AVS electronics

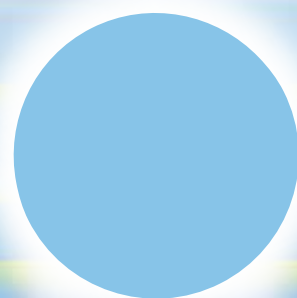RIELLO ELETTRONICA

ITALIAN SECURITY MANUFACTURER

RAPTOR

Reference guide

RAPTOR RT
Embedded TOUCH SCREEN keypad supplied in 220 VAC

RAPTOR RK
Embedded LCD keypad supplied in 220 VAC

RAPTOR RK LC
Embedded LCD keypad supplied by batteries (included)

Always connected and more protected.

MY AVS ALARM is the unique APPLICATION for Tablet and Smartphone that allows you to control easily and intuitively your RAPTOR control panel. Based on the most advanced and secure CLOUD technology, this solution allows the encryption of the communication between your mobile device and RAPTOR, but also shows alarm real-time notifications even if the APP is closed. From the APP, you can manage security and house automation actions. More: to deally protect you, MY AVS ALARM integrates the verification of the IP cameras of your system.

MY AVS ALARM

Download on the App Store

DOWNLOAD FOR ANDROID

BIDIRECTIONAL WIRELESS
868 FM MHZ

The RAPTOR platform, uses the innovative one Bidirectional Wireless Technology GFSK FM 868 Mhz. The Bidirectional comunication between the control panel and the devices and the "DPT" (Dynamic Power Transmittion) reduce the ion of Energy consumption, increasing the life time of the batteries. Radio transmission security is granted by the automatic search function of channels (AFC) that detects any attempts radio jamming operating a continuous supervision of the Radio devices. The GSM /GPRS already embedded, allows total management by the user and by the installer, offering a complete remote technical connectivity. The system, offer the maximum flexibility, for a tailor made configuration.

RAPTOR R
No Embedded keypad supplied in 220 VAC

RAPTOR R LC
No Embedded keypad supplied by batteries (included)

BIDIRECTIONAL WIRELESS CONTROL PANEL - POWER SUPPLY 220 Vac

Code	Item - Features

1190110 KIT RAPTOR RK BASIC

Bi-directional wireless Kit - Raptor RK control panel

Kit based on:
- n°1 control panel RAPTOR RK
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PAWS 4 -
  n°1 wireless magnetic contact WIC4

1190111 KIT RAPTOR R BASIC

Bi-directional wireless Kit - Raptor R control panel

Kit based on:
- n°1 control panel RAPTOR RK
- n°1 remote control BIP4 PLUS
- n°1 detector PIR JET PAWS 4
- n°1 wireless magnetic contact WIC4

1102106 RAPTOR RT

Wireless control panel - 125 zones – Embedded Touchscreen keypad 220 Ac powered

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 2 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 8 - Wired keypads: up to 7 of series ICE, A500 – Proximity readers: Integrated on the control panel, up to 7 keypads – Codes & keys : 125 user codes, 125 emergency codes, 125 remote controls, 125 Tags/Badge – System configuration: by keypad or with XWIN software – USB pPort 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 and guided HELP that drives you to listen the vocal messages and guided HELP on control panel and on the keypads ICE, A500 PLUS – Integrated time programmer with 16 daily with bank holidays management – Event buffer memory: 250 events – power supply: Switching 14.5 Vdc 1 A Battery 12 Vdc 2.3 Ah - Dimensions: ABS case – 247 x 232 x 55 mm (LxhxP)

1102105 RAPTOR RK

Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered

Same RAPTOR RT features, but with embedded silicon keys keypad

1102104 RAPTOR R

Wireless control panel - 125 zones 220 Ac powered

Same RAPTOR RT features but without keypad

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

RAPTOR

Code	Item - Features

1102108 RAPTOR RK LC

Wireless control panel - 125 zones – Embedded silicon keys keypad battery powered

