new

Ad Guard Wi-Fi

Wi-Fi EAS Net remote tuning

WG Global

Zero False Alarm* 58 KHz Acoustomagnetic EAS

*our patented system algorithm avoid false alarms from when walking through the gate.

Ad Guard Wi-Fi new

Two functions
One antenna

... Effective theft protection and additional advertising space

Ad Guard is a powerful retail security and advertising column at the same time. The "Ad" stands for advertising.

If only a small, slender antenna can be accepted our Ad Guard with only 33 cm width is perfect. Using modern signal technology the slim antenna can protect, free passages up to 240cm between two antennas

The system software can be optimized to your selection of resonator, ferrite based hard tags or labels.

The functions of the new WG-goods system platform, such as jammer detection or the assistant-function to solve operator errors are standard on board.

Consequent tagging with 4-Alarm or traditional WG security tags is important to deter shoplifters right at the product.

Wi-Fi EAS Net remote tuning

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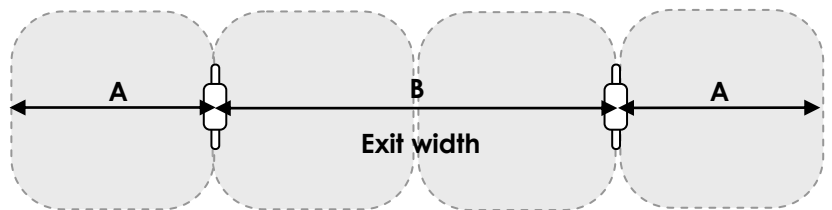**A: Tel.**   +43 810 900 313-0   Fax: -29

www.wgglobal.de

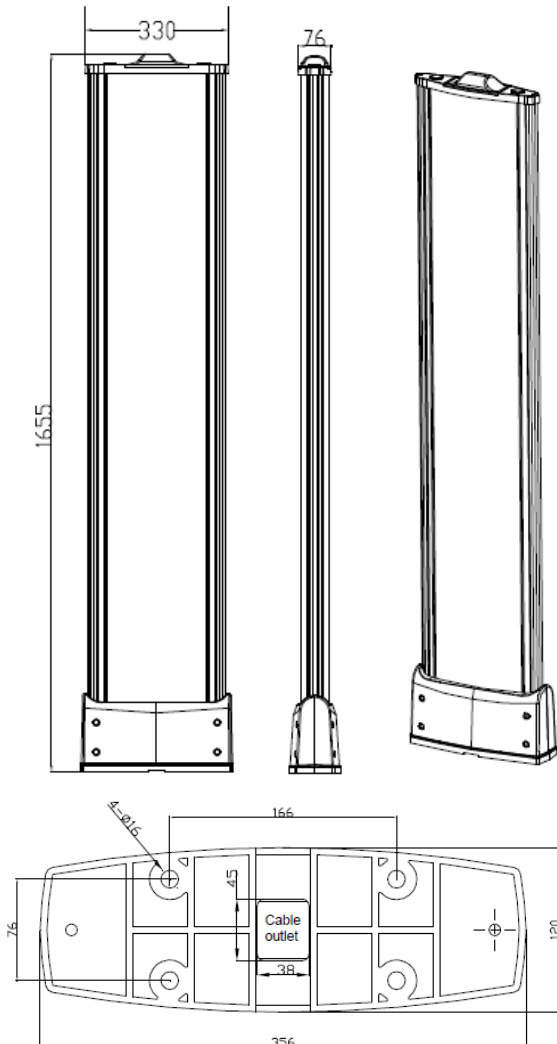## Ad Guard Wi-Fi - Specifications:

Specifications:
Working frequency range: 58 kHz
Power supply: 230 V / AC - 24 V / AC
Power consumption: 35 W
Ambient temperature: 0 ° - 30 ° C
Weight: 22 kg
Antenna dimensions: 1655x330x76 mm
Dimensions of base: 356x120 mm
Format of the advertising space: 1470 x 280 mm

Exit width

Alarmzone in cm			
Tag Type	**A**	**B**	**A**
Label Type MUS-DR	90	180	90
Hardtag Super Tag	90	180	90
Micro Shell, Micro Pencil, Lanyard Tag	90	180	90
Shell, Mid Pencil	130	260	130
Super Pencil	150	300	150

Remark:
For physically reasons a reduced detection performance can happen in the middle between transceiver antennas.
We recommend the use of powerful WG Tags built to work perfect with this system. Underperforming labels will reach lower detection levels. And lower detection height.

