IRONCLAD/MICALERT
FENCE ALARM SYSTEM

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Perimeter Security System Made Easy, Reliable and Affordable

The easiest and most reliable fence sensor cable you ever installed!

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Sheriff's Department

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Corporation

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AEP AMERICAN ELECTRIC POWER

PEC
Pickwick Electric Cooperative

VISTA SOLAR

ANIXTER

Dominion

Southern Company Gas

U.S. DEPARTMENT OF ENERGY

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IRONCLAD/MICALERT – FENCE ALARM SYSTEM

The Ideal Solution Against Intruders

Alarm panel

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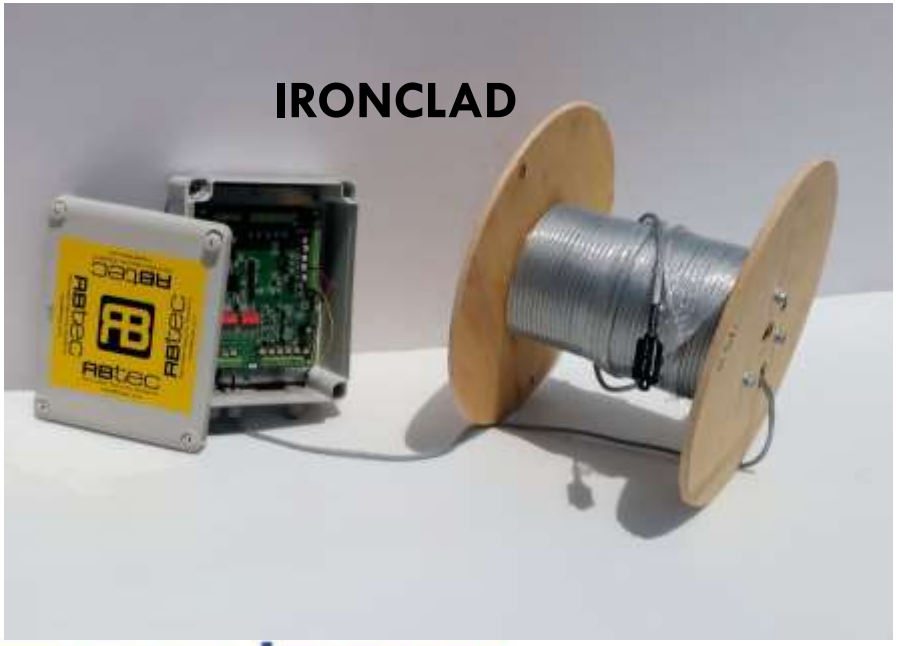
SYSTEM DESCRIPTION

The Ironclad/Micalert is a sensor cable that is attached to the fence to detect any cutting, climbing, lifting or jumping off the fence.

Each processor can monitor up to 2 zones with 2 separate relay output per zone, the zones are sold pre-cut in 250'/500'/1000' (75m/152m/305m).

The system designed to connect to any alarm/camera system and is able to retrofit to old or new burglar alarms/DVR/NVR/SCADA systems.



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ADVANTAGES AND FEATURES

The easiest and most reliable fence sensor cable you ever installed!

Potential Customers

- Commercial and Industrial areas – RV/Boat Storage, Self-storage, Grow ops, Scrap yards, Factories, Truck/Bus yards.
- Water, Electrical and Utility substations, valve station, pump station.
- Solar farms and Photovoltaic power plants.
- Radio, Cellular, Communication antennas.
- Oil and gas facilities of all kinds.
- High end residential.
- Any fenced location.

