC via HPWIN software - Alarm memory - False alarm filter - Consumption: 130 mA (TX + RX) - Supplying: 13,8 Vdc - Dimensions (LxHxD): 111 x 152 x 196 mm - Housing: plastic box with inside calibration - **CERTIFICATION FCC**

### 1141156 **BM 120 HP**

#### Digital outdoor microwave barrier 120 meters range

Same as BM 60 HP with MW range up to 120 meters - Dimensions (LxHxD): 136 x 225 x 225 mm **CERTIFICATION FCC**

### 1141157 **BM 200 HP**

#### Digital outdoor microwave barrier 200 meters range

Same as BM 120 HP with MW range up to 200 meters - Dimensions (LxHxD): 136 x 225 x 225 mm **CERTIFICATION FCC**

## BM HP - DIGITAL MICROWAVE BARRIERS SUPPLY VOLTAGE 230 VAC



BM 60 HP VAC  
BM 120 HP VAC  
BM 200 HP VAC

### 1141161 **BM 60 HP VAC**

#### Digital outdoor microwave barrier 60 meters range, 230 Vac

MW range: up to 60 meters - Separate outputs for alarm, disqualification and tamper - Additional input for outdoor detectors - RS485 connection to ULTRA, XTREAM and XSATHP - USB connection directly to pc - Complete management by pc via HPWIN software - Alarm memory - False alarm filter - Consumption: 130 mA (TX + RX) - Supplying: 230 Vac, battery not included - Dimensions (LxHxD): 136 x 225 x 225 mm - Housing: plastic box with inside calibration - **CERTIFICATION FCC**

### 1141162 **BM 120 HP VAC**

#### Digital outdoor microwave barrier 120 meters range, 230 Vac

Same as BM60HP VAC with MW range up to 120 meters - Dimensions (LxHxD): 136 x 225 x 225 mm **CERTIFICATION FCC**

### 1141163 **BM 200 HP VAC**

#### Digital outdoor microwave barrier 200 meters range, 230 Vac

Same as BM 120 HP VAC with MW range up to 200 meters - Dimensions (LxHxD): 136 x 225 x 225 mm **CERTIFICATION FCC**

## BM HP - DIGITAL MICROWAVE BARRIERS SUPPLY VOLTAGE 13,8 VDC - 24 GHZ



BM 60 HP 24G  
BM 120 HP 24G

DISPONIBILE  
**24 GHz**  
AVAILABLE

### 1141174 **BM 60 HP 24G**

#### Digital outdoor microwave barrier 60 meters range - 24 GHz

MW range: up to 60 meters - Frequency 24 GHz - separate outputs for alarm, disqualification and tamper - Additional input for outdoor detectors - RS485 connection to ULTRA, XTREAM and XSATHP - USB connection directly to PC - Complete management by PC via HPWIN software - Alarms memory - False alarm filter - Consumption: 345 mA (TX + RX) - Power supply: 13,8 Vdc - Dimensions (LxHxD): 111 x 152 x 196 mm - Housing: plastic box with inside adjustment - **CERTIFICATION FCC**

### 1141175 **BM 120 HP 24G**

#### Digital outdoor microwave barrier 120 meters range - 24 GHz

Same as BM 60 HP with MW range up to 120 meters - Dimensions (LxHxD): 136 x 225 x 225 mm **CERTIFICATION FCC**

## BM HP - DIGITAL MICROWAVE BARRIERS SUPPLY VOLTAGE 230 VAC - 24 GHZ



BM 60 HP 24G VAC  
BM 120 HP 24G VAC

DISPONIBILE  
**24 GHz**  
AVAILABLE

Code Item - Features

### 1141176 **BM 60 HP 24G VAC**

**Digital outdoor microwave barrier 60 meters range - 24 GHz, 230 Vac**

MW range: up to 60 meters - Frequency 24 GHz - Separate outputs for alarm, disqualification and tamper - Additional input for outdoor detectors - RS485 connection to ULTRA, XTREAM and XSATHP - USB connection directly to PC - Complete management by PC via HPWIN software - Alarm memory - False alarm filter - Consumption: 345 mA (TX + RX) - Supplying: 230 Vac, battery not included - Dimensions (LxHxD): 136 x 225 x 225 mm - Housing: plastic box with inside calibration

### 1141177 **BM 120 HP 24G VAC**

**Digital outdoor microwave barrier 120 meters range - 24 GHz, 230 Vac**

Same as BM 60 HP VAC with MW range up to 120 meters - Dimensions (LxHxD): 136 x 225 x 225 mm

## ACCESSORIES FOR DIGITAL OUTDOOR DETECTORS AND BM HP BARRIERS



### 1143118 **BATT BM HP VAC**

**Battery for microwave barriers**

Lead acid sealed battery 12 Vdc 0,8 A

### 1180227 **PRO BUS**

**Serial RS485 protection module**

The PRO BUS module offers greater protection of the RS 485 serial bus from voltage transients, caused by lightning or voltage fluctuations. Recommended for use in photovoltaic sites or large industrial plants. Available serials bus: n° 1 serial bus input / n° 1 serial bus output - Power supply: 13.8 Vdc - Maximum consumption: 0 mA - Dimensions (LxHxP): 45 x 40 x 20 mm - Compatibility: AVS Electronics RS485 serial bus.

### 1135105 **USB-OUT**

**USB cable adapter**

USB cable adapter for OUTSPIDER detector - Compatibility with OUTSPIDER range

### 1143113 **XOC8**

**Outputs extension module**

Outputs: 8 OC open collector - Connection: PLUG-IN - Consumption: 5mA - Dimensions: 58 x 35 x 25 mm (LxHxD) - Compatibility: XSATHP

### 1143112 **XSATHP**

**Extension PCB for digital detectors RS485 BUS**

Inputs: 4 balanced - Outputs: 8 OC open collector outputs + 8 via optional module XOC8 - Serials: 1 RS485 serial for connection to Xstream Control panel, 2 RS485 serials for connection of serial detectors - Serial peripherals : maxi 16 in stand-alone mode, max 32 in serial mode with Xstream Control panel - Telephone dialler: PSTN integrated, optional GSM mod. XGSM - Consumption: 250 mA - Supplying: 13.8 Vdc - USB programming port for connection to PC and HPWIN software - Dimensions: 230 x 140 x 25 mm (LxHxD) - Compatibility: Ultra/Xstream/Capture Control panels or stand-alone (universal), OUTSPIDER, BM HP, ONE HP, JET HP, XSAT MINI

**GSM COMMUNICATION ACCESSORIES SEE PAG. 24**

### 1104111 **HPWIN**

**Programming software for digital peripherals**

Functions: program and configuration of control panel for OUTSPIDER, BM HP, JET HP and ONE HP detectors - Local Programming via direct USB connection or remotely via PSTN telephone line with standard modem V.90 or GSM modem and ETHERNET-TCP-IP network - Real time supervision, signals and diagnostic visualization - Special functions: it allows the configuration of any single parameter in programming, archive database, events memory download - Firmware upgrading with direct connection to peripheral via USB port - System data: Windows® XP SP2®, VISTA®, Windows 7/8/10® - Compatibility to modem: standard modem V.90 - Compatibility: XSATHP, OUTSPIDER, ONE HP, JET HP, BM HP - NOTE: ® the above trademarks belong to their respective owners



## WING2 - INFRARED AND DUAL TECHNOLOGY DETECTORS

Code      Item - Features



**1130119 WING2**  
Curtain infrared detector

Coverage: 4 m 70° curtain - Fresnel lens: 3 detection zones on 1 plane - Current consumption: 13 mA - Recommended for installation on windows, doors - Features: automatic temperature compensation - Dimensions (LxHxD): 35 x 110 x 31 mm



**1130120 WING2 B**  
Curtain infrared detector

Same as WING2 with brown housing

**1130121 WING2 DT**  
Dual technology curtain detector PIR+MW

ACTIVE INFRARED ANTIMASKING PROTECTION coverage: 4 m. 70° - Curtain coverage - Fresnel lens: 3 detection zones on 1 plane - Functions: AND IR+MW - Current consumption: 38 mA - Recommended for installation on windows and doors - Features: automatic temperature compensation - Dimensions (LxHxD): 35 x 110 x 31 mm

## ANALOG MICROWAVE BARRIERS



BM60 M

**1141147 BM 60 M**  
Microwave barrier 60 meters range

Detection range MW: up to 60 m - Modulation frequencies: 5 selectable by DIP - Supply voltage: 13,8 Vdc - Current consumption TX+RX: 100 mA - Dimensions (LxHxD): 111x152x196 mm - Housing: ABS with internal inclination adjustment



