

Sky Guard III Wi-Fi



Zero False Alarm* 58 KHz Acoustomagnetic EAS

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

Sky Guard III

Invisible Is visibly better!

The Invisible Loop Detection System is the ultimate for your stores interior design. It is the choice of many high-end apparel merchants, as the discreteness of the detection system doesn't interfere with the visual appearance of the doorway.

The compact detection system is actually built into the door frame, eliminating the need for exposed hardware.

Sky Guard III with its active turbo antennas is the best solution if a customer wants to have high class security but a fully invisible or very discrete tagging system. This is the ideal detection solution for a wide doorway.

The flexible transmission loop and the noise cancellation of the Turbo antennas allows for a system with superior detection. Great aesthetic and nothing interferes with stunning store architecture.



Sky Guard III Installations:

Sky Guard III may be installed on an existing door frame or integrated into new portals.



Sky Guard III with visible turbo antennas

The transmitter loop (cable) is installed into a conduit (empty tube, slot, groove). The receiver antennas can be mounted hidden or visibly but must remain accessible for service matters.

Sky Guard frame:

The system comes with a Section frame (60 x 60 mm or 50 x 50 mm) in the desired color. This frame is built around the exit. The loop cable in the ground is done in an plastic conduit. The profiles are supplied painted in 3000 mm length, in your RAL color, cut to the correct length on site and attached to the existing portal by gluing or screwing. The profiles of the frame are de-signed to cover the entire antenna technology and cabling. The system controller may be installed above the door or disappear behind a Revi-flap in the ceiling.



Sky Guard III for automatic doors:

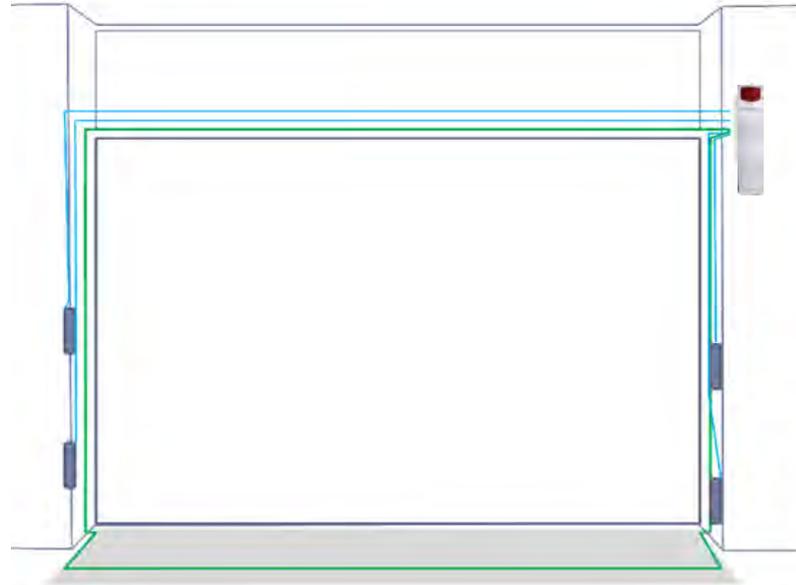
Specially configured for automatic sliding doors, the antennas are integrated into the portal. The door portal will be built or modified by your supplier according to our guidelines. The system is thus completely invisible and protected. The color is adjusted to those of your portal. Special advantage: No antennas hinder the customer flow. More selling space because of no space re-quired for EAS antennas. Sky Guard III can be used for automatic doors in situations where space and protection against damage from shopping carts is required.

Sky Guard III in individual profile:

Your architect will be equipped with the necessary specs and supported with needed knowledge and information's to be able to build your individual Sky Guard III profile i.e. from Aluminum or stainless steel with stylish glass or plastic covers for the receiving antennas.



Sky Guard III - Installation description:



Transmission Lines and Antennas Turbo:

Around the door a transmit antenna cable (shown green) is mounted. In the floor this cable is run in a 1.2" plastic conduit. To achieve a little earlier detection the conduit is run about 16-20 inches inside the store.

Two turbo-receiver antennas are mounted on the right and left of the door at a height of about 20 - 30 inches and 40-50 inches (antenna bottom edge). The door frame must not build a closed metal ring. If so, the frame must be interrupted in only one section for 1 mm to avoid the effect of a Faraday cage. The transmitter loop needs to stay in a proximity of 3.2 - 4 inches from magnetic metal to achieve best performance. Simple and elegant, the Sky-Guard cables and antennas can be installed in an individually custom-painted (RAL color Sky Guard Frame).

For even more individual solutions the receiving antennas (Turbo antennas) can be covered in wood or plastic, but must remain accessible for service adjustments. The transmission cable may also be conducted in a non-magnetic metal (aluminum or stainless steel). Then corresponding "windows" for the receiver antennas must be provided.

The alarm is audible and visual directly to the central electronics or an optional remote alarm unit. The central unit has a built in power supply, the Turbo antennas are powered by a small power supply.

Preparations:

110 V connection, with a dedicated line, at the position of the central unit
 PG30 conduit in the floor or in accordance with the project drawings and specifications.



Sky Guard III - applications:



Sky Guard III is particularly used where high-quality merchandise presentation and shopping atmosphere are important on one hand and optimizing the effective retail space management and avoidance of barriers on the other hand considerably.