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 8 – 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 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 and guided HELP that drives you to listen the vocal messages and guided HELP on control panel – Integrated time programmer with 16 daily with bank holidays management – Event buffer memory: 250 events – powered by alkaline batteries – 6X1,5 D LR20 - Dimensions: ABS case – 247 x 232 x 55 mm (LxhxP)

1102107 RAPTOR R LC

Wireless control panel - 125 zones – Battery powered

Same as RAPTOR RK LC without keypad

1190118 RAPTOR SYSTEM DEMO CASE

Raptor system 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. - **Protection IP: 65**

Content:

Code	Item	Description
1102105	RAPTOR RK	Control panel 8 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

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

REMOTE CONTROLS AND PROXIMITY KEYS

BIP 4
BIP 4 PLUS

BIP 4 C
BIP 4 PLUS C

Code	Item - Features

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

8-channel transmitter - 5 activation keys - TX functions: controls for arming/disarming, activation of outputs - RX functions: multi-coloured system ON/OFF status LED - System ON/OFF buzzer FM 868 MHz - multi frequency - bidirectional - range: up to 200 m. in open space - Functions: starting/stopping/ activation of outputs /anti-theft – CP Status request – Power supply: 1 x 3V lithium battery - Type 2032 - Colour: Ivory - Dimensions (LxH): 85 x 35 mm - Compatibility: RAPTOR Control panel, XSATWS4

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

Same as BIP4 PLUS with carbon plastic housing

1112124 BIP 4
8-channel remote control - white housing

8-channel transmitter - 5 activation keys - Frequency: FM 868 MHz - multi frequency - unidirectional - range: up to 200 m. in open space - Functions: starting/stopping/ activation of outputs /anti-theft – Power supply: 1 x 3V lithium battery - Type 2032 - Colour: Ivory - Dimensions (LxH): 85 x 35 mm - Compatibility: RAPTOR control panel, XSATWS4

1112125 BIP 4 C
8-channel remote control - carbon look

Same as BIP4 with carbon plastic housing

1150140 TOY L
NFC key ring proximity tag

Technology: NFC - Material: metal and leather - Colour: red - Compatibility: A500 PLUS WS4 keypads

1150144 TOY L N
NFC key ring proximity tag

Technology: NFC - Material: metal and leather - Colour: black - Compatibility: A500 PLUS WS4 keypads

BIDIRECTIONAL WIRELESS KEYPAD WITH INTEGRATED REPEATER

A500 WS4
A500 PLUS WS4

A500 WS4 C
A500 PLUS WS4 C

1113100 A500 WS4
Bi-directional LCD wireless keypad, white colour

Wireless bi-directional FM 868 MHz - 32 characters LCD display + 7 LEDs system status signal - repeater function up to 125 devices (only if powered from the mains) - dual power supply with ZB022 lithium battery and/or 13.8 Vdc with external power supply - n ° 2 in/out terminals - Cover: white colour - Dimensions (LxHxP): 110 x 130 x 34 mm - Compatibility: RAPTOR

1113101 A500 WS 4 C
Bi-directional LCD wireless keypad, carbon look

Same features of the A500 WS4 with cover finished carbon look

1113106 A500 PLUS WS4
Bi-directional LCD wireless keypad, with advanced functions, white colour

Wireless bi-directional 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 devices (only if powered from the mains) - 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

1113107 A500 PLUS WS 4 C
Bi-directional LCD wireless keypad, with advanced functions, carbon look

Same features of the A500 PLUS WS4 with cover finished carbon look

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

BIDIRECTIONAL WIRELESS KEYPAD WITH INTEGRATED REPEATER

PW M

Code	Item - Features

1106110   PW M

Power supply for the wireless bi-directional 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

