



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

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## **PRESS RELEASE**

### **AVS ELECTRONICS**

*ITALIAN SECURITY MANUFACTURER SINCE 1974*



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## Who is AVS ELECTRONICS?

AVS ELECTRONICS is present on the market since 1974 as an Italian producer of security systems, becoming a leading company in its field. With over 40 years of a successful history, AVS is focused on research and development, design and production of safety products, offering to the market a complete range of quality products, technologically advanced, unique, reliable, guaranteed over time, to create welfare and safety in everyday life.

With its Italian headquarter located 45 km far from Venice, AVS ELECTRONICS is distributed all over the world.



AVS ELECTRONICS is part of RIELLO ELETTRONICA group, the 4th worldwide UPS manufacturer. Research, development and distribution of new technologies are the goals of AVS ELECTRONICS, offering to the market all solutions certified according to the International standards, proposing to installers technical support, seminars updates and 3-year warranty for all the products.

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## **RAPTOR:**

**the new AVS Bidirectional Wireless system with GFSK technology, complete and easy to install!**

Raptor is the new wireless system that works with the new innovative technology of GFSK FM 868 Mhz, for your home and business.

Designed and realized in the AVS Electronics R&D, the Raptor platform, answers to the latest and modern installations demands, unifying high technology, easy installation functionality to be user friendly. Easy to be installed and programmed by professionals thanks to the AVS WIZARD, Raptor offer a modularity of 1 to 125 inputs, offering the maximum flexibility, for a tailor made configuration.

The bidirectional communication between the control panel and the devices and the "DPT" (Dynamic Power Transmission) 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 new APP "MYAVSMANAGER" connected with the AVS Cloud Server, is the innovative tool for smartphone and tablets, that offer to the installer the powerful and easy way of system configuration.



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## **FOGGY 30 - protect up to 750 mc of goods in 1 min against robberies with an active fog generator**



AVS ELECTRONICS introduces FOGGY 30, the new EN50131-8 certified solution for an "active" protection, based on a screening FOG effect, designed for the active security of small, medium and large commercial and residential properties.

In case of burglary, Foggy 30 generates a white \*FOG\* of security which masks totally in few seconds a volume of up to 300cm and – consequently - stops definitively the action of the bandit. After a spray, the fog completely vanishes after 20/30 minutes and leaves no residue or smell at all, whatever are the protected goods. In some special circumstances - to maintain a stronger fog effect for a longer period - a special pulsed spray setting exists that increases

consequently the opacity of the fog more time.

This Foggy 30's fog is totally harmless for people and animals, it is suitable for all environments, aimed to protect delicate and precious goods: glasses, computer, mobile phones, jewellery, clothing, machinery, furniture. Easy to install, Foggy 30 can be positioned practically everywhere: on the walls, on the ceilings, hidden in the cupboards or also in the false ceiling (thanks to an advanced accessory!) Four different nozzles are available in order to adapt the fog orientation to the environment.

FOGGY 30 can be used alone or can extend whatever type of control panel thanks to its universal inputs interface. Foggy 30 is also the \*richer\* cannon fog on the market thanks to its integrated radio receiver which allows its control and activation with the



"BIP " remote control. An optional GSM module exists also to send and receive SMS messages of the state of the machine or to activate it remotely. The already free integrated USB interface gives a total control of the machine with whatever computer.

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### **OUTSPIDER DT WS – a wireless detector that protects outside with no false alarms**

Avs Electronics' OUTSPIDER DT WS is an outdoor passive detector that associates a double PIR sensor with a microwave antenna and combines these technologies with the flexibility of radio communication.

OUTSPIDER DT WS includes advanced technical features, with an innovative design and detailed mechanics elements, in order to offer the possibility to use it for the security of residential and civil sites, but also for the protection of large commercial and industrial locations. OUTSPIDER DT WS focuses on flexibility and security by joining the concreteness of dual infrared and microwave detection with the versatility of the radio communication which provides freedom and ease of installation wherever are placed the cables which are often difficult to install outdoor.



Technically, the integration of the dual passive infrared and microwave leads to the conclusion that OUTSPIDER DT WS is a detector with 3 sections (2 PIR - 1 MW) working in AND between them. A modern and powerful microprocessor of latest generation performs complex analyses which ensures the maximum reliability in extreme operating conditions. The safety of the detector is ensured by an effective system of protection by active infrared, that monitors perfectly the total surface of the lens. This system reports any masking attempts and distinguishes it and from the normal deterioration of the lens due to the slow normal deposition of dust. Two separate outputs allow to quickly identify the type of problem going on.

The sensor opening is 90 degrees and the detection range starts from 15 to go up to 23 meters; the installation height begins at 1 meter and finish at 2,70 meters, thanks to 4 available lenses. When installed on a computer connected to the sensor by USB, the optional "HPWIN" software lets you to see and manage all operating parameters; a digital oscilloscope also offers the opportunity of monitoring all the sensor's signals and consents to identity any environmental trouble.

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### **ONE DT- a small digital curtain outdoor detector with incredible possibilities**



AVS Electronics' ONE DT is the dual technology detector from the ONE range. It is composed of a passive infrared and microwave at 24 GHz coverage with curtain effect, ideal for buildings outdoor protection. Thanks to its small size, it fits easily in all environment. ONE DT has an advanced technological equipment that creates an innovative layer of security few inches from the building perimeter.

ONE DT presents a maximum range of 12 meters and has built-in outputs relay for a universal connection. It integrates two effective anti-masking technologies: an active infrared detection for an obstacle placed in front of the sensor up to a maximum distance of 10 cm and a microwave antimasking solution that detects the approach of an obstacle located up to 1 meter from the device. The tamper, tear and disorientation protections are handled by the "accelerometer" sensor that dynamically controls also the environmental temperature variations.

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### **Digital microwave barriers BM HP – high security digital perimeter protection**

BM HP range of digital microwave barriers is the Avs Electronics perimeter protection system designed for effective and extremely accurate detection. Two units, a transmitter and a receiver, materialize the HP BM barriers. They are synchronized one with the other one thanks to an innovative system of digital analysis of the signal.

The cutting-edge generation microprocessor distinguishes clearly and effectively the characteristic waveforms of an intrusion and reads the resulting signals with high precision. BM..HP microwave barriers are proposed in several models, in different range, from 60 to 200 meters, also including 220 Vac power supply.



HP BM barriers are simple and versatile to use, ideal for both small residential areas and in large areas such as car parks, military sites, airports, shopping malls, photovoltaic plants, wind power. One of the innovative functionality "WIND UP" is very much appreciated because it let you select the area of intervention by reducing the area of analysis of up to 20/30% of declared one.

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### **STARLINK2 - new bidirectional GSM interface that really doubles the PSTN line security**



STARLINK2 is the new bidirectional GSM interface. STARLINK2 is able to manage a regular PSTN line and to switch an ordinary PSTN call, from a normal phone, in a GSM call. Thanks to its double SIM card, STARLINK2 will also guarantee a higher level of security: in case of low credit on the SIM card or in case of GSM network failure, it will automatically transfer the call on the 2nd SIM card.

Connected to any normal phone or alarm dialler, STARLINK2 gives the possibility to emit or receive a call from the GSM network: in this case, it will replace or integrate the present PSTN line. It can then be used in an alarm system or – solely – to make vocal calls in case of absence of PSTN line. STARLINK2 is flexible: it is able to translate the CONTACT ID calls from the control panel digital dialler in SMS messages. It also can be connected to whatever phone powered by the phone line to STARLINK2 and then simulates a land line for your house phone.