PERIDECT

Effective protection of your perimeter

PROTECTS YOUR PERIMETER MORE EFFECTIVELY

+ Detects an intruder **directly on the boundary** of the protected area

+ Gains **sufficient time** for the security operator for an **effective reaction**

+ Suitable for **various types of fences**

+ Extremely **low maintenance costs**

INDUSTRIES AND APPLICATIONS

+ Industrial and commercial sites

+ Strategic and critical infrastructure

+ **Power plants**

+ **Airports**

+ **Prisons**

+ **Military areas**

+ **Embassies**

+ **National borders**

Easy to install, integrate and manage

PERIDECT+ KEY DIFFERENTIATORS (BENEFITS)

+ Extremely low nuisance alarm rate (typically 1 alarm/1 km/1 month)
Thanks to „differential logic" algorithms and the ability to set the sensitivity of each detector individually

+ Successful detection rate (higher than 95%)
Thanks to the ability to increase the sampling rate of the communication bus

+ Ring or star topology (branching is possible)
Irregular shape of the perimeter can be covered without making the installation unnecessarily expensive

+ PSIM support
Milestone, Geutebrueck, Bosch BMS, Apollo, Avigilon, C4, Axxonsoft

+ Redundancy
Ring connection with one control unit and two-line controllers (master/slave) can be used for system back up in case of detection line interruption or a short circuit

Easy to install, integrate and manage

PERIDECT+ OTHER FEATURES

+ Modularity

Modular architecture allows easy modification and system extension in the future

+ Detection accuracy (typically 3m)

Addressable vibration sensors fitted at each fence panel support very high detection accuracy

+ Integration with 3rd party systems

Open API are available for 3rd party system integration
Possibility to connect third party systems using I/O modules:
- LIP+ directly on the detection line
- IOP+ (RS485) located near to CUP+ (max 1200m)
- IOP+ (LAN) located literally anywhere in the world

+ Antivandal solution

Stainless steel tube for cables increases protection against mechanical damage and EM interference

TECHNICAL FEATURES

+ Up to **500 addresses** per one LCP+ (up to 1,5 km of perimeter)

+ **Separators** securing the operation of the detection line (20 per LCP+)

   • Surge protection
   • Communication bus data protection

+ **Individual sensitivity set up** of each detector (sensor)

+ **LAN, RS485** connections directly build in the CUP+ control unit

+ **No moving parts** – higher reliability (MTBF ~ 10^6h)

+ **IP cameras** support (http(s), ONVIF S, open API)

+ **Analogue cameras** support (Pelco P/D)

+ **Buried and fence detectors** at one detection line

PERIDECT+ VERSIONS

+ PERIDECT+ Standard

> Supplied with detectors connected from manufacturer production
> UV resistant two-wire cable for outdoor use

+ PERIDECT+ Antivandal

> Cable protected by stainless steel tube
> Protection against mechanical damage and electromagnetic interference

+ PERIDECT+ Hidden

> Invisible detection system
> Detectors installed inside posts

+ PERIDECT+ Underground

> Invisible detection system
> Detectors installed under the ground

Easy to install, integrate and manage
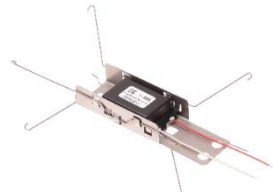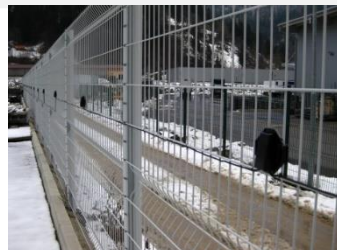
PERIDECT+ IN HAZARDOUS ATMOSPHERES

+ II 3GD Ex e IIA T6

+ **Group II** (explosive gases for locations other than mines)

+ **Sub-group IIA** (explosive atmospheres containing propane or gases of an equivalent hazard)