To avoid alarms by labels in the close proximity of the antennas, a safety zone with no tags (about 40-45% of the exit width) should be kept on all sides.
AM EAS systems are radio transmission systems on the approved working frequency of 58 KHz. Devices being unsuppressed or not corresponding to recent standards (EN 300330 / EN 301489-3) can cause interference and negatively affect system performance. Changes in the environment and surrounding may require a retuning of any EAS System.
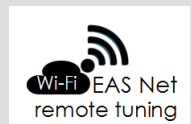
Product Codes:
Components
WG WFAG   Ad Guard Wi-Fi Antenna
WG SPS   Smart Power Supply

Configured Sets: (Antenna, Power supply and cable)
K WFAG-1   1 Antenna-System
K WFAG-2   2 Antenna-System
K WFAG-3   3 Antenna-System
K WFAG-4   4 Antenna-System

new

Ad Guard XL Wi-Fi

Wi-Fi EAS Net remote tuning

WG Global

Zero False Alarm* 58 KHz Acoustomagnetic EAS

*our patented system algorithm avoid false alarms from when walking through the gate.

Ad Guard XL Wi-Fi

new

More advertisement and more security

... Effective theft protection and additional advertising space

AD Guard XL is the big brother of the Ad Guard article surveillance system. Because advertisement sometimes need more space for better recognition or antennas need larger circuits for enhanced performance. AD Guard XL provides up to 3 m clear passage width between the antennas. Most customers use the advertising space for permanent image communication.

The system software can be optimized to your selection of resonator or ferrite based hard tags or labels.

The functions of the new WG-goods system platform, such as jammer detection or the assistant-function to solve operator errors are standard on board.

Consequent tagging with 4-Alarm or traditional WG security tags is important to deter shoplifters right at the product.

Wi-Fi EAS Net
remote tuning

WG Global GmbH
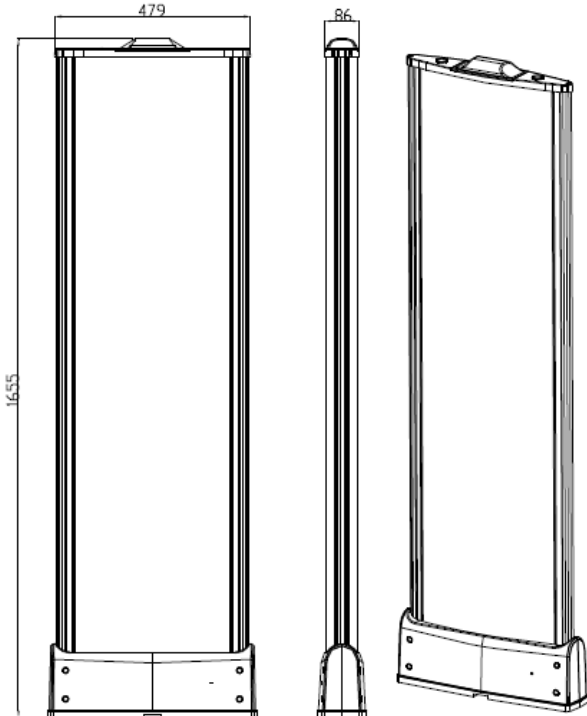
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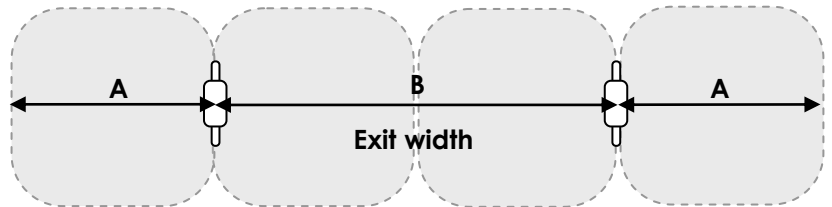**A: Tel.** +43 810 900 313-0 Fax: -29

www.wgglobal.de

Ad Guard XL Wi-Fi - Specifications

Specifications:
Working frequency range: 58 kHz
Power supply: 230 V / AC - 24 V / AC
Power consumption: 39 W
Ambient temperature: 0 ° - 30 ° C
Weight: 27 kg
Antenna dimensions: 1655x429x76 mm
Dimensions of base: 356x120 mm
Format of the advertising space: 1470 x 425 mm