WEB SERVER, GATEWAY ETH TCP-IP, GRAPHICAL MAPS

1105133   EWEB PLUS B

Optional board LAN/Ethernet and Web Server

The EWEB PLUS B permits the LAN connection with the control panels RAPTOR. The embedded Web server allows to manage Raptor through a common Internet browser and moreover it offers many interesting features for the end user: - 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 panel through XWIN sw, using a LAN/WLAN connection or remote in ADSL or with the mobile APP MYAVSMANAGER - Dynamic DNS Management - LAN Port: RJ45, 10/100 Mbit/s - Compatibility: RAPTOR software XWIN and ELM
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1105134   EWEB WIFI B

Wi-Fi and Web Server network board

The EWEB PLUS B permits the Wi-Fi connection with the control panels RAPTOR. Same features and functionalities of the EWEB PLUS B - Compatibility Wi-Fi: 2,4 GHz 802.11 g/n

PSTN COMMUNICATION MODULE

1170125   PSTN B

PSTN communicator for RAPTOR control panel

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

ZONES AND OUTPUTS EXTENSION MODULE

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 35 mA - Dimensions (LxH): 80x55 mm - Compatible with : CAPTURE 8 /16 / 32/64/128
INCERT EN 50131 Grade 2 CERTIFICATION

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

Code	Item - Features

1131134   JET PA WS 4

Bidirectional wireless passive infrared detector with antimasking

Application: indoor - range: 15 m - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics – PET IMMUNE- IR active AM , with distance and programmable detection – Accelerometer for tamper and disorientation - Frequency: FM 868 MHz , multi frequency – bi-directional - Radio coverage: up to 200 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 - included accelerometer to recognize the wall removal - Compatibility: RAPTOR control panel, XSATWS4

1131133   JET DT WS 4

Bidirectional wireless double technology detector with antimasking

Application: indoor - range: 15 m - Aspherical lens: coverage 90° 7 levels and 41 sectors with sealed optics – PET IMMUNE - Flat strep line 10.525 GHz with distance and programmable detection – Accelerometer for tamper and disorientation - Frequency: FM 868 MHz , multi frequency – bi-directional - Radio coverage: up to 200 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 - included accelerometer to recognize the wall removal - Compatibility: RAPTOR Control panel, XSATWS4

1131131   WIC4

Bidirectional wireless two-channels transmitter with magnetic contact - 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- 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, XSATWS4

1131132   WIC4 B

Bidirectional wireless two-channels transmitter with magnetic contact - brown housing

Same as WIC4 with brown plastic housing

1131129   WIC4 PLUS

Bidirectional wireless two-channels transmitter with 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 - 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, XSATWS4

1131130   WIC4 PLUS B

Bidirectional wireless two-channels transmitter with magnetic contact and shock sensor - brown housing

Same as WIC4 plus with brown plastic housing

Code   Item - Features

1131138   JET 360 WS 4

Bidirectional wireless 360° ceiling infrared detector

IR 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 - range: up to 200 Mt in open air - Communications: alarm, tamper, 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 - Supplying with 1 lithium battery 3 V Type CR123 - Autonomy: 2 years with the activation of the consumption reduction function - Dim: Ø 120 mm - H 40 mm - Compatibility: RAPTOR control panel, XSATWS4

1136109   SD4 WS

Bidirectional wireless optical smoke detector

Sensor: optical infrared - coverage 40 m2- Frequency: FM 868 MHz - multi frequency - bi-directional - Radio range: up to 200 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 9 Vdc alkaline battery - Type 6LR61 included - Battery life: 2 years - Dimensions: (DxH) 115 x 45 mm - Compatibility: RAPTOR control panel

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 200 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 - CRI23 - Battery life: 2 years with energy saving function activated - Dimensions (LxHxD): 35 x 110x31 mm - Compatibility: RAPTOR control panel, XSATWS4

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, with anti-masking protection and AM adjustable detection distance