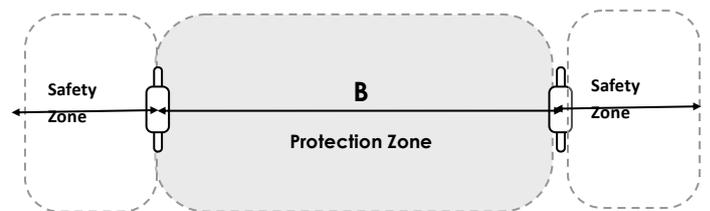
Fashion:

Leading companies in the fashion industry, particularly in the luxury segment rely on the invisible safety of Sky Guard III. Where was purposefully invested in sales atmosphere and upscale product presentation, an article surveillance system must be able to fade into the background unobtrusively. But not at the expense of safety.

Food:

The integration in automatic doors was particularly important for the Foodmarket. More than 3000 Sky Guard III systems have since been installed in the food retail sector and provide high security without interfering antennas.

Sky Guard III System field-graphic:



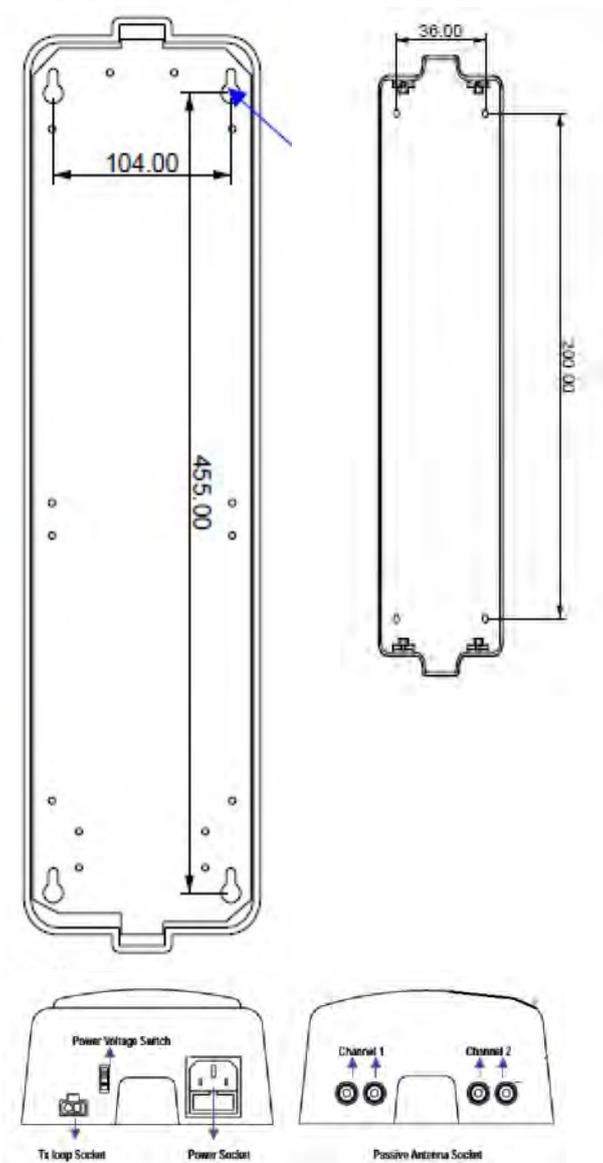
Alarm zone in feet	
Type of tag	B
Label Type MUS-DR	6ft
Hardtag Super Tag	6ft
Micro Shell, Micro Pencil, Lanyard Tag	8.2ft
Shell, Mid Pencil	11.5ft
Super Pencil	16.5ft

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 stand-ards (EN 300330 / EN 301489-3) can cause interference and negatively affect system performance. Changes in the environment and surrounding may require a return trip.

Sky Guard III - Specifications:



Power supply and environment:

System power supply (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. We recommend to have a switchable power line to be able to disable and reboot the system in case of a malfunction.

Power sockets shall be un-twistable to avoid phasing issues. Regular sockets for accessories. All power connections should not be more than a meter away from each device. Plastic conduits (recommended, 1") with inserted pull string, btw. antenna and power supply as indicated in the project outline. Knowing the position of floor heatings or water pipes in areas of installation are important factors to ensure a smooth installation.

System Controller and Turbo antennas must be accessible for service activities (inspection openings, doors, hatches, etc.).

Technical data and dimensions:

System Controller: 535x138x193 mm
 Turbo antennas: 254x58x41 mm
 Transmission cable: 8mm diameter
 Distance to magnetic metal mind. 8-10 cm. Preferably no electrical devices in the alarm and security field.
 Maximum cable length antenna - Controller 3ff

Working frequency range: 58 kHz
 Power supply: 110 V / AC - 24 V / AC
 Power consumption: 80 W
 Ambient temperature: 0 ° - 30 ° C

Product Codes:

WG-SKG58-3 Sky Guard III System



Sky Guard III - Optional Floor Tank



For very large exits, it makes sense to sink two of Sky Guard's Turbo antennas into the ground. This moves the receiver antennas closer to the expected position of a tag or label when a shoplifter walks through the exit, towards raising the receiver closer to the labels.

The tanks are installed in the central region of the exit. Sealed, waterproof and hard wearing they can be set in the concrete. Since the ferrite receiving antennas may need to be reconfigured in a later service an accessibility of the tank must be planned.

Technical data and dimensions:

Floor box: 290x290x60 mm

Weight: 3.1 Kg

Product Code:

WG BAT Sky Guard III Floor Tank (Set for 2 Antennas)