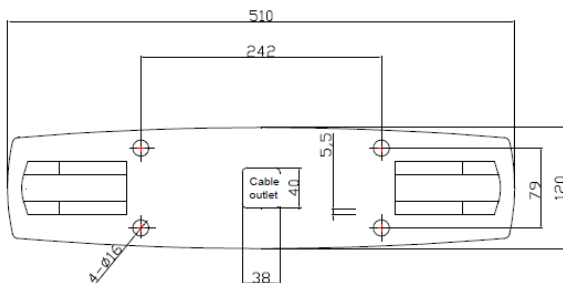| Alarmzone in cm			
Tag Type	**A**	**B**	**A**
LabelsType MUS-DR	120	240	120
Hardtag Super Tag	120	240	120
Micro Shell, Micro Pencil, Lanyard Tag	120	240	120
Shell, Mid Pencil	160	320	160
Super Pencil	190	380	190

Remark:
For physically reasons a reduced detection performance can happen in the middle between transceiver antennas.
We recommend the use of powerful WG Tags built to work perfect with this system. Underperforming labels will reach lower detection levels. And lower detection height.

To avoid alarms by labels in the close proximity of the antennas, a safety zone with no tags (about 40-45% of the exit width) should be kept on all sides.
AM EAS systems are radio transmission systems on the approved working frequency of 58 KHz. Devices being unsuppressed or not corresponding to recent standards (EN 300330 / EN 301489-3) can cause interference and negatively affect system performance. Changes in the environment and surrounding may require a retuning of any EAS System.

Product Codes:
Components
WG WFAGX	Ad Guard XL Wi-Fi Antenna
WG SPS	Smart Power Supply

Configured Sets: Antenna, Power supply and cable)
K WFAGX-1	1 Antenna-System
K WFAGX-2	2 Antenna-System
K WFAGX-3	3 Antenna-System
K WFAGX-4	4 Antenna-System

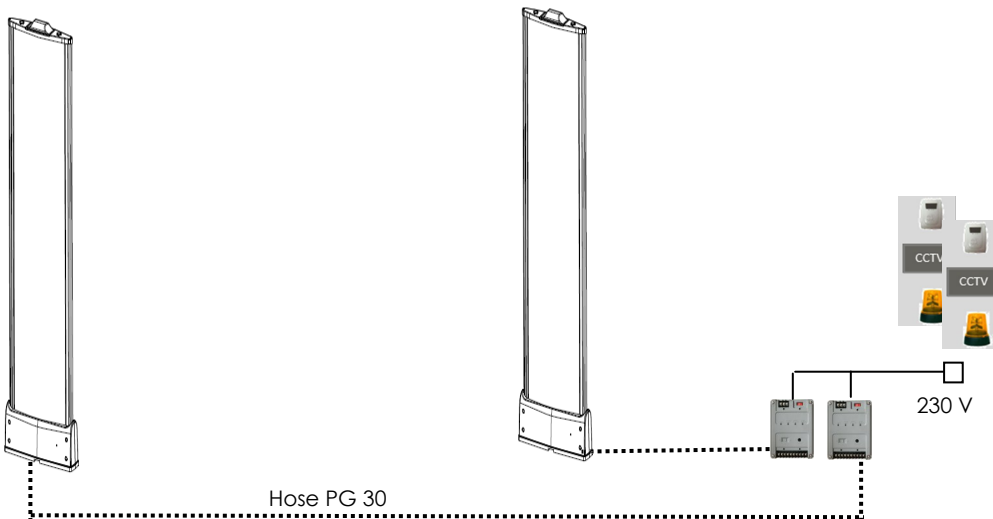## Ad Guard / Ad Guard XL WiFi - applications:

Ad Guard antennas are common in every retail segment.
Whether the advertising space transports a permanent advertising claim or changing promotions.
It is your choice.