WIRELESS REPEATER

1121111   RPT WS 4

Bidirectional wireless repeater

Frequency: GFSK FM 868 MHz, Bi-directional - Radio coverage: up to 200 m in open field - Features: up to max 125 wireless devices - Visualization: status Led - Supply voltage: 230Vac/12Vdc - battery 12 vdc 2,1 A (not included) - Dimensions (LxHxD): 247 x 232 x 55 mm - Compatibility with bidirectional wireless devices

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

Code   Item - Features

| 1132144 | **ONE PA WS 4** |

Bidirectional wireless outdoor curtain detector

Passive infrared curtain sensor with Fresnel lens - Frequency: FM 868 MHz - multi frequency – bi-directional - max radio range 200 m in open space 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 range detection - 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, XSATWS4
Protection class: IP 54

| 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 – bi-directional - max range 200 m - Antimasking with active IR adjustable detection distance - 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 up to 70 cm from the ground - Power consumption in hush 23 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 active consumption reduction - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm - Compatibility: RAPTOR Control panel, XSATWS4
Protection class: IP 55

| 1132146 | **SPECTRUM PA WS WALL 4** |

Bidirectional wireless double side double PIR outdoor detector

Detection through double side (right + left) double PIR - Detection range from 3 to 12 meters per side - Wireless transmission in 868 MHz FM - Multi frequency – Bi-directional - Max radio range 200 m in open space - 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 up to 70 cm from the ground - Power consumption in hush 23 µA – Power consumption in alarm 34 mA - Wireless report for alarm - Wireless report for tamper - Wireless report for low battery - Wireless report for survival - Data sent: 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 active consumption reduction - Dimensions (D x W x H): 68,3 x 75,4 x 189,4 mm - Compatibility: RAPTOR Control panel, XSATWS4
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

Code	Item - Features

1132148   OUTSPIDER PA WS 4

Bidirectional wireless outdoor passive infrared detector with antimasking

Dual passive infrared - Frequency: FM 868 MHz - multi frequency – bi-directional. - max range 200 m - range between 15 and 23 m, max height of installation 2.7 m - Coverage between 5° and 90° - ANTI-MASKING with ACTIVE IR function adjustable detection distance - PET Immunity for PETs up to 70 cm high - Anti-opening and anti-tear tamper device – Positive safety alarm relay - USB port for programming with HPWIN/XWIN software - LED and buzzer for walk test that can be deactivated - Camera fitting - Environmental conditions: -20 C° + 55 C° - Wireless report for alarm - 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 - 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, XSATWS4
Protection class: IP 65

1132149   OUTSPIDER DT WS 4

Bidirectional wireless outdoor dual technology detector with antimasking

Dual passive infrared + MW microwave freq. 10.525 GHz - Frequency: FM 868 MHz - multi frequency bi-directional - max range 200 m - range between 15 and 23 m - Coverage between 5° and 90° - ANTI-MASKING with active IR function adjustable detection distance – PET Immunity for PETs up to 70 cm high - Anti-opening and anti-tear tamper device - Positive safety alarm relay - USB port for programming with HPWIN/XWIN software - LED and buzzer for walk test that can be deactivated - Camera fitting - Environmental conditions: -20 C° + 55 C° - Wireless report for alarm - 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 - 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, XSATWS4
Protection class: IP 65

WIRELESS EXTERNAL SIRENS AND ACCESSORIES

CITY WS

1164107   CITY WS 4

Bidirectional wireless self-powered siren

Frequency GFSK FM 868 MHz - multi frequency – Bi-directional - Max range 200 m. in open space - Communications: alarm - anti-tamper - battery - survival - 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 - LED for visualization system status - Dimensions (LxHxW): 255 x 200 x 80 mm - Container: 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, XSATWS4

