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PERIDECT+

Perimeter Detection System

Perimeter detection system **PERIDECT+** is especially designed to protect the security of an area or objects against an intrusion of unauthorized persons. The system can be installed on all common types of fencing (e.g. traditional mesh, welded wire mesh in rolls, welded fence panels, top fence extensions) and non-standard fencing (fence of metal plates, welded decorative fences). In addition to the Standard version a more resistant version is also available (the Antivandal version). It can be also installed inside the posts of the fence structures (Hidden version) and below the surface e.g. under the walk detection plates.
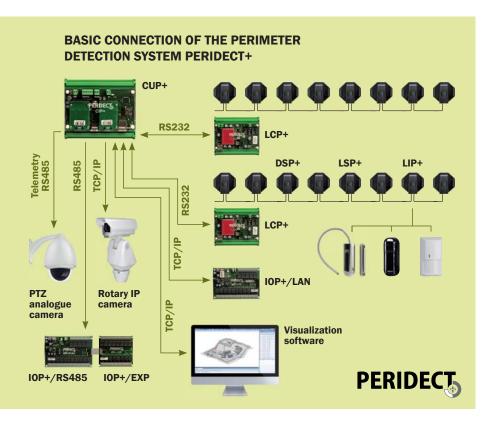
Technologies for your safety

The **PERIDECT+** detects vibrations caused by the mechanical impulses arising from the attempt to break the perimeter (climbing, cutting, crawling under the fence).

The **PERIDECT+** uses „Differential Logic", which radically reduces false alarms caused by weather (rain, wind, hail, lightning) and allows the operation of the system under these conditions without the necessity to change the system sensitivity manually or automatically.

PERIDECT+ programmable outputs can be connected into standard security control panels similarly as a standard sensor. In such a case the groups of the detectors are usually combined into relevant outputs and the system detects alarms from individual arbitrarily defined zones. Another possibility is the connection into the visualisation and integration superstructure, which enables to display the exact place of the intrusion and control the communication with other systems.

PERIDECT+ SYSTEM CHARACTERISTICS

+ **Modular system** – modules, which are primarily designed for the placement on DIN rail, can be easily set up in the required set.
+ **Galvanic line separation** – each detection line is galvanically separated from the evaluation unit, which provides the increased resistance to interference.
+ **Symmetrical connection of detectors** – a two wire cable is used for the connection of the individual detectors in the detection line. The symmetrical connection simplifies the system installation, it is not necessary to follow the wires polarity, and it increases the system resistance to interference.
+ **Connecting up to 500 detectors per one line controller** – this feature allows securing easily large perimeter up to 1 500 m (for 3 m panels). It is possible to use two line controllers in one place and then up to 3 000 m can be safeguarded or this length can be between two switchboards in the case of the large perimeter.
+ **Safeguarded detection line** – at this connection the line controller is connected to the detection line on each side. One controller (Master) communicates with the detection line in a standard way and the second one (Slave) as a backup monitors the detection line operation. In the case of the communication interruption between the Master controller and some of the detectors (e.g. when cutting the line) the Slave controller takes over the control of the detectors from the other side of the line. The "Safeguarded detection line" can be used in the smaller installations in the ring connection with one control unit and two line controllers and for the large installations the continuous safeguarding of the detection line can be used, when the Slave line controller takes over the control in the case of interruption or a short circuit.
+ **Separators** – secure the detection line operation even in the case of a short circuit on the line. Separators are always installed after a certain number of the detectors. In the case of a short circuit on the line between the separators, this section gets out of operation, but the function of the rest of the detection line remains unaffected. The part of the line powered by the Master line controller works in the same way up to the position of the separator in front of the short circuit and the Slave line controller takes over the activity and communication of the detection line from the next separator after the short circuit.

BASIC CONNECTION OF THE PERIMETER DETECTION SYSTEM PERIDECT+

CUP+

RS232

LCP+

DSP+   LSP+   LIP+

LCP+

IOP+/LAN

Telemetry RS485

RS485

TCP/IP

RS232

TCP/IP

TCP/IP

PTZ analogue camera

Rotary IP camera

IOP+/RS485   IOP+/EXP

Visualization software

PERIDECT+

THE BASIC PERIDECT+ SYSTEM MODULES

EVALUATION UNIT	
PERIDECT-CUP+	Control Unit PERIDECT+
PERIDECT-LCP+	Line Controller PERIDECT+

DETECTION LINE	
PERIDECT-DSP+	Detection Sensor PERIDECT+
PERIDECT-LIP+	Line Input PERIDECT+
PERIDECT-LPP+	Line Protection PERIDECT+
PERIDECT-LSP+	Line Separator PERIDECT+

OUTPUT MODULE	
PERIDECT-IOP+/LAN	I/O LAN Module PERIDECT+
PERIDECT-IOP+/RS485	I/O RS485 Module PERIDECT+
PERIDECT-IOP+/EXP	I/O Expansion Module for PERIDECT+

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ISO 9001   ISO 14001

Integrated Management System