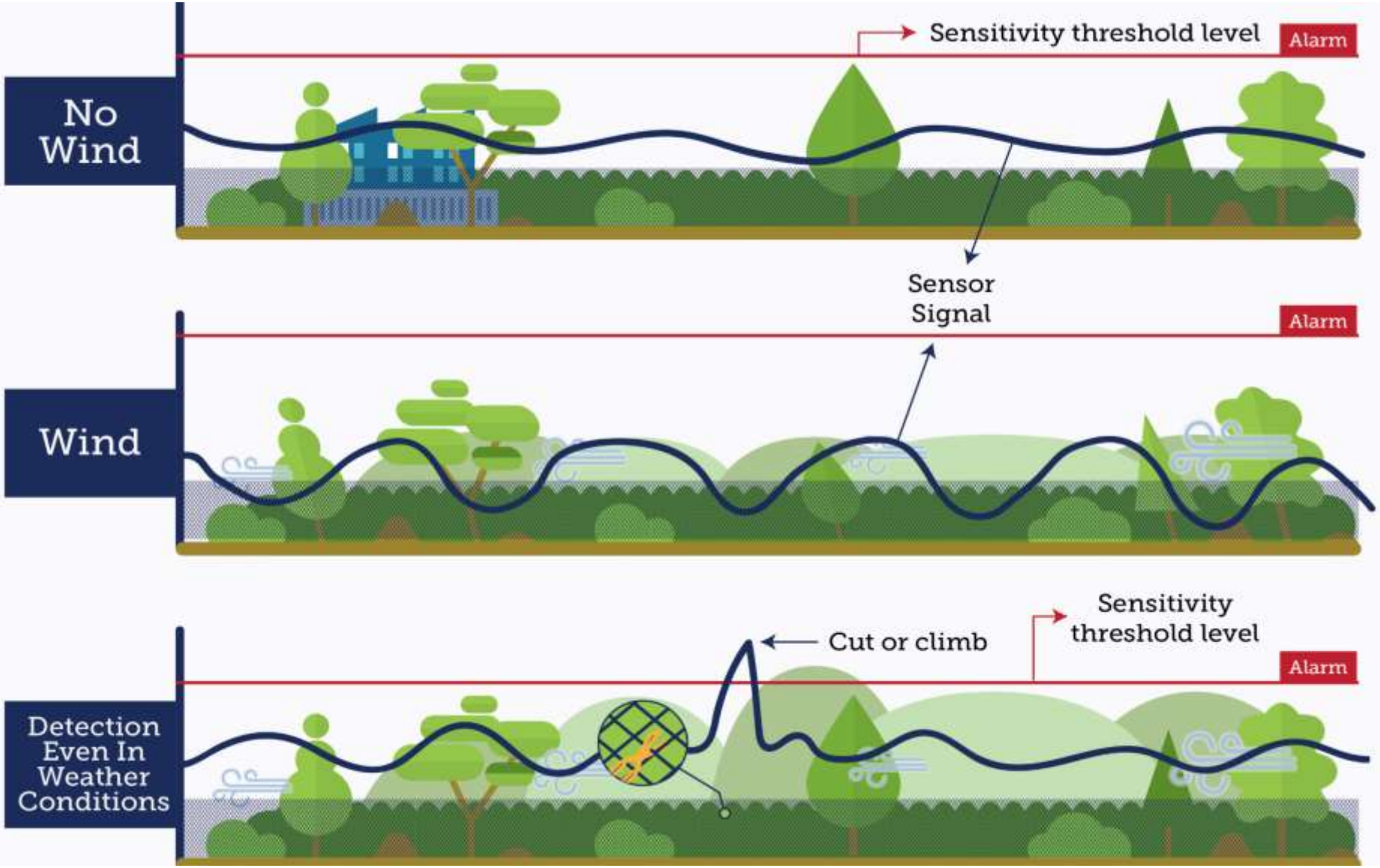
System advantage

- The IRONCLAD/Micalert system complements any alarm system, as well as integrates with CCTV camera system.
- The IRONCLAD/Micalert sensor is unique in its ability to protect the areas surrounding the site where there is high or thick vegetation that does not allow installation of line of sight detector (Beams, PIR).
- The sensor cable is armored and protected from small animals bite or tear due to continuous friction.
- Ideal for installation on chain link fences or concertina coils.

Features

- Plug and Deploy - Ready for installation affordable kits.
- No training or special tools needed, comes with installation manual
- Standalone – no software or computer needed
- No calibration - The system self-calibrates
- No Conduit needed – simple and fast to install and maintain.
- 22 Levels of sensitivity per zone easily adjusted with dip switches.
- 3 Layers of False Alarm Filtration - Extreme low false alarm rate especially with weather station unit.
- Protects fences up 10ft with a single run of cable – does not need 2 runs of cable like other systems.
- Maintenance free - 2 years warranty on the sensor cable.
- Optional weather station, stainless steel twist ties