CITY WS CARBON

1164108   CITY WS 4 C

Carbon look bidirectional wireless self-powered siren

Same as CITY WS4 with carbon plastic housing

ALCITYWS 4

1164110   ALCITYWS 4

Power supply unit for wireless bidirectional siren

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

AVS Electronics - *Reference guide RAPTOR:* v2

BIDIRECTIONAL WIRELESS RAPTOR SYSTEM

MOBILE APPLICATION AND PROGRAMMING SOFTWARE FOR RAPTOR CONTROL PANEL

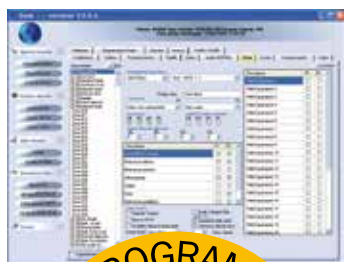

Code	Item - Features

APP	**MY AVS ALARM**

Mobile application for end users

APP MY AVS ALARM is the unique application for smartphones e tablets, available free of charge on APP STORE and GOOGLE PLAY that allows tou to control easily and intuitively your control panels. MY AVS ALARM Premium Version - service on subscription; info on www.myavsalarm.com
Full management of the RAPTOR System through AVS CLOUD Server, on-off sectors, scenarios, domotics commands, zone status checking, diagnostics, event memory. Live Video verification of images coming from TCP-IP cameras, compatibles with ONVIF S ® - MJPEG® -RTSP Automatic Push notification for Alarm, On-Off and system failures weather data coming from NETATMO ® compatible devices

APP	**MY AVS MANAGER**

Mobile application for installers, to programm Raptor control panels

MY AVS MANAGER is the Mobile APP, developed for the installer, to program and configure, in CLOUD, from everywhere and any time, the RAPTOR range of bi-directional wireless control panels, by using the assisted and guided WIZARD mode. You can also manage the different wireless devices associated to your control panel.

1104102	**XWIN**

Programming software for Xtream/Capture/Raptor with wizard Included

Features: XTREAM programming software - Local programming via USB or remote via PSTN line, with standard modem V.90 or GSM modem and TCP-IP - 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
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SOFTWARE AND MOBILE APPLICATION FOR INSTALLER

OSC

SSC

SSD

SSL

KB
KBT

Code	Item - Features
1135113	**OSC**
	Protection cap for detector ONE

Frontal cap for rain protection for detector ONE

1135110	**SSC**
	Rain protection cap for Spectrum

Frontal sunshield for rain protection

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 available wall series

1135112	**STA**
	Tamper for Spectrum

Mechanical optional tamper

1134109	**KB**
	Bracket

Orientation bracket for SPECTRUM when installed at 2,2 meters with SSI lens - not available wall series

1134110	**KBT**
	Bracket with anti-pulling tamper

Same characteristics as KB with tamper

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

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

9094120	**ZB022**
	Lithium battery for detectors SPECTRUM WS/JET WS/WIC WS/A500 WS

Replacement battery for SPIDER PA WS II series , SPECTRUM WS, JET WS, WIC 4 WS, - 3,6 Vdc - 2,2 A

9094124	**ZB20105**
	Lithium battery for wireless detectors SPECTRUM WS and OUTSPIDER WS

Replacement battery for SPECTRUM WS series, OUTSPIDER WS series - 3,6 Vdc - 7,7 A

9094121	**ZBCR2032**
	Lithium battery for remote controls BIP

Replacement battery for remote controls BIP, BIP2, BIP4 series

9094119	**ZBDL123A**
	Lithium battery for wireless detectors JET 360 WS4/WING 4 WS/WIC 4 WS

Replacement battery for SD WS, SPY360 WS, JET 360 WS, SPY WS, WING2 WS - 3,0 Vdc - 1,1 A

