Technical details

- ✔ Stainless steel metalwork
- ✔ Stainless steel PERISTOP® B-wire
- ✔ Insulation by TEFZEL
- ✔ 4kV dielectric strength : factory output
- ✔ Net Junctions by BB splice connector
- ✔ Junction boxes (for maintenance)
- ✔ End of line boxes for testing

ZUC40 Electronic

The principle of the detection is based on the analysis of the electrical characteristics of an isolated current loop which is formed by the closing sensor PERISTOP®

- ✔ Analysis of the current loop impedance
- ✔ Analysis of the short-circuit
- ✔ Analysis of the variation of leakage current

The ZUC40 electronic board is could be mount in a standalone unit (2 or 4 zones), it can also be multi-rack mounted (up to 10 zones per rack).

Warranty / Lifetime

Net detector PERISTOP® is manufactured with PERISTOP® B-wire. It is a 304L stainless steel which allows a 10 years corrosion warranty in normal industrial environment.
For use in highly corrosive environments (sea, severe chemical environment ...), the PERISTOP® B-wire can also be manufactured in stainless steel 316L.
OREP has realised more than 200 km of working PERISTOP® all over the world over than 30 years.

EX-PROOF Environment

All OREP's detection systems use the same analysis technology. The electronics specially developed for security and outdoor applications has been designed to allow implementation of OREP perimeter detection equipment in EX-PROOF areas.

Applications - References

High Voltage Power Stations - Nuclear Power Plants - Gas station
Research Laboratories - LNG Terminals - Petrochemical Site
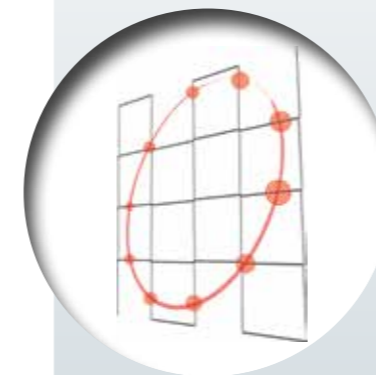Barracks - Detention Centre - Prisons - Site Oil Traitement - Refinery

Création graphique : www.celine-martin.com

Quality
Experience
Innovation

PERISTOP®

Stainless steel net with cut through detection system
PERISTOP® fits on all types of fences, walls or buildings
and all environments (salt, chemical, ex-proof areas...)
Long life time and high reliability
Ideal for high security or industrial sites

- Reliability: Very low false alarm rate
- Performance: Very high level of detection
- Great durability: Metal parts in stainless steel
- Adaptation to any type of configuration
- Detection cutting / climbing / attempted shunt
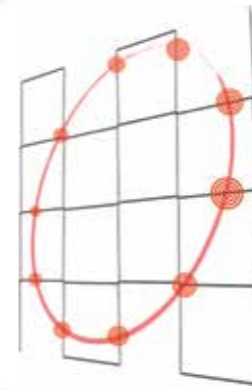
OREP

Description

PERISTOP® is a 20 cm by 20 cm stainless steel mesh. The mesh is made to be a detector sensor net. All meshes are made with a 3mm stainless steel detection wire (OREP B-wire).

All detection wires are mounted and connected to form a current loop which is an alarm area. The mesh size of the detector is a net vertical resistant barrier which can't be crossed without deterioration. The mesh sensor **PERISTOP®** is locked on end braces and posts using profiles and **PERISTOP®** detection wire.

The **PERISTOP®** system uses detection bent arm systems on the upper part of the fence in order to detect climbing. The detection bent arms are articulated in both directions, inside and outside. A pressing force increased or trigger an alarm. The filling can be done by sill detector grid (mesh) wire, barbed wire or inert concertina or activ concertina as PERICOIL.

The **PERISTOP®** system is managed by an Electronic Control Unit (Module PCB ZUC40 - insensitive to electromagnetic interference) that continuously monitors the status of loops (Monitoring of electrical continuity, impedance, leakage current and short circuits). The breaking of a wire or a grounded causes an alarm.
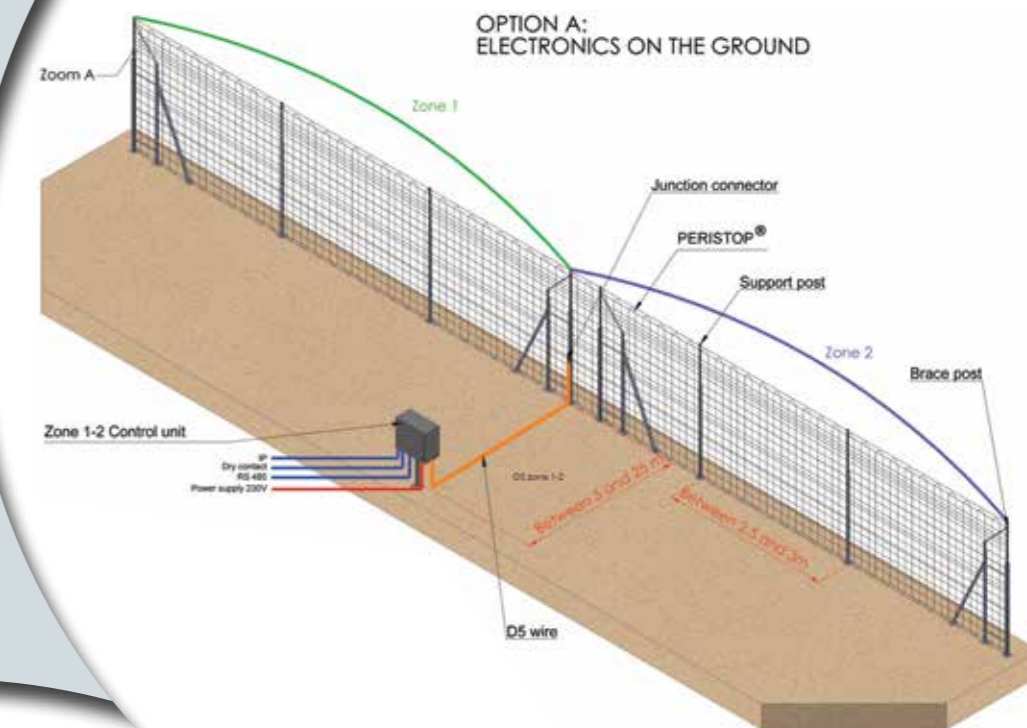
PERISTOP®
Stainless steel net
Detection system (Sensor net)

Configuration

The PERISTOP® can be installed in two types of configuration:

- **A local architecture** with field electronic cabinet, consisting on ventilated thermostatically boxes witch control 2 or 4 zones,
- **A centralized architecture** with a detection bay equipped by ZUC40 electronic board racks and PERIVISION software in option.

OPTION A:
ELECTRONICS ON THE GROUND

OPTION B:
ELECTRONICS CENTRALIZED

Specifications

- Reliable detection
- Very low rate of false alarms

Alarm Information

- Cutting detection system
- Climbing attempts
- Shunt and sabotage

Features and Benefits

- Long life time (20-25 years) and extreme durability (Stainless steel)
- High detection rate - Cutting / Climbing detection
- Very low rate of false alarms
- Alarm before penetration
- Insensitivity to weather conditions
- Fit easily and can be installed on an existing support
- Possibility of equipping the access (gates, doors ...) PERIGATE with same system
- Save cost - Low maintenance, easy and fast
- Many References
  Applications and references in Sahara (20 km)

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