BM120 M  
BM200 M

**1141100 BM 120 M**  
Microwave barrier 120 meters range

Detection range MW: up to 120 m - Modulation frequencies: 5 selectable by DIP - Supply voltage: 13,8 Vdc - Current consumption TX+RX: 100mA - Dimensions (LxHxD): 136 x 225 x 225 mm - Housing: ABS with internal inclination adjustment

**1141113 BM 200 M**  
Microwave barrier 200 meters range

Detection range MW: up to 200 m - Modulation frequencies: 5 selectable by DIP - Supply voltage: 13,8 Vdc - Current consumption TX+RX: 100mA - Dimensions (LxHxD): 136 x 225 x 225 mm - Housing: ABS with internal inclination adjustment

Code      Item - Features

**1135101    KIT SP**  
**Inox bracket pole mounting for Spectrum**  
 2 pieces - Pole diameter: 40 mm - Compatibility with SPECTRUM



SP OUT

**1135106    SP-OUT**  
**Pole mounting bracket for Outspider**  
 Pole diameter : 40 mm - Compatibility: OUTSPIDER range



SM OUT

**1135107    SM-OUT**  
**Wall mounting 90° bracket for Outspider**  
 90° stainless steel support - Compatibility: OUTSPIDER range

**1135108    ST-OUT**  
**Pipe-fixing bracket for Outspider**  
 Support in steel for wall fixing of an electric tube Ø 20 mm - Compatibility: OUTSPIDER range



SB 20

**1143107    SB 20**  
**Wall bracket 20 cm for BM barriers**  
 Cold galvanizing - Compatibility with: BM M, BM HP



SB 60

**1143108    SB 60**  
**Wall bracket 60 cm for BM barriers**  
 Cold galvanizing - Compatibility with: BM M, BM HP



SB 120

SB 130

**1143105    SB 120**  
**Floor standing pole 120 cm for BM barriers**  
 Cold galvanizing - Compatibility with: BM M, BM HP

**1143106    SB 130**  
**Buried pole 130 cm for BM barriers**  
 Cold galvanizing - Compatibility with: BM M, BM HP



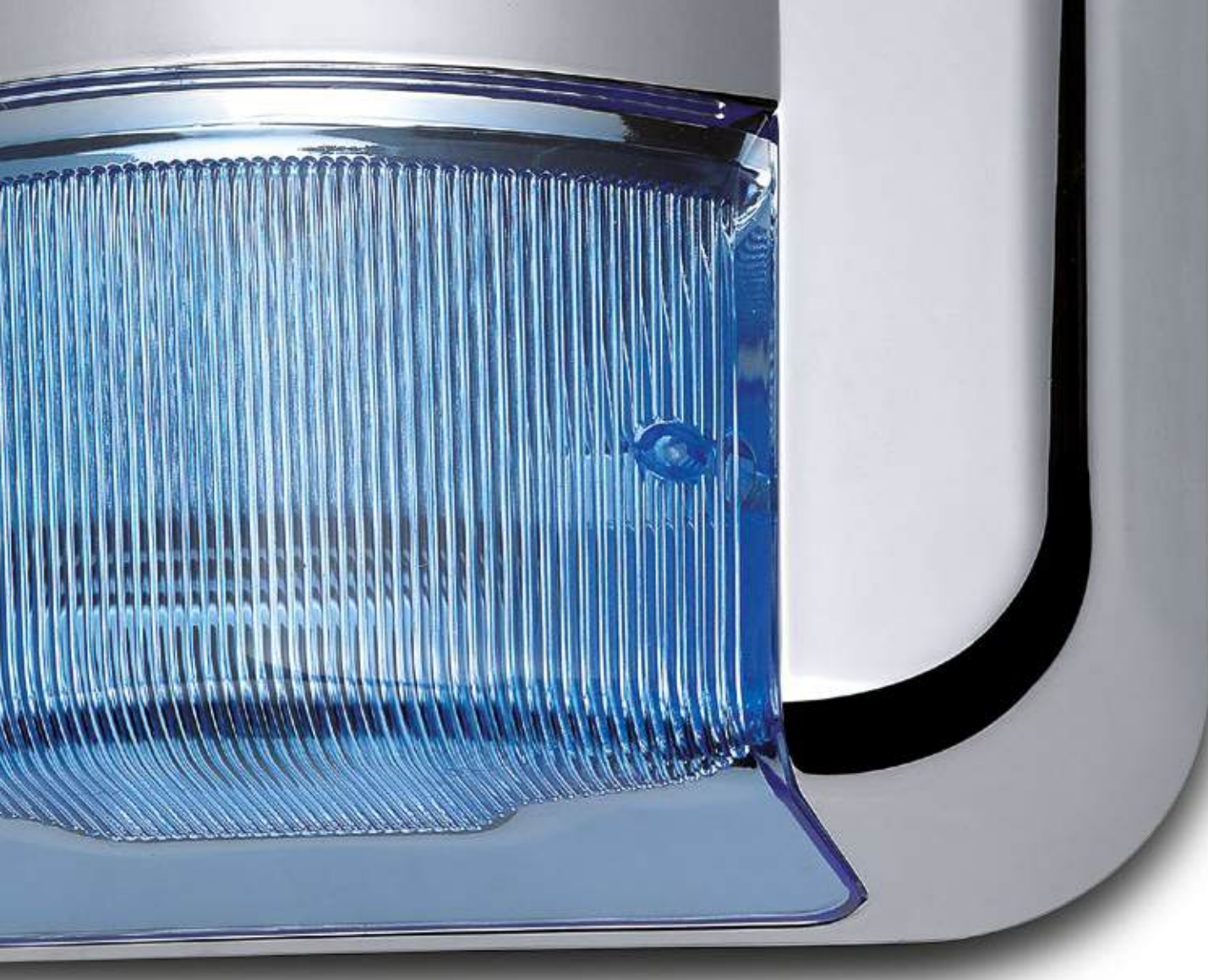
TERM 1

**1143102    TERM 1**  
**Heating kit**  
 1 piece - Compatibility with: BM M, BM HP



AMP

**1143100    AMP**  
**Anti-removal kit for BM**  
 1 piece - Compatibility with: BM M, BM HP



## Beautiful and powerful like the legendary "sirens"



A range of sirens for the acoustic signalisation of alarms in small, medium and big plants. Many models, looks and performances, the sirens have low consumption LED optics for system status notification, easily adaptable to any applications.

Code Item - Features



TS 22

**1160100 TS 22 B****Indoor siren**

Sound level: 2 - Power supply: 12 Vdc - Colour white - Current consumption: adjustable (200 - 600 mA) - Dimensions (LxHxD): 150 x 110 x 50 mm

**1160102 TS 22 LST****Loud speaker**

Colour white - Dimensions (LxHxD): 150 x 110 x 50 mm

## CITY LED RANGE - OUTDOOR SELF-POWERED SIRENS



CITY LED

**1161140 CITY LED****Outdoor LED siren - Ivory Abs**

1 x alarm LED - 1 x red system status LED - Tamper device: anti-opening and anti-removal - Sound power level: 105 dB at 3 m. - Function for disabling initial start-up alarm - Function for limiting the number of alarms to 5 in 24H - Zinc-plated internal protection cover - Housing: ABS, Ivory look finishing - Cover Flash: transparent - Dimensions (HxLxW): 255 x 200 x 80 mm - Power consumption: max 2.5 A in alarm mode, 100 mA with limiter - Power supply: 13.8 Vdc and 12 Vdc 2.1 A battery

**1161128 CITY LED PLUS****Outdoor Led siren with advanced functions - Ivory Abs**

1 x alarm LED - 1 x red system status LED - 1 x programmable green LED - Tamper device: mechanical anti-opening and anti-removal - Accelerometer for tamper, temperature and perforation alarm signalling function - Sound power level: 105 dB at 3m. - 8 selectable tones - Volume control - Siren stopping control - Function for disabling initial start-up alarm - Function for limiting the number of alarms to 5 in 24H - Zinc-plated internal protection cover - Housing: ABS, Ivory Classic look finishing - Cover Flash: transparent - Dimensions (HxLxW): 255 x 200 x 80 mm - Power consumption: max 2.5 A in alarm mode, 100 mA with current limiter - Power supply: 13.8 Vdc and 12 Vdc 2.1 A battery