9094123	**ZBSL760**
	Lithium battery for wireless detectors ONE PAWS 4

Replacement battery for ONE PAWS, WIC2 WS- 3,6 Vdc -2,2 A

ACCESSORIES AND SPARE PARTS

RAPTOR ACCESSORIES COMPATIBILITY

CODE	PRODUCT	FEATURES	PRICE LIST	RAPTOR R	RAPTOR RK	RAPTOR RT	RAPTOR R LC	RAPTOR RK LC
KEYPADS								
1111123	ICE	4.3" TOUCH SCREEN KEYPAD NFC READY WITH WHITE COVER	240,00	√	√	√		
1111130	ICE BL	4.3" TOUCH SCREEN KEYPAD NFC READY WITH BLACK COVER	240,00	√	√	√		
1111119	A500	SMART LCD KEYPAD	122,00	√	√	√		
1111126	A500 CARBON	SMART LCD KEYPAD	163,00	√	√	√		
1111120	A500 Plus	SMART LCD KEYPAD WITH AUDIO AND NFC READY	153,00	√	√	√		
1111127	A500 CARBON PLUS	SMART LCD KEYPAD WITH AUDIO AND NFC READY	194,00	√	√	√		
GSM COMMUNICATION MODULE								
1120134	PWCPT	POWER SUPPLY UNIT 1,2A IN METAL HOUSING WITH ZONES AND OUTPUTS	170,00	√	√	√		
1120135	PWCPTM	POWER SUPPLY UNIT 1,6A IN METAL HOUSING WITH ZONES AND OUTPUTS	234,00	√	√	√		
POWER SUPPLY UNIT - BUS RS485								
1120134	PWCPT	POWER SUPPLY UNIT 1,2A IN METAL HOUSING WITH ZONES AND OUTPUTS	170,00	√	√	√		
1120135	PWCPTM	POWER SUPPLY UNIT 1,6A IN METAL HOUSING WITH ZONES AND OUTPUTS	234,00	√	√	√		
GATEWAY AND SOFTWARE								
9088106	XGATE	IP GATEWAY MODULE FOR KNX/EIB - MODBUS	980,00	√	√	√		
1104108	ELM	CENTRALIZATION SOFTWARE WITH GRAPHICAL MAPS	free	√	√	√		
1104110	LIC-ELMXLB	USER LICENCE FOR SOFTWARE ELM	344,00	√	√	√		
9088104	LIC-XGATE PLUS	USER LICENCE FOR XGATE PLUS	1.920,00	√	√	√		
9099123	LIC PLUGIN GSC	USER LICENCE FOR plug-in XGATE-MODBUS® FOR GSC GENETEC®	1.900,00	√	√	√		
SELF POWERED SOUNDERS WITH RS485 BUS								
1161129	CITY LED HP	OUTDOOR LED SIREN ON RS485 BUS - IVORY ABS	102,00	√	√	√		
1161131	CITY X LED HP	LED SELF-POWERED EXTERNAL SOUNDERS INOX LOOK ABS	120,00	√	√	√		
1161144	CITY CARBON LED HP	LED SELF-POWERED EXTERNAL SOUNDERS CARBON LOOK ABS	145,00	√	√	√		
1161151	CITY C LED HP	LED SELF-POWERED EXTERNAL SOUNDERS COPPER LOOK ABS	121,00	√	√	√		
1161150	CITY B LED HP	LED SELF-POWERED EXTERNAL SOUNDERS BRONZE LOOK ABS	121,00	√	√	√		
1161133	TS 85P LED HP	OUTDOOR LED SIREN ON RS485 BUS - IVORY ABS	106,00	√	√	√		
1161135	TS 85V LED HP	OUTDOOR LED SIREN ON RS485 BUS - IVORY METAL	164,00	√	√	√		
1161137	TS 85X LED HP	OUTDOOR LED SIREN ON RS485 BUS - STAINLESS STEEL	204,00	√	√	√		
1161155	TS 85P C LED HP	LED SELF-POWERED EXTERNAL SOUNDERS COPPER LOOK ABS	126,00	√	√	√		
1161154	TS 85P B LED HP	LED SELF-POWERED EXTERNAL SOUNDERS BRONZE LOOK ABS	126,00	√	√	√		
SELF POWERED SOUNDERS								
1160100	TS 22 B	INTERNAL SOUNDER	35,00	√	√	√		
1161140	CITY LED	OUTDOOR LED SIREN - IVORY ABS	80,00	√	√	√		
1161128	CITY LED PLUS	OUTDOOR LED SIREN - IVORY ABS	88,00	√	√	√		
1161141	CITY X LED	LED SELF-POWERED EXTERNAL SOUNDERS INOX LOOK ABS	97,00	√	√	√		
1161130	CITY X LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS INOX LOOK ABS	105,00	√	√	√		
1161142	CITY CARBON LED	LED SELF-POWERED EXTERNAL SOUNDERS CARBON LOOK ABS	122,00	√	√	√		
1161143	CITY CARBON LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS CARBON LOOK ABS	130,00	√	√	√		
1161147	CITY C LED	LED SELF-POWERED EXTERNAL SOUNDERS COPPER LOOK ABS	99,00	√	√	√		