+ **Category 3 GD**

    + **Zone 2 for gas** (A place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only)
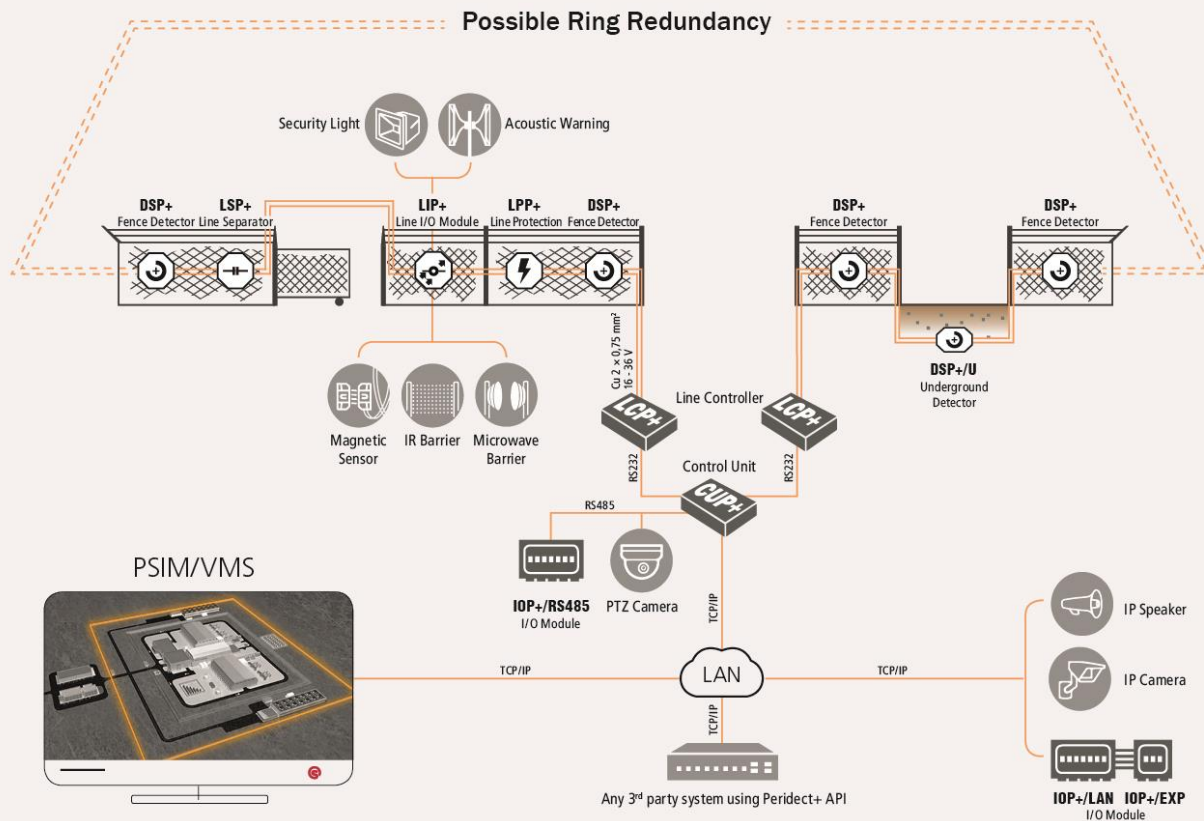
    + **Zone 22 for dust** (A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only)

+ **Protection type Ex e** (non-sparking devices)

+ **Temperature class T6** (maximum temperature of 85°C)

Typical architecture of PERIDECT+

Possible Ring Redundancy

Security Light — Acoustic Warning

DSP+ Fence Detector — **LSP+** Line Separator — **LIP+** Line I/O Module — **LPP+** Line Protection — **DSP+** Fence Detector — **DSP+** Fence Detector — **DSP+** Fence Detector

Magnetic Sensor — IR Barrier — Microwave Barrier

Cu 2 × 0,75 mm² 16 - 36 V

DSP+/U Underground Detector

Line Controller

LCP+ — **LCP+**

RS232 — RS232

Control Unit

CUP+

RS485

PSIM/VMS

IOP+/RS485 I/O Module — PTZ Camera

TCP/IP

TCP/IP — LAN — TCP/IP

TCP/IP

Any 3rd party system using Peridect+ API

IP Speaker

IP Camera

IOP+/LAN IOP+/EXP I/O Module

Easy to install, integrate and manage
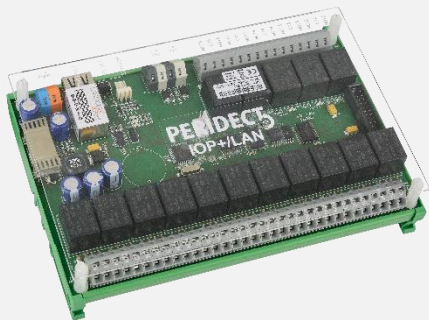
PERIDECT

