

Lane Guard



Zero False Alarm* 58 KHz Acoustomagnetic EAS

*Our patented system algorithm avoids false when walking through the system.

BTL Lane Guard

Lane Guard is the EAS system for the self-checkout area. It was specifically designed to meet the requirements of European food retailers and specialty stores.

Lane Guard can adapt to the different checkout types. The optional mounting bracket act simultaneously as a pro-ector to avoid the impact of shopping carts crashing against an antenna. The design of the bracket leads heavily laden shopping trolleys easily around the EAS system without damaging it. Depending on the checkout type

Lane Guard can be mounted free standing or being attached to check stand, wall or customer guidance systems. Lane Guard's standard application is as a single antenna. Therefore the ergonomics of the checkout counter remains entirely unchanged. Nothing slows the throughput and no antenna hinders the customer flow. The system software can be optimized to your selection of resonator or ferrite based hard tags or labels.



BTL Lane Guard in Hypermarkets



The design of Lane Guard was made for simple integration in check-stands on the one hand and the robustness in tough retail environments in the foreground. Most EAS Systems are not built for the unavoidable contact with shopping carts and will show wear out quickly.

Special protectors and robust ABS material antenna body solve this problem.

Most Lane Guard's are used as a single antenna in the counter. The antenna is mounted on the opposite side of cash and monitors. They check the lane from the rear. So there is nothing between customer and cashier and the ergonomics of the checkout counter is not affected.



At Tandem cash desk's the antenna is centered between the lanes and is attached by the FS kit to the customer guiding elements (eg Wanzl).

Lane Guard with FM Kit with mounting Bracket and protector for check stand



Lane Guard with FS Kit as mounting bracket and protector used on a WANZL guidance system.



BTL Lane Guard in Specialty Stores



Of course, Lane Guard can be installed in dual or triple system configurations for larger exits. Often used to protect the front entrance of Hypermarkets and specialty stores. A dual configuration also fits perfectly to protect cash desks with a wider exit width, i.e. lane wider for wheel chairs of handicapped customers.



The durable ABS body of Lane Guard makes it enormously robust. A dual configuration can protect a free entrance of 5ft - 6ft using labels or small hard tags.



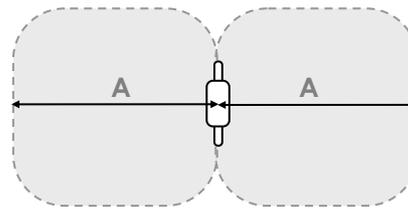
Lane Guard Specifications:

Specifications.:

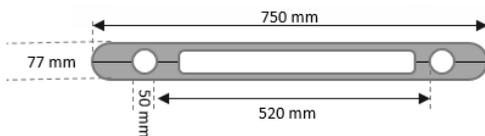
Working frequency range: 58 kHz
 Power supply: 110 V / AC - 24 V / AC
 Power consumption: 35 W
 Ambient temperature: 0 ° - 30 ° C
 Weight: 22 kg
 Antenna dimensions: 1400x360x39mm 25 kg
 Dimensions Base: 440x71 mm
 FS Kit: 800x120x90 mm, 1.1 kg
 FM Kit: 520x120x90 mm 0.6 kg



Lane Guard with FM Kit. with FS Kit.
 Wall or cash desk mount Wanzl-guidance



Alarmzone in feet	
Tag Type	A
Label Type MUS-DR	3ft
Hardtag Super Tag	3ft
Micro Shell, Micro Pencil, Lanyard Tag	3ft
Shell, Mid Pencil	4.5ft
Super Pencil	5ft



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. Under performing 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 BTL LG Lane Guard Antenna with base
 WG LGTR FS WG LGTR FM Lane Guard mounting bracket for Wanzl or other guidance systems
 WG SPS Lane Guard mounting bracket for wall or cash desk mounting
 Smart Power Supply

(Antenna, Power supply and cable)

Configured Sets:

- K BTL LG-1 • 1 Antenna System
- K BTL LG-2 • 2 Antenna System



Installations description For WG Lane Guard.



Preparations:

110 V, on common phase with all Plastic PG30 hose between the power supply and system controller.

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

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 24V 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 managers 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:

110V (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.

The universal power supply for 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 110 V (16 A slow blow fuse) connection is made via terminal box (2) by a regular min. 3x2.5 mm² cable. Dedi-cated circuit (separate fuse), and common phase (L1) with all acoustomagnetic accessories is recommended. Power consumption max 50 W per system, per deactiva-tor 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 synchroniza-tion 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 speci-fied in the respective project outline and drawings.

Dimensions:

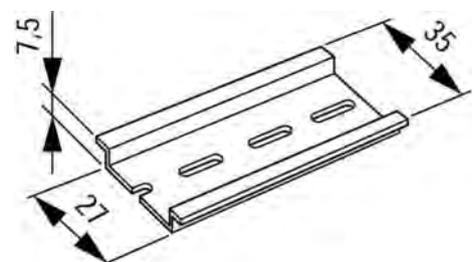
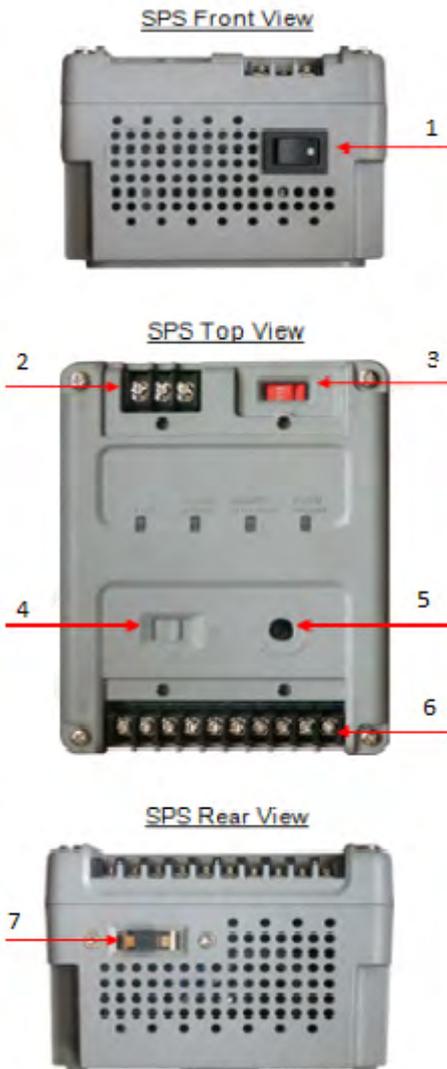
SPS Power supply:

Product Codes:

WG SPS

110 x 138 x 80 mm 1,8 kg

Smart Power Supply



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

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