CODE	PRODUCT	FEATURES	PRICE LIST	RAPTOR R	RAPTOR RK	RAPTOR RT	RAPTOR R LC	RAPTOR RK LC
1161149	CITY C LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS COPPER LOOK ABS	107,00	√	√	√		
1161146	CITY B LED	LED SELF-POWERED EXTERNAL SOUNDERS BRONZE LOOK ABS	99,00	√	√	√		
1161148	CITY B LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS BRONZE LOOK ABS	107,00	√	√	√		
1161132	TS 85P LED PLUS	OUTDOOR LED SIREN - IVORY ABS	92,00	√	√	√		
1161134	TS 85V LED PLUS	OUTDOOR LED SIREN - IVORY METAL	150,00	√	√	√		
1161136	TS 85X LED PLUS	OUTDOOR LED SIREN - STAINLESS STEEL	190,00	√	√	√		
1161153	TS 85P C LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS COPPER LOOK ABS	112,00	√	√	√		
1161152	TS 85P B LED PLUS	LED SELF-POWERED EXTERNAL SOUNDERS BRONZE LOOK ABS	112,00	√	√	√		

For more information on compatible products, see AVS Electronics price list.

RAPTOR ACCESSORIES COMPATIBILITY

CODE	PRODUCT	FEATURES	PAG
1113107	A500 PLUS WS 4 C	Bi-directional LCD wireless keypad, with advanced functions, carbon look	6
1113106	A500 PLUS WS4	Bi-directional LCD wireless keypad, with advanced functions, white colour	6
1113101	A500 WS 4 C	Bi-directional LCD wireless keypad, carbon look	6
1113100	A500 WS4	Bi-directional LCD wireless keypad, white colour	6
1164110	ALCITYWS 4	Power supply unit for wireless bidirectional siren	11
1194100	BATT D4	Battery for bidirectional wireless siren CITY WS 4	13
1112124	BIP 4	8-channel remote control - white housing	6
1112125	BIP 4 C	8-channel remote control - carbon look	6
1112122	BIP 4 PLUS	Bidirectional 8-channel remote control - white housing	6
1112123	BIP 4 PLUS C	Bidirectional 8-channel remote control - carbon look	6
1120125	C8	Zones and outputs extension module	7
1164107	CITY WS 4	Bidirectional wireless self-powered siren	11
1164108	CITY WS 4 C	Carbon look bidirectional wireless self-powered siren	11
1105133	EWEB PLUS B	Optional board LAN/Ethernet and Web Server	7
1105134	EWEB WIFI B	Wi-Fi and Web Server network board	7
1131138	JET 360 WS 4	Bidirectional wireless 360° ceiling infrared detector	9
1131133	JET DT WS 4	Bidirectional wireless double technology detector with antimasking	8
1131134	JET PA WS 4	Bidirectional wireless passive infrared detector with antimasking	8
1134109	KB	Bracket	13
1134110	KBT	Bracket with anti-pulling tamper	13
1190111	KIT RAPTOR R BASIC	Bi-directional wireless Kit - Raptor R control panel	4
1190110	KIT RAPTOR RK BASIC	Bi-directional wireless Kit - Raptor RK control panel	4
APP	MY AVS ALARM	Mobile application for end users	12
APP	MY AVS MANAGER	Mobile application for installers, to programm Raptor control panels	12
1132144	ONE PA WS 4	Bidirectional wireless outdoor curtain detector	10
1135113	OSC	Protection cap for detector ONE	13
1132149	OUTSPIDER DT WS 4	Bidirectional wireless outdoor dual technology detector with antimasking	11