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

## CITY LED RANGE - OUTDOOR SELF-POWERED SIRENS WITH RS485 BUS

**1161129 CITY LED HP****Outdoor Led siren on RS485 Bus - Ivory Abs**

1 x alarm LED - 1 x red system status LED - 1 x programmable green LED - Tamper device: mechanical anti-opening and anti-removal - Accelerometer for tamper, temperature and perforation alarm signalling function - Sound power level: 105 dB at 3m. - 8 selectable tones - Volume control - Siren stopping control - Function for disabling initial start-up alarm - Function for limiting the number of alarms to 5 in 24H - Zinc-plated internal protection cover - Housing: ABS, Ivory Classic look finishing - Cover Flash: transparent - Dimensions (HxLxW): 255 x 200 x 80 mm - Power consumption: max 2.5 A in alarm mode, 100 mA with current limiter - Power supply: 13.8 Vdc and 12 Vdc 2.1 A battery - Compatibility and connection: RS485 serial Bus, ULTRA and Xstream control panel

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

**NOTE: COLOR RANGE AT PAGE 75**

## TS85 LED RANGE - OUTDOOR SELF-POWERED SIRENS

Code Item - Features



TS85P LED PLUS

### 1161132 TS 85P LED PLUS

#### Outdoor Led siren - Ivory Abs

1 x alarm LED - 1 x red system status LED - 1 x programmable green LED - Tamper device: mechanical anti-opening and anti-removal - Accelerometer for tamper, temperature and perforation alarm signalling function - Sound power level: 105 dB at 3m. - 8 selectable tones - Volume control - Siren stopping control - Function for disabling initial start-up alarm - Function for limiting the number of alarms to 5 in 24H - Zinc-plated internal protection cover - Housing: base and cover in ABS, Ivory look finishing - Cover Flash: transparent - Dimensions (HxLxW): 290 x 235 x 110 mm - Power consumption: max 2.5 A in alarm mode, 100 mA with current limiter - Power supply: 13.8 Vdc and 12 Vdc 2.1 A battery

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

### 1161134 TS 85V LED PLUS

#### Outdoor Led siren - Ivory Metal

Same features as the TS85 P LED PLUS with: - Housing: base in ABS, external cover in Ivory look painted steel and second internal cover in painted steel, Ivory Classic look finishing - Cover Flash: transparent

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

### 1161136 TS 85X LED PLUS

#### Outdoor Led siren - Stainless Steel

Same features as the TS85 P LED PLUS with: - Housing: base in ABS, internal cover in painted steel, external cover in stainless steel - Cover Flash: light blue

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

## TS85 LED RANGE - OUTDOOR SELF-POWERED SIRENS WITH RS485 BUS



TS85X LED PLUS

### 1161133 TS 85P LED HP

#### Outdoor Led siren on RS485 Bus - Ivory Abs

1 x alarm LED - 1 x red system status LED - 1 x programmable green LED - Tamper device: mechanical anti-opening and anti-removal - Accelerometer for tamper, temperature and perforation alarm signalling function - Sound power level: 105 dB at 3m. - 8 selectable tones - Volume control - Siren stopping control - Function for disabling initial start-up alarm - Function for limiting the number of alarms to 5 in 24H - Zinc-plated internal protection cover - Housing: base and cover in ABS, second internal cover in painted steel, Ivory look finishing - Cover Flash: transparent - Dimensions (HxLxW): 290 x 235 x 110 mm - Power consumption: max 2.5 A in alarm mode, 100 mA with current limiter - Power supply: 13.8 Vdc and 12 Vdc 2.1 A battery - Compatibility and connection: RS485 serial Bus, ULTRA and Xstream control panel

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

### 1161135 TS 85V LED HP

#### Outdoor Led siren on RS485 Bus - Ivory Metal

Same features as the TS85 P LED HP with: - Housing: base in ABS, external cover in Ivory look painted steel and second internal cover in painted steel, Ivory look finishing - Cover Flash: transparent

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**

### 1161137 TS 85X LED HP

#### Outdoor Led siren on RS485 Bus - Stainless Steel





Same features as the TS85 P LED HP with: - Housing: base in ABS, internal cover in painted steel, external cover in stainless steel - Cover Flash: light blue

**CERTIFICATION: INCERT EN50131 GRADE 3 CLASS 4**



**NOTE: COLOR RANGE AT PAGE 75**



CITY LED - COLOR RANGE

	<b>LED SELF-POWERED OUTDOOR SIREN INOX LOOK ABS</b>	<b>CITY X LED</b> 1161141	<b>CITY X LED PLUS</b> 1161130	<b>CITY X LED HP</b> 1161131
	<b>LED SELF-POWERED OUTDOOR SIREN CARBON LOOK ABS</b>	<b>CITY CARBON LED</b> 1161142	<b>CITY CARBON LED PLUS</b> 1161143	<b>CITY CARBON LED HP</b> 1161144
	<b>LED SELF-POWERED OUTDOOR SIREN COPPER LOOK ABS</b>	<b>CITY C LED</b> 1161147	<b>CITY C LED PLUS</b> 1161149	<b>CITY C LED HP</b> 1161151
	<b>LED SELF-POWERED OUTDOOR SIREN BRONZE LOOK ABS</b>	<b>CITY B LED</b> 1161146	<b>CITY B LED PLUS</b> 1161148	<b>CITY B LED HP</b> 1161150

TS85 LED - COLOR RANGE

	<b>LED SELF-POWERED OUTDOOR SIREN COPPER LOOK ABS</b>	<b>TS85P C LED PLUS</b> 1161153	<b>TS85P C LED HP</b> 1161155
	<b>LED SELF-POWERED OUTDOOR SIREN BRONZE LOOK ABS</b>	<b>TS85P B LED PLUS</b> 1161152	<b>TS85P B LED HP</b> 1161154



**CUSTOMIZE YOUR NEW SIREN WITH THE COLORS YOU WANT.  
PRICE AND QUANTITIES ON REQUEST.**

## BOX ALARM SIRENS



Code      Item - Features  
1184166    **BOX CITY LED/PLUS/HP**  
Box CITY LED - Ivory look ABS



1184167    **BOX CITY X LED/PLUS/HP**  
Box CITY X LED - Inox look ABS



1184159    **BOX CITY CARBON**  
Box CITY CARBON LED - Carbon look ABS



1184176    **BOX CITY C**  
Box CITY C LED - Copper look ABS



1184175    **BOX CITY B**  
Box CITY B LED - Bronze look ABS



1184168    **BOX TS85P LED/HP**  
Box TS 85P LED PLUS - Ivory look ABS



1184169    **BOX TS85V LED/HP**  
Box TS 85V LED PLUS - Ivory look metal



1184170    **BOX TS85X LED/HP**  
Box TS 85X LED PLUS - Stainless Steel



1184178    **BOX TS 85P C**  
Box TS 85P C LED - Copper look ABS



1184177    **BOX TS 85P B**  
Box TS 85P B LED - Bronze look ABS



CF SIREN FLASH COVER WITH DIFFERENT TRANSPARENT COLOURS

Code Item - Features

9088101 **S85**

**Optical anti-foam module for Led/Plus sirens**

Optical anti-foam detector with dual active infrared - PLUG-IN connection on the circuit of the sirens CITY LED PLUS, TS85 LED P/V/X PLUS and HP SERIES

1184161 **CFB**

**Light blue cover flash**

Flash cover with light blue finishing - Compatibility with CITY LED and TS85 LED range

1184147 **CFO**

**Orange flash cover**

Flash cover with orange finishing - Compatibility with CITY LED and TS85 LED range

1184172 **CFR**

**Red flash cover**

Siren flash cover with red finishing - Compatibility with CITY LED and TS85 LED range

1184160 **CFT**

**Transparent flash cover**

Siren flash cover with transparent finishing - Compatibility with CITY LED and TS85 LED range

1165141 **MOD CITY LED**

**Spare electronic module for CITY LED siren**

Compatibility: CITY LED

1165140 **MOD TS85 LED**

**Spare electronic module for CITY/TS85 LED PLUS**

Compatibility: CITY LED PLUS, TS85 LED PLUS

1165142 **MOD SIR HP**

**Spare electronic module for CITY HP and TS85 HP siren**

Compatibility: CITY LED HP, TS85 LED HP

1184162 **COS LED**

**Loud speaker for LED range sirens**

Electromagnetic loud speaker, sound power level 105 dB at 3m - Compatibility with CITY LED and TS85 LED / PLUS / HP sirens

1184113 **TAMPER CITY LED**

**Spare tamper**

Compatibility: CITY LED

1184157 **TAMPER CITY LED PLUS/HP**

**Spare tamper**

Compatibility: CITY LED PLUS /HP

1184158 **TAMPER TS85 LED/HP**

**Spare tamper**

Compatibility: TS 85 LED /HP

ACTIVE IR FIRE BEAM  
**BF**SERIES

Code Item - Features



4442103 **BF 100 A**

**Optical beam smoke barrier**

Detection range: max 100 m – Power supply: from 11,5 to 27,8 Volt - Functions: active infrared (TX + RX) - Features: microprocessor with serial RS485 output - Visualization: 3 leds - Relay outputs: alarm, fault (separate) - Current consumption: 25 mA (TX+RX) – Operating Temperature: - 25°C to +55°C - Dimensions (LxHxD): 159 x 211 x 96 mm - **Certification: EN54-12**



