



**Finally the WIRELESS  
you were looking for.  
For your home or business.**



**RIELLO ELETTRONICA**  
**AUS electronics**  
**ITALIAN SECURITY MANUFACTURER**



## Raptor: 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 and highly performing control panel, Raptor, thanks to an easy and simple programming, is Plug & Play: you have only to acquire the detectors, the remote controls and install the SIM Card and Raptor is ready to use.



SHOPPING CENTRES



SHOPS



OFFICES

### Quality **MADE IN ITALY.**

Raptor, completely designed and produced in Italy has an elegant design and guarantees, in any moment, a sure protection of your home and your business, thanks to the wide range of wireless indoor and outdoor devices available. With the already 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) allows also to send precise alarm, fault or system status messages.





## A control panel for every needs.

Complete range of control panels with and without embedded keypad, 125 zones, 125 remote controls, 8 partitions with 4 different types of arming for partitions, 64 scenarios, 16 telephone numbers, 2 wireless sirens, with optional IP and PSTN cards. The RAPTOR control panel has a wireless system (GFSK FM 868) which guarantees optimal safety in transmissions and, thanks to the automatic channel search function, it is able to detect any blinding attempts. Particularly refined is the new wireless detector technology that integrates the **Automatic Frequency Change (AFC)** function, with automatic frequency change at each transmission and is complete with **Dinamic Power Transmitter (DPT)**, the dynamic management of power and transmissions, according to the real needs.



**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)



**RAPTOR R**  
No Embedded keypad supplied in 220 VAC  
**RAPTOR RLC**  
No Embedded keypad supplied by batteries (included)

## EWEB VIDEO: EVERYTHING UNDER CONTROL WITH THE VIDEOVERIFICATION AVS!

With the new IP interface EWEB VIDEO that integrates the VIDEO VERIFICATION function, it's possible the visual control of the alarm events. The board allows you to manage up to 8 IP cameras with ONVIF® (S) protocol. EWEB VIDEO, for each camera combined with one or groups of alarm zones, stores the images before, during and after the alarm events, transferring them to the AVS Cloud, and thanks to the APP MYAVSALARM, the end user receives a complete PUSH notification of the video link with the recorded images, that he can view and save on his device.





# RAPTOR and its APP give you all the safety and freedom you desire.

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



## AVS SERVER CLOUD

The AVS cloud allows a secure and reliable connection, constantly supervising the connection to Internet.

## VIDEO VERIFICATIONS

The MY AVS ALARM App allows the reception of an MP4 video after an alarm event.



## PUSH-NOTIFICATIONS

The AVS Cloud is able to keep you informed on what is happening to your control panel, sending real time notifications of alarm, failure, login on your mobile.



## QUICK ACTION

Simple and quick management of the control panel with the simplifications of the accesses and the activation of quick commands. Your telephone can be a remote control.



## SIMPLIFIED SCENARIOS

With only a click, you can manage many functionalities. With this function, it makes simpler also the most complex commands.



## SIMPLE COMMANDS

A smart and simple interface, allows you to intuitively access to all the programmed functions of the system.



The AVS Cloud allows a secure and reliable connection, constantly supervising Internet, sending real-time notifications of alarm, failure, login and inefficiency of the network on your mobile. The system works with encrypted protocols and the AVS servers are certified according to the ISO IEC 27001: 2013 standard, ensuring security at the highest levels.

**AVS CLOUD  
THE BEST CLOUD  
FOR YOUR SAFETY**



# And help your installer to give you a better service, faster installation and simple maintenance.



**MyAVSManager** is the **APP** developed and studied for the installer, that allows professionals, from anywhere and any time, to program and configure, in **CLOUD**, the **RAPTOR** range of bi-directional wireless control panels, in **WIZARD** assisted menù and programming also all the parameters of the wireless devices.



## **CLOUD SERVER AVS**

Thanks to the **AVS Cloud**, no router configuration is required, no static IP addresses are required.



## **SIMPLE PROGRAMMING**

RAPTOR is already pre-programmed and with few and simple commands you can adapt it to the new installation. It is intuitive and practical.



## **WIRELESS DEVICES PROGRAMMING**

You can manage the different wireless devices associated to your control panel.



## **FASTER ASSISTANCE & EASY MAINTENANCE**

The use of high technology allows to get the maximum of the performance, a faster installation and a prompt and efficient maintenance service, saving time and costs, to better satisfy any needs.