With installing the system, WG Global provide and mount your first advertising poster. Professionally printed on durable PP material from your PDF file format 147 x 28 cm for Ad Guard) or 147 x 42.5 cm for Ad Guard XL.

Some design examples:

Installation description
for Ad Guard und Ad Guard XL:

Preparations:
230 V, on common phase with all Plastic PG30 hose between power supply and system controller.

dry contacts for connection to external alarms and CCTV systems at the SPS power supply

230 V

Hose PG 30

The antennas are mounted by means of drilled and cemented into the ground stud. Underfloor heating or water pipes in areas of installation are important to announce. For floor heating optional special steel floor adhesive plates can be supplied, on which the antennas can be screwed, without having to perform drilling.

The alarm is audible and visual directly on the antenna or at an optional remote alarm unit.

Each antenna is fed by 24 V voltage through a system cable from the SPS-Smart-Power-Supply. Cables are usually run through PG-30 plastic protection pipes in the ground or cable tunnels. Since the antennas are operated with 24 V low voltage only, the cables may even be placed directly into a grid in the floor and covered by silicone.

Connection to the WG EAS-remote tuning service is easily made by Wi-Fi. The system controller is ready prepared.

The Smart Power Supply (SPS) is not only a power supply, it offers some very useful troubleshooting functions and therefore should be accessible for staff i.e. in the counter, the manager´s room or possibly incorporated in an IT- or CCTV-19" Rack. It is connected via the enclosed 8 m long six-pin cable or for distances up to 60 m a through a cable with larger diameter (i.e. WG EAS System cable Type 2 with i.e. 7x1,5mm).

SPS has connection joints for dry contacts to trigger a CCTV-system in case of EAS-alarm or jammer-alarm. Also the alarm volume can be adjusted remotely from the SPS. The exclusive TX-switch is a great support for the store people if they search for labels in the security zone. SPS can be clicked on a standard DIN-rail (Din 46277-3) holder system.
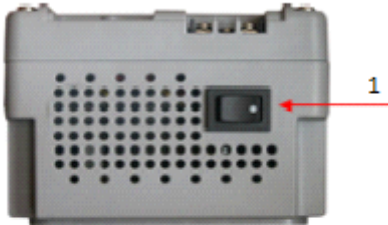
Preparations:
230V (min. 3x2.5 mm²) on dedicated circuit, at the same phase (L1 recommended) with the accessories. Fuse minimum 16 A. Current consumption max. 50 W per system, and 10/120 W (continuous / peak-pulse) per deactivator . Power sockets shall be un-twistable to avoid phasing issues.
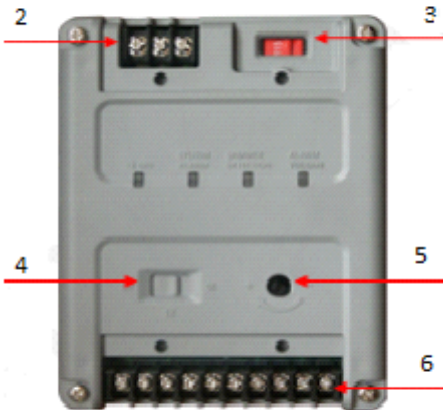
PG 30 Plastic conduits (recommended. 30 or 32mm)with inserted pull wire, btw. antenna and power supply as indicated in the project outline.

Smart Power Supply (SPS) - Specifications.

SPS Front View

SPS Top View

SPS Rear View

The universal power supply for the new WG Retail security systems:

Each system master or extender antenna requires a SPS. We recommend to have the SPS accessible for the store staff to disable and reboot (1) the system in case of a malfunction.

The 230 V (16 A slow blow fuse) connection is made via terminal box (2) by a regular min. 3x2.5 mm² cable. Dedicated circuit (separate fuse), and common phase (L1) with all acoustomagnetic accessories is recommended. Power consumption max 50 W per system, per deactivator 10/120 W (continuous or pulse).

If a system gives spontaneous alarms the TX switch (4) helps to verify if maybe is a system tuning or synchronization issue or a user error (tags too close) is the reason.

The alarm volume (5) can be varied.
Dry contacts for connection to external alarm consoles or CCTV-Systems systems are applied to the output terminal block (6).

