



PERIMETER PROTECTION OF FACILITIES

Signalling Disruption of the Outer Parts of the Guarded Facilities

VÍTKOVICE IT SOLUTIONS Company a.s. offers a variety of perimeter protection of facilities. We adjust the type of perimeter protection to the nature of the facility and the security level. The design of all the detectors can withstand the climatic conditions and the external environment.

What does perimeter protection mean?

Perimeter protection is understood as the outdoor protection, the zero line, of facilities against unauthorized access. Currently, we are able to offer our clients the latest technology to guarantee minimizing the risk of reporting false alarms without reducing the effectiveness of perimeter protection. Within a further increase in security, perimeter protection is combined with other security such as CCTV and electronic access control.

The concerned area is guarded in the following ways:

PERISA SYSTEM

- Perimeter system for protecting buildings against unauthorized entry.
- Operational design for all types of fencing
- Underground installation is also possible/invisible perimeter protection
- Precise location – an unlimited number of virtual zones
- Cable length up to 1 km - 350 detection elements, 3-axis intrusion detection
- Each sensor includes a microprocessor that allows individual adjustment of parameters of individual sensors and the ability of automatic communication with neighbouring sensors on the cable. This ensures high immunity to false alarms generated by climatic conditions.

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INFRARED BARRIERS

Infrared barriers for both indoor and outdoor environments are designed for commercial applications as well as applications with high levels of risk. The barrier is able to work even with the loss of 99% of the beam energy, e.g. due to fog, heavy rain or snowfall. With regard to the specific requirements of the customer, we offer products for small and medium-sized installations as well as intelligent bus systems for guarding sections of up to 1 km.

MICROWAVE BARRIERS

Modern microwave (MW) barriers provide volumetric detection especially along fences and walls, in the open air, at the gates or on the roof. Opening MW detection characteristics is approx. 3.5° horizontally and vertically. Thanks to the use of parabolic antennas, the microwave beam and zones are precisely defined, and the MW barrier can thus be used for long detection zones.

SLOTTED CABLES

For slotted cables it is not necessary to create straight sections, as they are generally located below the surface. The principle operates on the basis of the electromagnetic field between the two cables. If there is a disruption, the system triggers the alarm.

SPECIFICATION OF PRODUCTS A SERVICES

- Creating a comprehensive perimeter protection design (analysis of the existing system and designing a new one)
- Delivery of equipment
- Installation, maintenance, pilot operation
- Programming and commissioning
- Integration with other security systems (ACS, EZP, CCTV)
- Inspections and checks



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