## **CLOUD EVENT DIAGNOSTICS**

Continuous updating of the connection history APP-Control Panel-Cloud for a more efficient management of the system.

## **EXCLUSIVE WIZARD PROGRAMMING**

### **GUIDED PROGRAMMING WITH WIZARD**

A continually updated service, essential for safe installations operation, without no waste of time searching for information. Completely **FREE**, together with the **XWIN** programming software.



# RAPTOR - THE BIDIRECTIONAL SYSTEM COMPLETE AND EASY TO INSTALL

**CITY WS 4**  
LED OUTDOOR  
SIREN  
Available in carbon  
look version **(C)**



**GHOST WS 4PLUS**  
BIDIRECTIONAL  
WIRELESS  
TRANSMITTER FOR  
DOORS AND  
WINDOWS  
With two-channels  
magnetic contact and  
inertial detector



**WIC 4 PLUS - WIC 4 MINI PLUS**  
WIRELESS MAGNETIC CONTACT  
DOUBLE CHANNEL WITH  
INERTIAL  
Available also without the  
inertial **WIC 4 - WIC 4 MINI**  
and in brown color **(B)**



**JET 360 WS**  
INDOOR CEILING  
MOUNTING PIR



**SD4 WS**  
INDOOR OPTICAL SMOKE  
DETECTOR WIRELESS



**JET DT WS 4**  
INDOOR DOUBLE  
VOLUMETRIC  
TECHNOLOGY DETECTOR  
Available also in PIR  
**JET PA WS 4**



**\* RPT WS 4**  
BI-DIRECTIONAL  
WIRELESS REPEATER



**BIP 4 PLUS**  
BIDIRECTIONAL  
REMOTE CONTROL  
Available also in  
the mono directional  
version  
**BIP 4**  
and in Carbon Look  
**(C)**



**A500 WS 4**  
BI-DIRECTIONAL LCD  
WIRELESS KEY PAD,  
white color



**A500 PLUS WS 4**  
BI-DIRECTIONAL LCD WIRELESS  
KEYPAD, WITH ADVANCED FUNCTIONS,  
white color. Key pad available in  
**Carbon Look**. The AVS Cloud is able  
to keep you informed on what is  
happening to your control panel,  
sending real time notifications of  
alarm, failure, login on your mobile.

**SPECTRUM DT WS AM 4**  
DOUBLE TECHNOLOGY  
OUTDOOR DETECTOR  
Available in double side version WALL  
**SPECTRUM PA WS WALL 4** and  
**SPECTRUM PA WS WALL AM 4**



**OUTSPIDER DT WS 4**  
DOUBLE TECHNOLOGY  
OUTDOOR DETECTOR  
Available also in double PIR  
**OUTSPIDER PA WS 4**



**ONE PA WS 4**  
OUTDOOR CURTAIN  
DETECTOR



**WING 4 WS**  
INDOOR CURTAIN DETECTOR  
For the protection of windows and  
doors. Available also with the  
antimasking **WING 4 MWS**