DETECTION BY FREQUENCY OF VIBRATION



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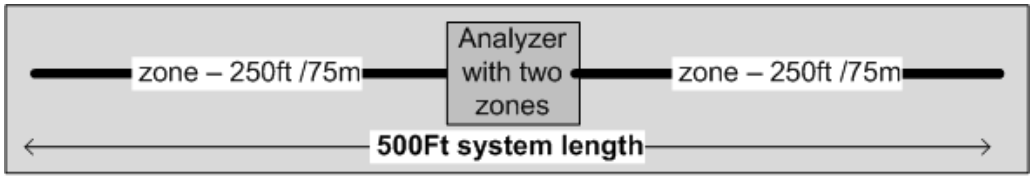
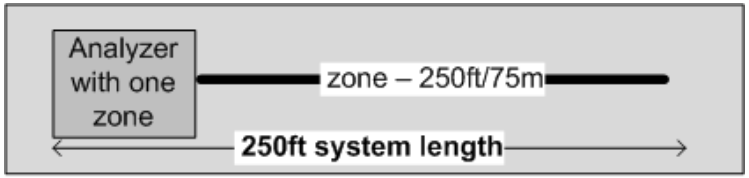
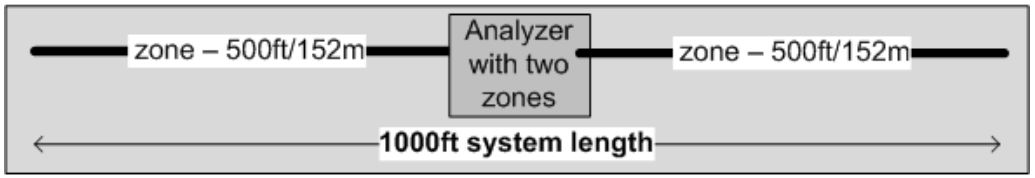
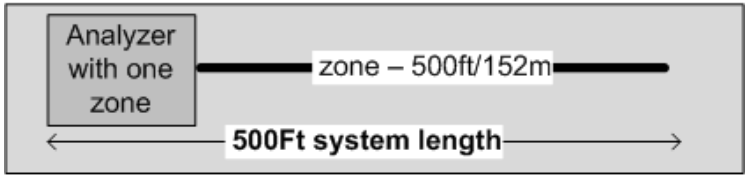
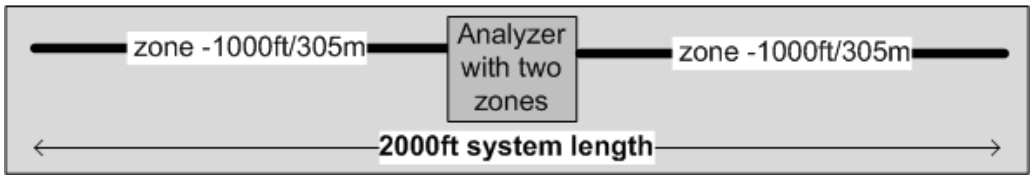
STANDARD KITS