4442104 **BF40R**

**Reflective optical beam smoke barrier 40 mt**

4442105 **BF60R**

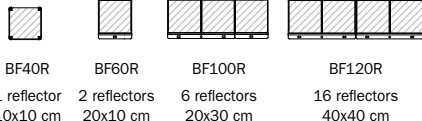
**Reflective optical beam smoke barrier 60 mt**

4442106 **BF100R**

**Reflective optical beam smoke barrier 100 mt**

4442107 **BF120R**

**Reflective optical beam smoke barrier 120 mt**



Detection range: max 120 m – Power supply: from 11,5 to 27,8 Volt - Functions: active infrared with reflector - Features: microprocessor with serial RS485 output - Visualization: 3 leds - Relay outputs: alarm, fault (separate) - Current consumption: 10 mA at 24V – Operating Temperature: - 25°C to +55°C - Dimensions (LxHxD): 159 x 211 x 96 mm - **Certification: EN54-12**



BRC 4

4403204 **BRC 4**

**Remote control panel 4"**

Remote monitoring panel for displaying the status of BF barriers. Connection via serial BUS RS485, the panel can monitor up to 16 barriers.



BRC 8

4403200 **BRC 8**

**Remote control panel 8"**

Remote monitoring panel for displaying the status of BF barriers. Connection via serial BUS RS485, the panel can monitor up to 16 barriers.



BRC 10

4403201 **BRC 10**

**Remote control panel 10"**

Remote monitoring panel for displaying the status of BF barriers. Connection via serial BUS RS485, the panel can monitor up to 16 barriers.



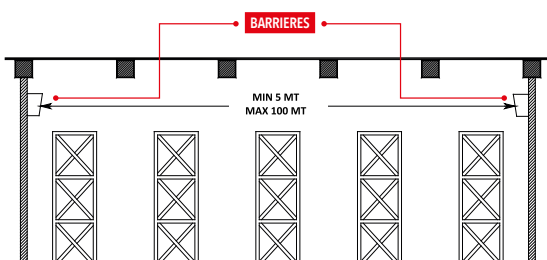
BF TEST

4444001 **BF TEST**

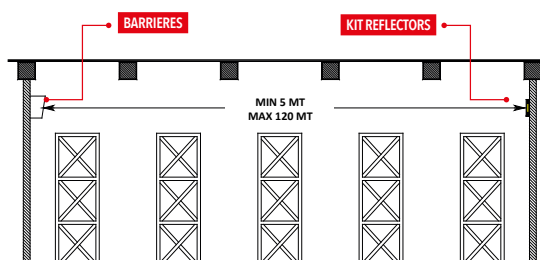
**KIT test filter for BF Series**

KIT test filter for BF Series barriers

Application example BF100A



Application example BF SERIES





Foggy



## What if "fog" is the solution?



Many thefts or robberies are carried in just a few minutes, time that elapses exactly between the signaling and the arrival of the police. Foggy with its security fog, disorients the thief and prevents that the burglar happens, blocking this "time" of possible attack.

Code Item - Features

Foggy<sup>30</sup>**1176113 FOGGY 30W****Fogging protection system, white box ideal for areas of about 100 m<sup>2</sup>**

Coverage volumes: 10" activation: 100 m<sup>3</sup> / 20" activation: 200 m<sup>3</sup> / 60" activation: 300 m<sup>3</sup> , 60" of pulsed activation: until 1900 m<sup>3</sup> - Tank capacity 1 liter - Number of activations: 50 activations of 10" each - 16 activations of 30" each - Wireless anti-robbery (standard receiver), BIP remote control (optional) - Nozzles available: 90° with one jet (series)/3 with different angles (optional) - Supplying 220 Vac - Consumption during heating 600 Watt - Maintenance consumption 60 / 120 Watt - Back-up battery: 2 x 12 Vdc 1,2Ah - Initial heating time 12 minutes - Heating time after an activation: max 3 minutes - Functioning during mains 230 Vac absence: max 1 hour - Status indication by led and display - Inputs for system arming: according to alarm system ON/OFF - First stage: pre-alarm – second stage: alarm – jet activation - Indication outputs: Delivery on – Tampering, liquid level, technical trouble, mains absence, battery level, damaged battery, pump malfunctioning, PCB temperature, heater temperature - Output 12 Vdc - System cabling universal standards with outputs at free exchange - Events memory 1000 events - System diagnosis: Via USB connection on the control PCB or with GSM remote connection by optional PCB XGSM - Firmware updating via PC with dedicated software – Metal housing white color - Dimensions (LxHxD): 358 x 264 x 166 mm - Weight: 15 Kg.

**IMQ APPROVAL – EN 50131-8****SUPPLIED with FULL TANK AND SINGLE-JET 90° NOZZLE****1176114 FOGGY 30G****Fogging protection system, grey box**

Same features as Foggy 30W with grey box

**1176115 FOGGY 30A****Fogging protection system, anthracite box**

Same features as Foggy 30W with anthracite-grey box

Foggy<sup>50</sup>**1176100 FOGGY 50W****Fogging protection system, ideal for areas of about 250 m<sup>2</sup>**

Coverage volumes: 20" activation: 250 m<sup>3</sup> / 40" activation: 500 m<sup>3</sup> / 60" activation: 750 m<sup>3</sup> , 60" of pulsed activation: up to 1900 m<sup>3</sup> - Tank capacity 1.3 liters - Number of activations: 35 activations of 20" each - 11 activations of 60" each - Wireless anti-robbery (standard receiver), BIP remote control (optional) - Nozzles available: 90° with one jet (series)/3 with different angles (optional) - Supplying 220 Vac - Consumption during heating 600 Watt - Maintenance consumption 60 / 200 Watt - Back-up battery: 2 x 12 Vdc 1,2Ah - Initial heating time 20 minutes - Heating time after an activation: max 5 minutes - Functioning during mains 220 Vac absence: max 1 hour - Status indication by led and display - Inputs for system arming: according to alarm system ON/OFF - First stage: pre-alarm – second stage: alarm – jet activation - Indication outputs: Delivery on – Tampering, liquid level, technical trouble, mains absence, battery level, damaged battery, pump malfunctioning, PCB temperature, heater temperature - Output 12 Vdc - System cabling universal standards with outputs at free exchange - Events memory 1000 events - System diagnosis: Via USB connection on the control PCB or with GSM remote connection by optional PCB XGSM - Firmware updating via PC with dedicated software – Metal housing white color - Dimensions (LxHxD): 480x353x166 mm - Weight: 22 Kg.

**IMQ APPROVAL – EN 50131-8****SUPPLIED with FULL TANK AND SINGLE-JET 90° NOZZLE****1176101 FOGGY 50G****Fogging protection system, grey box**

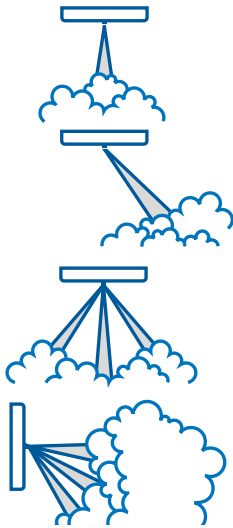
Same features as Foggy 50W with grey box

**1176102 FOGGY 50A****Fogging protection system, anthracite box**

Same features as Foggy 50W with anthracite-grey box

## ACCESSORIES FOR FOGGY

ER 160



PRL10



RIC 15  
RIC 10



LBL



FDEMO 30



Code Item - Features

1176103 **ER160**  
**Single-jet nozzle opening at 60°**

It makes a single jet with 60° inclination. Recommended for ceiling installation

1176105 **ER360**  
**Three-jet nozzle opening at 60°**

It makes three jets with 60° inclination. Recommended for wall installation

1176104 **ER390**  
**Three-jet nozzle opening at 90°**

It makes three jets with 90° inclination. Recommended for ceiling installation

1176106 **PRL10**  
**Foggy 10 cm extension for nozzle**

10 cm nozzle extension. Recommended for installation between ceiling and countertop

1176112 **KEY ER**  
**Socket wrench for nozzle**

Socket wrench for an easy nozzle removal

1176107 **SRB15**  
**Additional tank 1,5 Liters**

Steel tank: allows the recharge of 1,3 liters liquid. Sensor of liquid level managed by microprocessor with indication of low liquid level. **SUPPLIED FULL OF FOGGING LIQUID**