SIEZA

Control Unit PERIDECT+ (CUP+)
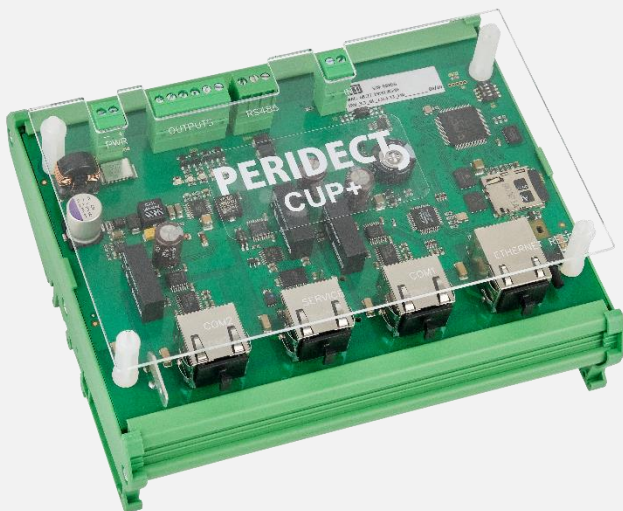
> Modular Industrial Computer

> LAN - TCP/IP for connection to LAN/WAN

> 4x directly controlled logical outputs

> 1x tamper

> 2x inputs for line modules (LCP+, PVJ)

> RS485 communication bus integrated

Easy to install, integrate and manage

Line Controller PERIDECT+ (LCP+)

> Line module for communication with detection line

> Galvanic isolation of detection line

> Up to 500 detectors DSP+ or other modules

> Immune 2-wire symetric connection

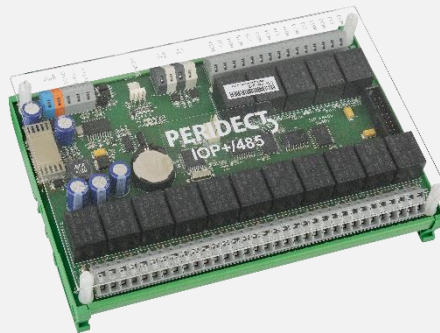Easy to install, integrate and manage

PERIDECT+

SIEZA

I/O LAN Module PERIDECT+ (IOP+/LAN)

> 16 relay outputs

> Switching contacts

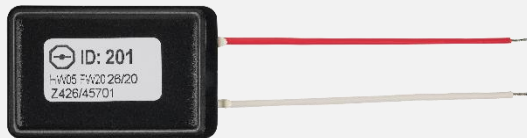> 2 double balanced inputs

I/O RS485 Module PERIDECT+ (IOP+/RS485)

> 16 relay outputs

> Switching contacts

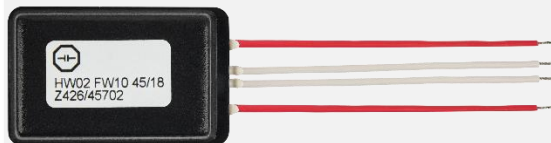> 2 double balanced inputs

I/O Expansion Module PERIDECT+ (IOP+/EXP)

> Expansion module for IOP+/LAN and
  IOP+/RS485

> Switching contacts

> Additional 16 relay outputs

Easy to install, integrate and manage

PERIDECT+

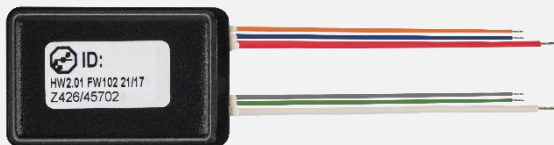**SIEZA**

Detection Sensor PERIDECT+ (DSP+)