Plastic conduits with pull wire (PG 30 recommended.) between SPS and antenna shall be prepared as specified in the respective project outline and drawings.
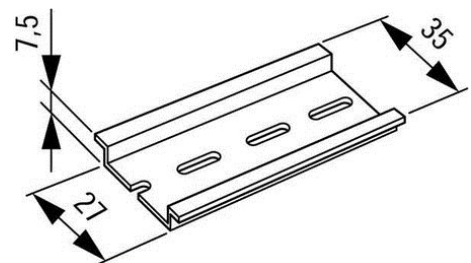
Dimensions:

SPS-Power supply: 110 x 138 x 80 mm   1,8 kg

Product Codes:

WG SPS   Smart Power Supply

SPS can be clicked on a standard DIN 46277-3 rail holder system.

We recommend to install SPS in a dedicated box, locked but easy accessible in service needs.

EAS-Net Remote Tuning & Diagnostic

new

Our acousto-magnetic EAS systems are extremely robust and built to operate in the modern retail infrastructure.

The antennas and controllers are designed to be maintenance free as a preventive maintenance is not practical.

Reasons for service calls are, changes in the surrounding or synchronization issues. The most common actually is that someone has placed a tag very close to a system, which creates a permanent alarm.

But even the best technology can fail once or when conditions have changed the system requires a proper tuning again.

WG's new Remote Tuning & Diagnostic software functionality comes with all new Wi-Fi EAS-systems.

The systems can connect to a protected cloud-based service structure. Since no customer has placed LAN sockets at the antenna position in the entrance our systems use advanced Wi-Fi technology to connect to the EAS-Net Cloud.

Using the retailers WLAN network there is no investment in additional costly infrastructure necessary.

The status of the connected systems can be seen and analyzed.

In case of malfunction, the system can be retuned or synchronized remotely. Or it can be determined whether a continuous alarm comes from tags or labels in the immediate vicinity of the antenna.

Travel costs are avoided and the response time for troubleshooting becomes shorter.

Thus the system availability rises even higher.

Wi-Fi EAS Net
remote tuning

See the Remote tuning video

http://www.wgglobal.eu/Remote_tuning.html

Why acoustomagnetic technology?

AM EAS-systems are proven to have the highest detection rate in the industry. Even on products where RF and RFID technology fail because of given physical conditions, AM still performs best.

If labels are posted on aluminum foil or cans or when packaging is made of glossy cartons containing a thin layer of metal to achieve the great optical effect, the RF signal is shielded. Even in metal shopping carts or conductive materials such as Spirits and perfumes, AM detects better than all other EAS-technologies. It is reliable.

Possibly the most important fact for users and customers is that WG systems operate false-alarm free - because our special system algorithm eliminates false alarms from objects carried through the system. When a customer is in the gate and the system alarms, you can bet: Maybe you forgot to remove the tag or the customer "forgot" to pay. Anyway you will find a tag.

Our new Wi-Fi and BTL systems have reduced power consumption, offer jammer detection, wider exit widths, help users to identify alarms from tags being too close to the system and are compatible with RFID systems.

Smallest tags, reliable deactivation, and thanks to 4-alarm "Extreme Security" the maximum security level against professional shoplifters.

All this provides for the sustainable reduction of your shrinkage and an ongoing staff motivation.

All this counts.

About WG Global:

Each market segment, and each region has its specific problem areas and therefore require specific products.

We are constantly learning from practice and apply this know-how incorporated directly in the development of new solutions. This is part of our corporate philosophy and works best in an owner-managed company with direct access to resources - such as WG.

Creating first class solutions and functionality at an attractive price is our goal. Customer service includes product availability. In in our two warehouse buildings in Surheim we have sufficient storage capacity for 1200 pallets.

Many renowned retailers in Germany and Austria are already working with WG-Global´s direct operations. To accompany their expansion WG has internationally experienced project managers.

WG Products are also available through our Sales and Service partners in over 60 countries creating our Global Service Partner Network.

WG as a medium-sized owner-managed company usually responds far more flexibly to our customers' requirements than others can. Our style is rather hands on than playing Power point.

Check it out and call WG or our local partner.

Disclaimer

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