1176116 **SRB10**  
**Additional tank 1 Liters**

Steel tank: allows the recharge of 1 liters liquid. Sensor of liquid level managed by microprocessor with indication of low liquid level. **SUPPLIED FULL OF FOGGING LIQUID**

1176111 **RIC15**  
**Recharge of fogging liquid 1,3 Liters**

Tank recharge of 1,3 liter of fogging liquid. Return empty tank managed, memory reset of liquid level

1176117 **RIC10**  
**Recharge of fogging liquid 1 Liters**

Tank recharge of 1 liter of fogging liquid. Return empty tank managed, memory reset of liquid level

1176109 **LBL**  
**Label indicating "Protected Area"**

Adhesive label to stick near the protected area to show and warn about lack of visibility caused by the activation of the system

1176108 **LFT**  
**Pulley Kit for installation to the ceiling**

Use: suggested to lift FOGGY when installed between ceiling and countertop

1104112 **FWIN**  
**Software**

PC software for local programming via USB port or via GSM connection with XGSM optional module - Real time control and diagnostic, temperature and liquid level control - Special functions: GSM module set-up, memory events, firmware update - System data: Windows® XP SP2®, VISTA®, Windows 7/8/10® - NOTE:® the above trademarks belong to their respective owners

1176110 **FDEMO**  
**Foggy 50 System - demonstration kit**

1176118 **FDEMO30**  
**Foggy 30 System - demonstration kit**



# ALPHABETICAL PRODUCTS INDEX

CODE	PRODUCT	FEATURES	PAGE
1111100	A300	Compact LCD keypad with white cover	22
1111119	A500	Smart LCD keypad - white color	22
1111120	A500 PLUS	Smart LCD keypad with audio and NFC Ready -white color	22
1113104	A500 PLUS WS4	Bidirectional LCD wireless keypad, with advanced functions, white colour	46
1111141	A500 PLUS XS4	Smart LCD keypad with audio, NFC ready and bidirectional radio extension module	22
1113100	A500 WS4	Bidirectional LCD wireless keypad, white colour	46
1111140	A500 XS4	Smart LCD keypad white color with bidirectional radio extension module	22
1111109	A600 EVO	Compact LCD keypad	23
1111110	A600 EVO PLUS	Advanced LCD keypad with audio and proximity reader TOUCH/NFC	23
1111144	A1000 BLACK TOUCH SENSE	Touch Sense keypad 192x64 pixel - black cover	17
1111145	A1000 PLUS BLACK TOUCH SENSE	Advanced Touch Sense keypad with proximity reader and audio output - 192x64 pixels - BLACK	17
1111147	A1000 PLUS WHITE TOUCH SENSE	Advanced Touch Sense keypad with proximity reader and audio output - 192x64 pixels - WHITE	17
1111146	A1000 WHITE TOUCH SENSE KEYPAD	Touch Sense keypad 192x64 pixel - white cover	17
1150154	AIR	NFC key ring proximity tag	23
1164110	ALCITYWS 4	Power supply unit for wireless bidirectional siren	56
1143100	AMP	Anti-removal kit	71
1143116	AMPLIBUS	Insulator and serial RS485 amplifier	30
1143118	BATT BM HP VAC	Battery for microwave barriers	69
1194100	BATT D4	Battery for bidirectional wireless siren CITY WS 4	59
4442103	BF 100 A	Optical beam smoke barrier	79
4444001	BF TEST	KIT test filter for BF Series	79
4442106	BF100R	Reflective optical beam smoke barrier 100 mt	79
4442107	BF120R	Reflective optical beam smoke barrier 120 mt	79
4442104	BF40R	Reflective optical beam smoke barrier 40 mt	79
4442105	BF60R	Reflective optical beam smoke barrier 60 mt	79
	BIOS	Programming software for ULTRA control panel	13
1112122	BIP 4 PLUS	Bidirectional 8-channels remote control - ivory housing	46
1112123	BIP 4 PLUS C	Bidirectional 8-channels remote control - carbon look	46
1141156	BM 120 HP	Digital outdoor microwave barrier 120 meters range	68
1141175	BM 120 HP 24G	Digital outdoor microwave barrier 120 meters range - 24 GHz	68
1141177	BM 120 HP 24G VAC	Digital outdoor microwave barrier 120 meters range - 24 GHz	69
1141162	BM 120 HP VAC	Digital outdoor microwave barrier 120 meters range	68
1141100	BM 120 M	Microwave barrier 120 meters range	70
1141157	BM 200 HP	Digital outdoor dual technology detector IR+MW 200 meters	68
1141163	BM 200 HP VAC	Digital outdoor microwave barrier 200 meters range	68
1141113	BM 200 M	Microwave barrier 200 meters range	70
1141155	BM 60 HP	Digital outdoor microwave barrier 60 meters range	68
1141174	BM 60 HP 24G	Digital outdoor microwave barrier 60 meters range - 24 GHz	68
1141176	BM 60 HP 24G VAC	Digital outdoor microwave barrier 60 meters range - 24 GHz	69
1141161	BM 60 HP VAC	Digital outdoor microwave barrier 60 meters range	68
1141147	BM 60 M	Microwave barrier 60 meters range	70
1184175	BOX CITY B	Box CITY B LED - Bronze look ABS	76
1184176	BOX CITY C	Box CITY C LED - Copper look ABS	76
1184159	BOX CITY CARBON	Box CITY CARBON LED - Carbon look ABS	76
1184166	BOX CITY LED/PLUS/HP	Box CITY LED - Ivory look ABS	76
1184167	BOX CITY X LED/PLUS/HP	Box CITY X LED - Inox look ABS	76
1184177	BOX TS 85P B	Box TS 85P B LED - Bronze look ABS	76
1184178	BOX TS 85P C	Box TS 85P C LED - Copper look ABS	76
1184168	BOX TS85P LED/HP	Box TS 85P LED PLUS - Ivory look ABS	76
1184169	BOX TS85V LED/HP	Box TS 85V LED PLUS - Ivory look metal	76
1184170	BOX TS85X LED/HP	Box TS 85X LED PLUS - Stainless Steel	76
1180257	BOX L	Polivalent metal housing	30
1180258	BOX M	Polivalent metal housing	30
4403204	BRC 4	Remote control 4"	79
4403200	BRC 8	Remote control 8"	79
4403201	BRC 10	Remote control 10"	79
1120125	C8	Zones and outputs extension module	47
1100218	CAPTURE 128M	Control panel 128 zones with remote management	20
1100182	CAPTURE 16	Control panel 16 zones with remote management	19
1100193	CAPTURE 16M	Control panel 16 zones with remote management	19
1100180	CAPTURE 32	Control panel 32 zones with remote management	20
1100194	CAPTURE 32M	Control panel 32 zones with remote management	20
1100217	CAPTURE 64M	Control panel 64 zones with remote management	20
1100178	CAPTURE 8	Control panel 8 zones with remote management	19
1191296	CAPTURE SYSTEM DEMO CASE	Capture system demo case in high resistant PVC	21
1184161	CFB	Light blue cover flash	77
1184147	CFO	Orange flash cover	77
1184172	CFR	Red flash cover	77
1184160	CFT	Transparent flash cover	77
1161140	CITY LED	Outdoor LED siren - Ivory Abs	73
1161129	CITY LED HP	Outdoor Led siren on RS485 Bus - Ivory Abs	73
1161128	CITY LED PLUS	Outdoor Led siren - Ivory Abs	73
1164107	CITY WS 4	Bidirectional wireless self-powered siren	56
1164108	CITY WS 4 C	Carbon look bidirectional wireless self-powered siren	56