**\* Product available soon**





## CONTROL PANEL RAPTOR - TECHNICAL DATA

	220 AC			BATTERY	
	RAPTOR R	RAPTOR RK	RAPTOR RT	RAPTOR R LC	RAPTOR RK LC
	RAPTOR R 4G	RAPTOR RK 4G	RAPTOR RT 4G	RAPTOR R LC 4G	RAPTOR RK LC 4G
<b>INPUT &amp; OUTPUT</b>					
Programmable software zones	125	125	125	125	125
Wired input zones	3 + 8	3 + 8	3 + 8	X	X
Zone mapping	√	√	√	√	√
Management input : 1R - 2R - NC -NA	√	√	√	X	X
Relais (C/NC/NO) for traditional sirens	1	1	1	X	X
Open collector output on board	2	2	2	X	X
<b>FUNCTIONAL FEATURES</b>					
Areas	8	8	8	8	8
Arming /partialization per area	4	4	4	4	4
Area for round check	√	√	√	√	√
Multifunctional Scenarios	64	64	64	64	64
<b>WIRELESS</b>					
Bidirectional communication GFSK - FM868 Mhz	√	√	√	√	√
AFC (Automatic Frequency Change)	√	√	√	√	√
Dynamic power transmission management - DPT (Dinamic Power Transmission)	√	√	√	√	√
RDS (Remote Detector Setting)	√	√	√	√	√
Dynamic management low consumption - ALP (Automatic Low Power)	√	√	√	√	√
Wireless Jamming detection	√	√	√	√	√
Wireless range in open area	200	200	200	200	200
<b>VARIOUS WIRELESS</b>					
Wireless keypads	8	8	8	8	8
Wireless Sirens	2	2	2	2	2
Wireless Detectors	125	125	125	125	125
Remote controls (keyfobs)	125	125	125	125	125
<b>KEY &amp; CODES</b>					
Installer Code	2	2	2	2	2
User Code & Emergency codes	125	125	125	125	125
Keys/Tag NFC with user recognition	125	125	125	125	125
<b>NETWORK TCP-IP CONNECTIVITY</b>					
Interface communicator with other systems"	√	√	√	X	X
WEB Server Inteface	√	√	√	X	X
User Management with App My Avs Alarm in Cloud	√	√	√	X	X
Control Panel Programming with the Installer APP My Avs Manager in Cloud	√	√	√	√	√
<b>PHONE DIALLER</b>					
PSTN Dialer	opt	opt	opt	opt - no rtc	opt - no rtc
GSM/GPRS with vocal / digital / sms	√	√	√	√ - no rtc	√ - no rtc
2G - 3G - LTE - 4G Dialer	Only 4G model				
Vocal Sint. With pre-recorded library and 40 customizable messageges	√	√	√	√	√
Phone numbers	16	16	16	16	16
Interactive Vocal with online help for full user management	√	√	√	√	√
Remote System management from phones (DTMF)	√	√	√	X	X
Periodic call testing to check system functionality	√	√	√	√	√
Vocal guide	√	√	√	√	√
Remote listening	√	√	√	√	√
<b>TIMERS</b>					
Weekly Timer	√	√	√	√	√
Bank Holidays Management	10	10	10	10	10
Daily Operations: Areas: Arming / Disarming	16	16	16	16	16
<b>SYSTEM PROGRAMMING AND CONFIGURATION</b>					
XWIN: Programming software with real time functionality	√	√	√	Local	Local
Wizard on App MY AVS MANAGER installer	√	√	√	√	√
App MY AVS MANAGER installer - Total programming	√	√	√	√	√
Wizard installer on keypad with vocal syntesys	X	√	√	X	√
<b>CONFIGURATIONS OF WIRELESS DEVICES</b>					
Setting - Range/ sensibility -	√	√	√	√	√
Setting Special Functions - Accelerometer - AM - SW - Alarm	√	√	√	√	√
Management of reduction of consumption	√	√	√	√	√
<b>STRUCTURE</b>					
Embedded Siren	√	√	√	√	√
Speaker	√	√	√	√	√
USB	√	√	√	√	√
Embedded NFC reader	X	√	√	X	√
Switching Power Supply	1A	1A	1A	X	X
Batteries	12 V 2,1 Ah	12 V 2,1 Ah	12 V 2,1 Ah	6x1,5Vdc D	6x1,5Vdc D
Key pad on BUS RS485	7	7	7	X	X
Cabinet (L x H x P) mm	247 x 232 x 55				



## SYSTEM ACCESSORIES

**ICE**  
Touchscreen keypad  
BUS RS485



**A 500/A600 EVO**  
LCD keypad  
BUS RS485



**TOY L/TOY LN**  
TAG proximity  
**NFC**



**C 8**  
System Expansion  
module with 8 terminals



**PWCPT**  
Additional power supply  
1.2 Amp with inputs and  
outputs zones  
**PWCPTM** Version 1.6 Amp



**XGSM 485 4G**  
**XGSM 485 PRO 4G**  
Serial bus GPRS  
Phone Dialer



**CITY HP**  
**TS 85 HP**  
LED sirens on  
RS485 serial BUS



**PSTN B**  
Optional board for  
PSTN connection



**EWEB PLUS B**  
Optional Ethernet  
network board  
**EWEB WIFI B**  
WIFI version



**EWEB PLUS B**  
**VIDEO**  
Optional Ethernet  
network with VIDEO  
**EWEB WIFI II B VIDEO**  
WIFI version



**XGATE**  
Domotic integration board  
operating with the following  
protocols: EIB / KNX o  
MOBUS



**AVS ELECTRONICS S.p.A.**

Via Valsugana, 63 - 35010 Curtarolo (PD) - Italy  
Tel. +39 049 9698 411 - Fax +39 049 9698 407

avs@avselectronics.it - www.avselectronics.com