ID: 201
HW05 FW2028/20
Z426/45701

> Increased sensitivity

> Remote setting of sensitivity

> Software sensitivity set up

Line Separator PERIDECT+ (LSP+)

HW02 FW10 45/18
Z426/45702

> Limits short-circuit on the detection line

> Maximum 20 separators per one line

> Built-in overvoltage protection

Plastic cover for all detection line components

> UV resistant polycarbonate cover

> Protection against unathorized manipulation

Line Input PERIDECT+ (LIP+)

ID:
HW2.01 FW102 21/17
Z426/45702

> 2 double balanced inputs + 1 output

> Fitting on any place on the line

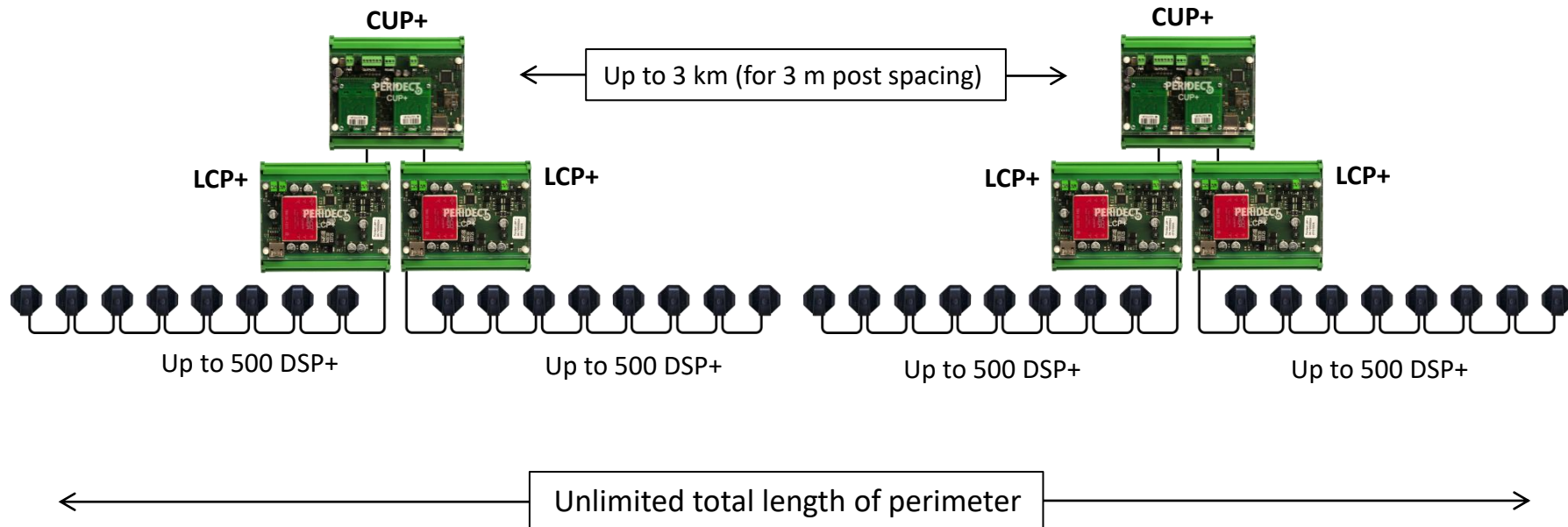> Max. 64 per one CUP+ (128 inputs)

Line Protection PERIDECT+ (LPP+)

HW02 30/19
Z415/0608

> Overvoltage electronic protector

Easy to install, integrate and manage

CUP+

CUP+

Up to 3 km (for 3 m post spacing)

LCP+

LCP+

LCP+

LCP+

Up to 500 DSP+

Up to 500 DSP+

Up to 500 DSP+

Up to 500 DSP+

Unlimited total length of perimeter

Professional perimeter intrusion detection system

LCP+ MASTER

LCP+ SLAVE

CUP+

Up to 500 DSP+

Up to 1,5 km

- Separator

Advanced redundancy example - long perimeter

Eliminate number of false alarms and protect your perimeter even more effectively!
Sieza s.r.o.

sales@sieza.com