CODE	PRODUCT	FEATURES	PAGE
1130142	CLI	Curtain lens for JET detectors	53
1130142	CLI	Curtain lens for JET detectors	64
1112108	CLIP	BIP 4 remote control support	46
1122102	CONT SAT W	Housing for modules and PCB	29
1122102	CONT SAT W	Housing for modules and PCB	61
1122103	CONT SAT WX	Housings for extension modules	29
1183108	CONT SX	Compact housing for modules and PCB	29
1183108	CONT SX	Compact housing for modules and PCB	61
1183109	CONT SX Metal	Compact housings for extension modules	29
1184162	COS LED	Loud speaker for LED range sirens	77
1188102	DCP	Wall spacers for housings, control panels, power unit	30
1107135	DIGIVOC U	Speech synthesis	61
1176103	ER160	Single-jets nozzle opening at 60°	82
1176105	ER360	Three-jets nozzle opening at 60°	82
1176104	ER390	Three-jets nozzle opening at 90°	82
1105128	EWEB PLUS	Optional board LAN/Ethernet	26
1105133	EWEB PLUS B	Optional board LAN/Ethernet and Web Server	47
1105137	EWEB PLUS B VIDEO	Optional board LAN/Ethernet with VIDEO	47
1105136	EWEB PLUS VIDEO	Optional board LAN/Ethernet with VIDEO	27
1105130	EWEB WIFI II	WiFi and Web Server network board	24
1105134	EWEB WIFI II B	WiFi and Web Server network board	47
1120147	EXPRS485U	2 x RS485 Serial Line Expansion	25
1171127	GSM 4G U	4G-VoLTE GSM telephone communication module	24
1176110	FDEMO	Foggy 50 System - demonstration kit	82
1176118	FDEMO30	Foggy 30 System - demonstration kit	82
1187113	FMDD	Fuse holder with replaceable fuse for smart home wireless modules MDD 201 – pack of 5 pcs	37
1187112	FMDR	Fuse holder with replaceable fuse for smart home wireless modules MDR 201 – pack of 5 pcs	37
1187111	FMDS	Fuse holder with replaceable fuse for smart home wireless modules MDS 201/MDS 202 – pack of 5 pcs	37
1176115	FOGGY 30A	Fogging protection system, ideal for areas of about 100 m2	81
1176114	FOGGY 30G	Fogging protection system, ideal for areas of about 100 m2	81
1176113	FOGGY 30W	Fogging protection system, ideal for areas of about 100 m2	81
1176102	FOGGY 50A	Fogging protection system, ideal for areas of about 250 m2	81
1176101	FOGGY 50G	Fogging protection system, ideal for areas of about 250 m2	81
1176100	FOGGY 50W	Fogging protection system, ideal for areas of about 250 m2	81
1104112	FWIN	Software	82
1131141	GHOST WS 4 PLUS	Bidirectional wireless two-channels transmitter with magnetic contact - white housing	52
1131157	H2O WS4	Bidirectional wireless flood detector - white housing	53
1104111	HPWIN	Programming software for digital peripherals	69
1111123	ICE	4.3" Touch screen keypad NFC ready with white cover	22
1111130	ICE BL	4.3" Touch screen keypad NFC ready with black cover	22
1131138	JET 360 WS 4	Bidirectional wireless 360° ceiling infrared detector	50
1130134	JET DT	IR + MW dual technology detector	63
1130165	JET DT BLACK	IR + MW - dual technology detector - black colour	63
1130164	JET DT 360 PLUS	360° ceiling IR + MW dual technology detector	64
1130135	JET DT AM	IR + MW dual technology detector with antimasking	63
1130143	JET DT HP	Digital dual technology detector RS485	63
1130144	JET DT HP PLUS	Digital dual technology detector RS485 with antimasking	63
1131133	JET DT WS 4	Bidirectional wireless double technology detector with antimasking	50
1130133	JET PA	Passive infrared detector	63
1130163	JET PA 360 PLUS	360° ceiling passive infrared detector	64
1131134	JET PA WS 4	Bidirectional wireless passive infrared detector with antimasking	50
1131163	JET PA WS 4 VIDEO PRO	Bidirectional wireless passive infrared detector with antimasking and camera / audio integrated /12 V	27
1131163	JET PA WS 4 VIDEO PRO	Bidirectional wireless passive infrared detector with antimasking and camera / audio integrated / 12 V	49
1131156	JET PA WS4 JUNIOR	Bidirectional wireless passive infrared detector	50
1131166	JET PA WS4 JUNIOR BLACK	Bidirectional wireless passive infrared detector - black colour	50
1130136	K21	Wall and ceiling bracket for JET detectors	53
1130136	K21	Wall and ceiling bracket for JET detectors	64
1130137	K21T	Wall and ceiling bracket for JET detectors	64
1134109	KB	Wall bracket for detectors SPY/ONE/SPECTRUM	58
1134109	KB	Wall bracket for detectors SPY/ONE/SPECTRUM	64
1134109	KB	Wall bracket for detectors SPY/ONE/SPECTRUM	67
1134110	KBT	Wall bracket with tamper for detectors SPY/ONE/SPECTRUM	58
1134110	KBT	Wall bracket with tamper for detectors SPY/ONE/SPECTRUM	64
1134110	KBT	Wall bracket with tamper for detectors SPY/ONE/SPECTRUM	67
1176112	KEY ER	Socket wrench for nozzle	82
1190189	KIT RAPTOR R 4G BASIC M + APP	Bidirectional wireless Kit - Raptor R 4G control panel on network LTE/4G + CARD PREMIUM 1 YEAR	42
1190187	KIT RAPTOR R BASIC M + APP	Kit bidirectional wireless with Raptor R control panel - embedded GSM/GPRS + CARD PREMIUM 1 YEAR	42
1190191	KIT RAPTOR R LC 4G BASIC M	Bidirectional wireless Kit - Raptor R LC 4G control panel on network LTE/4G	43
1190188	KIT RAPTOR RK 4G BASIC M + APP	Bidirectional wireless Kit - Raptor RK 4G control panel on network LTE/4G + CARD PREMIUM 1 YEAR	42
1190186	KIT RAPTOR RK BASIC M + APP	Kit bidirectional wireless with Raptor RK control panel - embedded GSM/GPRS + CARD PREMIUM 1 YEAR	42
1190190	KIT RAPTOR RK LC 4G BASIC M	Bidirectional wireless Kit - Raptor RK LC 4G control panel on network LTE/4G	43
1135101	KIT SP	Inox bracket for pole mounting Spectrum	71
1181209	KIT SPACER BLACK x WIC4 MINI	Spacer kit for contact black housing	51
1181208	KIT SPACER BROWN x WIC4 MINI	Spacer kit for contact brown housing	51