1132148	OUTSPIDER PA WS 4	Bidirectional wireless outdoor passive infrared detector with antimasking	11
1170125	PSTN B	PSTN communicator for RAPTOR control panel	7
1106110	PW M	Power supply for the wireless bi-directional keypad	7
1102104	RAPTOR R	Wireless control panel - 125 zones 220 Ac powered	4
1102107	RAPTOR R LC	Wireless control panel - 125 zones – Battery powered	5
1102105	RAPTOR RK	Wireless control panel - 125 zones – Embedded silicon keys keypad 220 Ac powered	4
1102108	RAPTOR RK LC	Wireless control panel - 125 zones – Embedded silicon keys keypad battery powered	5
1102106	RAPTOR RT	Wireless control panel - 125 zones – Embedded Touchscreen keypad 220 Ac powered	4
1190118	RAPTOR SYSTEM DEMO CASE	Raptor system demo case	5
1121111	RPT WS 4	Bidirectional wireless repeater	9
1136109	SD4 WS	Bidirectional wireless optical smoke detector	9
1132145	SPECTRUM DT WS AM 4	Bidirectional wireless outdoor triple technology detector with antimasking	10
1132146	SPECTRUM PA WS WALL 4	Bidirectional wireless double side double PIR outdoor detector	10
1132147	SPECTRUM PA WS WALL AM 4	Bidirectional wireless double side double PIR outdoor detector with antimasking	10
1135110	SSC	Rain protection cap for Spectrum	13
1135111	SSD	Spacer for Spectrum	13
1135109	SSL	Optional lens for Spectrum	13
1135112	STA	Tamper for Spectrum	13
1150140	TOY L	NFC key ring proximity tag	6
1150144	TOY L N	NFC key ring proximity tag	6
1131131	WIC4	Bidirectional wireless two-channels transmitter with magnetic contact - white housing	8
1131132	WIC4 B	Bidirectional wireless two-channels transmitter with magnetic contact - brown housing	8
1131129	WIC4 PLUS	Bidirectional wireless two-channels transmitter with magnetic contact and shock sensor - white housing	8

CODE	PRODUCT	FEATURES	PAG
1131130	WIC4 PLUS B	Bidirectional wireless two-channels transmitter with magnetic contact and shock sensor - brown housing	8
1131137	WING4 MWS	Bidirectional wireless curtain passive infrared detector with antimasking - white housing	9
1131135	WING4 WS	Bidirectional wireless curtain passive infrared detector - white housing	9
1131136	WING4 WS B	Bidirectional wireless curtain passive infrared detector - brown housing	9
1104102	XWIN	Programming software for Xtream/Capture/Raptor with wizard Included	12
9094120	ZB022	Lithium battery for detectors SPECTRUM WS/JET WS/WIC WS/A500 WS	13
9094124	ZB20105	Lithium battery for wireless detectors SPECTRUM WS and OUTSPIDER WS	13
9094121	ZBCR2032	Lithium battery for remote controls BIP	13
9094119	ZBDL123A	Lithium battery for wireless detectors JET 360 WS4/WING 4 WS/WIC 4 WS	13
9094123	ZBSL760	Lithium battery for wireless detectors ONE PAWS 4	13

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 carriage forward 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.

RIELLO ELETTRONICA

AVS electronics

ITALIAN SECURITY MANUFACTURER

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