# ALPHABETICAL PRODUCTS INDEX

CODE	PRODUCT	FEATURES	PAGE
1181207	KIT SPACER WHITE x WIC4 MINI	Spacer kit for contact white housing	51
1114001	KIT T8 – T10	Wall mounting spacer (optional) with 3 different sizes	15
1172108	KP5	GSM antenna extension cable	61
1176109	LBL	Label indicating "Protected Area"	82
1176108	LFT	Pulley Kit for installation to the ceiling	82
1104234	LIC-GENETEC-GSC	AVS license for Genetec platform integration	32
1104229	LIC-PRESIDIUM PLUS 1 DEMO PANEL	License for control panels connection (one for each connected control panel)	31
1104231	LIC-PRESIDIUM PLUS 1 DEMO PANEL	DEMO 30 gg license for control panels connection (one for each connected control panel)	31
1104227	LIC-PRESIDIUM PLUS PC 100	License for PC software, version up to 100 connections	31
1104228	LIC-PRESIDIUM PLUS PC 250	License for PC software, version up to 250 connections	31
1104226	LIC-PRESIDIUM PLUS PC 50	License for PC software, version up to 50 connections	31
1104230	LIC-PRESIDIUM PLUS PC DEMO	DEMO 30 gg license for PC software	31
1104123	LIC-WINREC	User licence to activate events reception on WINREC	32
1104114	LIC-XUSER SOFTWARE	License for XUSER software activation	32
1134111	MC01	Analysis module for switch alarms	30
1121121	MDC 200	Home automation module for monitoring loads and reading energy consumption	37
1120139	MDD 201	Wireless dimmer home automation module (Module + 1 Snubber)	36
1120151	MDD 401-RS	RS485 smart dimmer module with 4 inputs (Up & Down) and 2 analog 0–10 V outputs	38
1120138	MDR 201	Wireless rolling shutter home automation module (Module + 2 Snubber)	36
1120150	MDR 401-RS	RS485 home automation module for roller shutters	38
1120136	MDS 201	Wireless 1 relay home automation module	36
1120137	MDS 202	Wireless 2 relays home automation module	36
1120149	MDS 402-RS	RS485 home automation module - 2 relè / 5 Inputs	38
9099149	MDS 404-RS WT DIN	RS485 home automation module – 4 relays / 6 inputs on DIN rail	38
9099150	MDT 400-RS WT BLACK	Chronothermostat with 1 analog 0-10 V output - color black	39
9099148	MDT 400-RS WT WHITE	Chronothermostat with 1 analog 0-10 V output - color white	39
1165141	MOD CITY LED	Spare electronic module for CITY LED siren	77
1165142	MOD SIR HP	Spare electronic module for CITY HP and TS85 HP siren	77
1165140	MOD TS85 LED	Spare electronic module for CITY/TS85 LED PLUS	77
1120103	MR 4	4 Relais module	30
1120104	MR 8	8 Relais module	30
1120141	MR4 PW	Outputs extension module 4 outputs on BUS RS485	37
1120140	MST 015	Temperature probe	37
1120148	MST 100 1 Mt	Temperature probe with 1 meter cable	37
	MY AVS MANAGER	Mobile application for smartphone and tablet for the installer	57
1104124	MYAVSALARM PREMIUM CARD	1-YEAR PREMIUM SUBSCRIPTION CARD	34
1104125	MYAVSALARM PREMIUM CARD	1-YEAR ADDITIONAL DEVICE CARD	34
1132115	ONE DT	Outdoor dual technology curtain detector	66
1132116	ONE DT HP	Outdoor dual technology detector with RS485 Bus	66
1132118	ONE PA	Outdoor infrared curtain detector	66
1132119	ONE PA HP	Outdoor infrared curtain detector with RS485 Bus	66
1132144	ONE PA WS 4	Bidirectional wireless outdoor curtain detector	54
1135113	OSC	Protection cap for detector ONE	58
1135113	OSC	Protection cap for detector ONE	67
1132108	OUTSPIDER DT	Outdoor dual technology detector with antimasking	67
1132149	OUTSPIDER DT WS 4	Bidirectional wireless outdoor dual technology detector with antimasking	55
1132114	OUTSPIDER DT WS U	Wireless outdoor dual technology detector with antimasking	56
1132113	OUTSPIDER DT WS UB	Wireless outdoor dual technology detector with antimasking	56
1132148	OUTSPIDER PA WS 4	Bidirectional wireless outdoor passive infrared detector with antimasking	55
1132112	OUTSPIDER PA WS U	Wireless outdoor passive infrared detector with antimasking	55
1132111	OUTSPIDER PA WS UB	Wireless outdoor passive infrared detector with antimasking	55
1120116	POWER 3	Power supply unit - PCB only version	28
1120117	POWER 3Q	Power supply unit in metal housing - serial connection RS485	28
1120118	POWER 5	Power supply unit - PCB only version	28
1120119	POWER 5Q	Power supply unit in metal housing - serial connection RS485	28
1176106	PRL10	Foggy 10 cm extension for nozzle	82
1180227	PRO BUS	Serial RS485 protection module	30
1180227	PRO BUS	Serial RS485 protection module	69
1170125	PSTN B	PSTN communicator for RAPTOR control panel	47
1170130	PSTN U	Telephone communication module on PSTN line	24
1106110	PW M	Power supply for the wireless bidirectional keypad	47
1180144	PW1	Switching power supply unit 13,8 Vdc 1A	29
1180156	PW1,7	Switching power supply unit 13,8 Vdc 1,7A	29
1180145	PW3	Switching power supply unit 13,8 Vdc 3,4A	29
1180149	PW5	Switching power supply unit 13,8 Vdc 5A	29
1120134	PWCPT	Power Supply unit in metal housing with zones and outputs	21
1120135	PWCPTM	Power Supply unit in metal housing with zones and outputs	21
1190180	RAPTOR 4G SYSTEM DEMONSTRATION	Raptor 4G demo case	45
1102113	RAPTOR R	Wireless control panel - 125 zones 220 Ac powered + CARD PREMIUM 1 YEAR	44
1102132	RAPTOR R 4G	Wireless control panel - 125 zones 220 Ac powered on network LTE/4G + CARD PREMIUM 1 YEAR	44
1102150	RAPTOR R LC 4G	Wireless control panel - 125 zones – Battery powered on network LTE/4G	45
1102110	RAPTOR RK	Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered + CARD PREMIUM 1 YEAR	43
1102128	RAPTOR RK 4G	Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered on network LTE/4G + CARD PREMIUM 1 YEAR	43

CODE	PRODUCT	FEATURES	PAGE
1102149	RAPTOR RK LC 4G	Wireless control panel - 125 zones – Embedded silicon keys keypad battery powered on network LTE/4G	45
1183112	RETROFIT 4G RAPTOR	GSM interface on 4G to convert a Raptor control panel from 2G to 4G	47
1176117	RIC10	Recharge of fogging liquid 1 Liters	82
1176111	RIC15	Recharge of fogging liquid 1,5 Liters	82
1121111	RPT WS 4	Wireless Repeater	50
1150148	RS KS	Serial BUS NFC readers compatible with Keystone sockets	23
1150153	RS WG	RS485 Serial Interface >> WIEGAND - ULTRA	23
1121120	RVS VIDEO SATELLITE	Bidirectional Plug-in wireless zone module for video detectors	49
9088101	S85	Optical anti-foam module for Led/Plus sirens	77
1143105	SB 120	Floor standing pole 120 cm	71
1143106	SB 130	Buried pole 130 cm	71
1143107	SB 20	Wall bracket 20 cm	71
1143108	SB 60	Wall bracket 60 cm	71
1136113	SD4 WS	Bidirectional wireless optical smoke detector	53
1135107	SM-OUT	Bracket for wall 90° mounting Outspider	71
1187114	SNUBBER	Spark killer for roller shutter and dimmer wireless modules. Pack of 5 pcs.	37
1135106	SP-OUT	Pole mounting bracket for Outspider	71
1132126	SPECTRUM DT AM	Outdoor triple technology detector with antimasking	66
1132145	SPECTRUM DT WS AM 4	Bidirectional wireless outdoor triple technology detector with antimasking	54
1132133	SPECTRUM DT WS STD AM	Wireless universal outdoor triple technology detector with antimasking	56
1132156	SPECTRUM DT WS4 AM VIDEO	Outdoor triple technology detector with bidirectional wireless camera, with anti-masking and optional 12V power supply	27
1132130	SPECTRUM PA WALL	Double side double Pir outdoor detector	66
1132135	SPECTRUM PA WALL AM	Double side double Pir outdoor detector with antimasking	67
1132146	SPECTRUM PA WS WALL 4	Bidirectional wireless double side double PIR outdoor detector	54
1132147	SPECTRUM PA WS WALL AM 4	Bidirectional wireless double side double PIR outdoor detector with antimasking	54
1132134	SPECTRUM PA WS WALL STD	Universal wireless double side double Pir outdoor detector	55
1132137	SPECTRUM PA WS WALL STD AM	Universal wireless double side double Pir outdoor detector with antimasking	55
1130116	SPY M2	Double microwave detector	64
1176116	SRB10	Additional tank 1 Liters	82
1176107	SRB15	Additional tank 1,5 Liters	82
1135110	SSC	Rain protection cap for Spectrum	58
1135110	SSC	Rain protection cap for Spectrum	67
1135111	SSD	Spacer for Spectrum	58
1135111	SSD	Spacer for Spectrum	67
1135109	SSL	Optional lens for Spectrum	58
1135109	SSL	Optional lens for Spectrum	67
1135108	ST-OUT	Bracket for pipe PLUG-IN Outspider	71
1135112	STA	Tamper for Spectrum	58
1135112	STA	Tamper for Spectrum	67
1170129	STARLINK 4G PRO B	Telephone dialer and bidirectional interface over LTE / 4G networks	61
1111143	T10	10" Touchscreen Keypads	15
1111142	T8	8" Touchscreen Keypads	15
1184113	TAMPER CITY LED	Spare tamper	77
1184157	TAMPER CITY LED PLUS/HP	Spare tamper	77
1184158	TAMPER TS85 LED/HP	Spare tamper	77
1143102	TERM 1	Heating kit	71
1131158	TERM WS4	Environmental temperature bidirectional wireless detector- white housing	53
1180100	TPW L XL	Tamper for ULTRA PW L+XL	12
1180259	TPW M	Tamper for ULTRA PW M	12
1180169	TRCPT	Transformer for Capture 8/16/32	29
1180185	TRCPT M	Transformer for Capture 32M/64M/128M	29
1160100	TS 22	Indoor siren	73
1160102	TS 22 LST	Loud speaker	73
1164115	TS 22 WS4	Bidirectional wireless INDOOR self-powered siren	56
1161133	TS 85P LED HP	Outdoor Led siren on RS485 Bus - Ivory Abs	74
1161132	TS 85P LED PLUS	Outdoor Led siren - Ivory Abs	74
1161135	TS 85V LED HP	Outdoor Led siren on RS485 Bus - Ivory Metal	74
1161134	TS 85V LED PLUS	Outdoor Led siren - Ivory Metal	74
1161137	TS 85X LED HP	Outdoor Led siren on RS485 Bus - Stainless Steel	74
1161136	TS 85X LED PLUS	Outdoor Led siren - Stainless Steel	74
1191361	ULTRA 32 S	Control Panel board 32 zones S	10
1191362	ULTRA 64 M	Control Panel board 64 zones M	10
1191363	ULTRA 128 L	Control Panel board 128 zones L	11
1191364	ULTRA 1000 L	Control Panel board 1000 zones L	11
1191365	ULTRA 1000 XL	Control Panel board 1000 zones XL	12
1135105	USB-OUT	USB cable adapter	69
	VIGILANT SOFTWARE	IP and wireless video verification software for Central Monitoring Station	32
1131142	WIC 4 MINI	Bidirectional wireless two-channels transmitter with double magnetic contact - white housing	51
1131143	WIC 4 MINI B	Bidirectional wireless two-channels transmitter with double magnetic contact - brown housing	51
1131150	WIC 4 MINI N	Bidirectional wireless two-channels transmitter with double magnetic contact - black housing	51
1131144	WIC 4 MINI PLUS	Bidirectional wireless two-channels transmitter with double magnetic contact and shock sensor - white housing	51
1131145	WIC 4 MINI PLUS B	Bidirectional wireless two-channels transmitter with double magnetic contact and shock sensor - brown housing	51
1131151	WIC 4 MINI PLUS N	Bidirectional wireless two-channels transmitter with double magnetic contact and shock sensor - black housing	51
1131131	WIC4	Bidirectional wireless two-channels transmitter with magnetic contact - white housing	52

## ALPHABETICAL PRODUCTS INDEX

CODE	PRODUCT	FEATURES	PAGE
1131132	WIC4 B	Bidirectional wireless two-channels transmitter with magnetic contact - brown housing	52
1131129	WIC4 PLUS	Bidirectional wireless two-channels transmitter with magnetic contact and shock sensor - white housing	52
1131130	WIC4 PLUS B	Bidirectional wireless two-channels transmitter with magnetic contact and shock sensor - brown housing	52
1130119	WING2	Curtain infrared detector	70
1130120	WING2 B	Curtain infrared detector	70
1130121	WING2 DT	Dual technology curtain detector PIR+MW	70
1131137	WING4 MWS	Bidirectional wireless curtain passive infrared detector with antimasking - white housing	53
1131135	WING4 WS	Bidirectional wireless curtain passive infrared detector - white housing	53
1131136	WING4 WS B	Bidirectional wireless curtain passive infrared detector - brown housing	53
1104101	WINREC	Remote management and C.M.S. software	32
1120107	XEXP8	8 zones expansion PLUG-IN module	25
1171116	XGSM 485 4G	Telephone dialler with RS485 BUS on LTE/4G networks	24
1171117	XGSM 485 PRO 4G	Telephone dialler with RS485 BUS on LTE/4G networks	24
1143113	XOC8	Outputs extension module	69
1120124	XSAT HP MINI	RS485 serial zone extension module	26
1120112	XSAT PW3	Power Supply unit - PCB only version	25
1120113	XSAT PW3Q	Power Supply unit in metal housing with zones and outputs	25
1120114	XSAT PW5	Power Supply unit - PCB only version	25
1120115	XSAT PW5Q	Power Supply unit in metal housing with zones and outputs	25
1121113	XSAT WS 4 PRO	Bidirectional radio 32 zone extension module	26
1121114	XSAT WS 4 VIDEO	Bidirectional wireless zone module (expansion/repeater) for video and non-video detectors	27
1120111	XSAT36	RS485 serial zone extension module 18 zones and 9 outputs	25
1120108	XSAT8	RS485 serial zone extension module 10 zones and 8 outputs	25
1143112	XSATHP	Extension PCB for digital detectors RS485 Bus	69
1104102	XWIN	Programming software for AVS control panels with Wizard Included	32
1104102	XWIN	Programming software for AVS control panels with Wizard Included	57
9094120	ZB022	Lithium battery for detectors SPECTRUM WS4/JET WS4/WIC4 WS/A500 WS4	59
9094124	ZB20105	Lithium battery for wireless detectors SPECTRUM WS4 and OUTSPIDER WS4	59
9094126	ZBCR1632	Lithium battery for wireless detector GHOST	59
9094121	ZBCR2032	Lithium battery for remote controls BIP4/WIC4 MINI	59
9094119	ZBDL123A	Lithium battery for wireless detectors JET 360 WS4/WING 4 WS/WIC 4 WS	59
9094123	ZBSL760	Lithium battery for wireless detectors ONE PAWS 4	59
1112134	ZEN 4 PLUS BLACK	Bidirectional 4-channel remote control	46



- 1 INTRODUCTION Present general sales conditions apply entirely to any order with the exception of written different conditions. In case of disagreement the general sales conditions prevail on the purchase conditions of the customer. The suppliers reserves the right to bring the products possible esthetical/functional modifications in size and structure due to technical reasons, without prior notice.
- 2 PRICES The prices shown can be varied to the customers without prior notice, whenever the costs of the Supplier/Manufacturer increased as a consequence of the relation with foreign currency and/ or for any other reason. The last price-list issued is intended as in force and will replace the previous ones. Prices do not include VAT, transport costs and other accessories.
- 3 PAYMENT CONDITIONS Except where otherwise written, the payment must be done directly at Supplier premises according to the form and conditions agreed. In case of delayed payment , the interests will be calculated as provided and regulated by art. 3,4,5 and 6 of the Law by Decree D.lgs. n.231/02. In this case the Supplier will have the right to stop the deliveries, to suspend immediately and without any formality the deliveries concerning all open orders of the customer even if depending on other contracts, to issue a draft for the amount of the invoices due and to demand immediate and entire payment of the credit or to have a guaranty for it. As per the terms and effects of the art. 1462 of the Civil Law, any possible dispute of one or more lots of goods do not authorize the customer to suspend the payment.
- 4 CANCELLATION OF THE SUPPLYING CONTRACT Whenever protests of cheques or bills are served on the Purchaser or the Purchaser is subject to executive procedures of any type or to complicity proceedings (assignment of properties to creditors or bankrupts) the supplying agreement is intended as cancelled by default, and the Supplier will anyway have right to the payment of the goods provided.
- 5 CARRIAGE The goods are delivered ex works from the warehouse of the Supplier, via Valsugana 63, 35010 Curtarolo (Pd) Italy
- 6 DELIVERY TERMS The contract delivery terms are indicative and thus conditioned by either the production possibility of the Supplier and events of "force majeure" such as strike of the personnel of the Supplier, of the Manufacturers, of the Authorities, of the Forwarders or due to natural calamities etc. In no case direct or indirect damages due to delayed delivery can be on charge of the Supplier. Delay in delivery does not authorize the Purchaser to cancel the contract partially or totally. In case the Purchaser needs a goods delivery within a certain date, the Supplier reserves the right to accept or refuse the order. In this case, the term of delivery is intended as satisfied when the goods are delivered to the Forwarder or Transport Company.
- 7 SHIPMENT The goods travel on account and complete risk of the Purchaser, even if the Forwarder has been chosen by the Supplier. Even if, as an exception, the transport has been agreed as paid, the goods always travel on the account and complete risk of the Purchaser. Claims concerning the goods supplied must become to the Supplier in written form within 15 days form the arrival of the goods and anyway within 30 days from the shipment from the Supplier warehouse, otherwise the claim will decade.
8. WARRANTY The Supplier grants the products from manufacturing hidden defects for a period of 36 months since the date of delivery to the Purchaser, with the exception of GSM products, IP modules, switching power supply units, that are covered for a period of 24 months, since the date of delivery to the Purchaser. The warranty does not cover batteries and the products resulting to be tampered, repaired by third parties or used not in conformity to the use conditions provided for. The products questioned, resulting defective according the unobjectionable judgment of the Supplier, will be repaired or replaced with no responsibility for the Supplier for any damage of any nature possibly suffered by the customer for this reason. The claims will have to reach the Supplier according to warranty conditions, in written form, indicating the assumed defective fond on the product. The warranty is given exclusively at the company address of the Supplier -via Valsugana 63 - 35010 Curtarolo (Pd) Italy. The deliveries of the products sent to the Supplier according to this Warranty as well as any additional cost for packaging or for accessories are at the charge of the Purchaser and the goods travel in conformity of the previous paragraph n. 7.
- 9 RESPONSIBILITY TOWARDS THIRD PARTIES The Purchaser - by the order - takes the responsibility of respecting the law norms and the security norms concerning the products supplied, as well as the engagement of being aware of all Law limitations.
- 10 PURSUANCE OF THE LAW As per the terms and effects of the Law by Decree D.lgs 06.09.2005 n. 206 (Consumer Law) the contract subject to present General Conditions is not subject to the decrees provided for, in the above mentioned norms, being the contractors physical or juridical people acting in the exercise of their commercial, artisanal or professional activity or as intermediate.

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