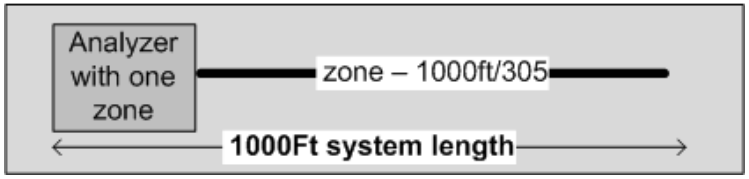






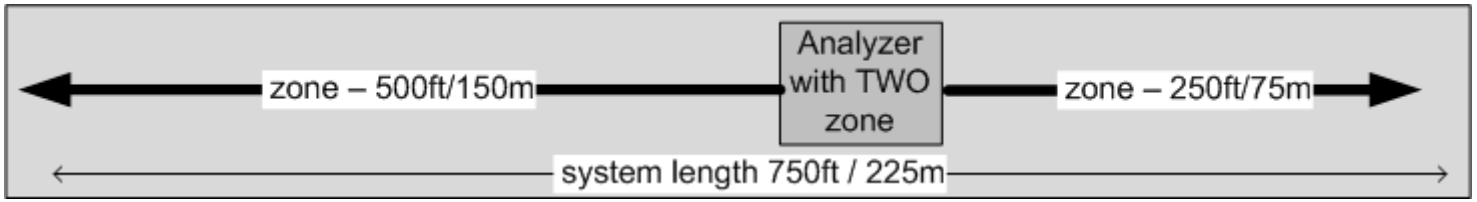


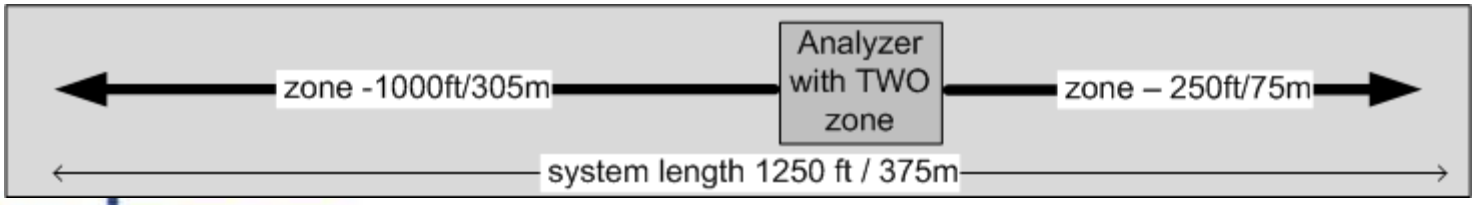




YOU CAN MIX & MATCH (ONE ZONE KIT + ONE SPOOL)

EXAMPLES





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INSTALLATION

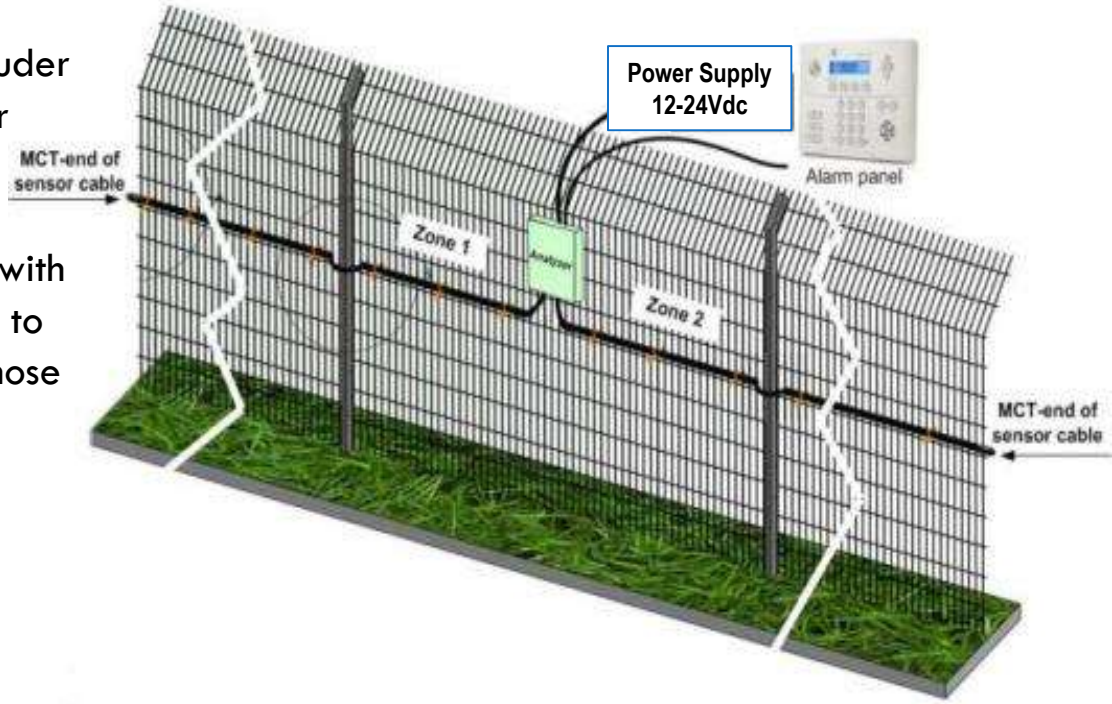
IRONCLAD/MICALERT Protects the Whole Fence with Single Cable

The sensor cable protects the full height of the fence up to 10ft/3m.

Protects the whole height of the fence

Single sensor cable attached to the fence will protect the whole height of the fence, The intruder does not need to cut or tamper with the sensor cable in order to be detected.

With the IRONCLAD on chain-link fences and with the Micalert on steel fences the system is able to detect with a single run with end of line unit those whole fence up to 10ft/3m height.



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SYSTEM LAYOUT

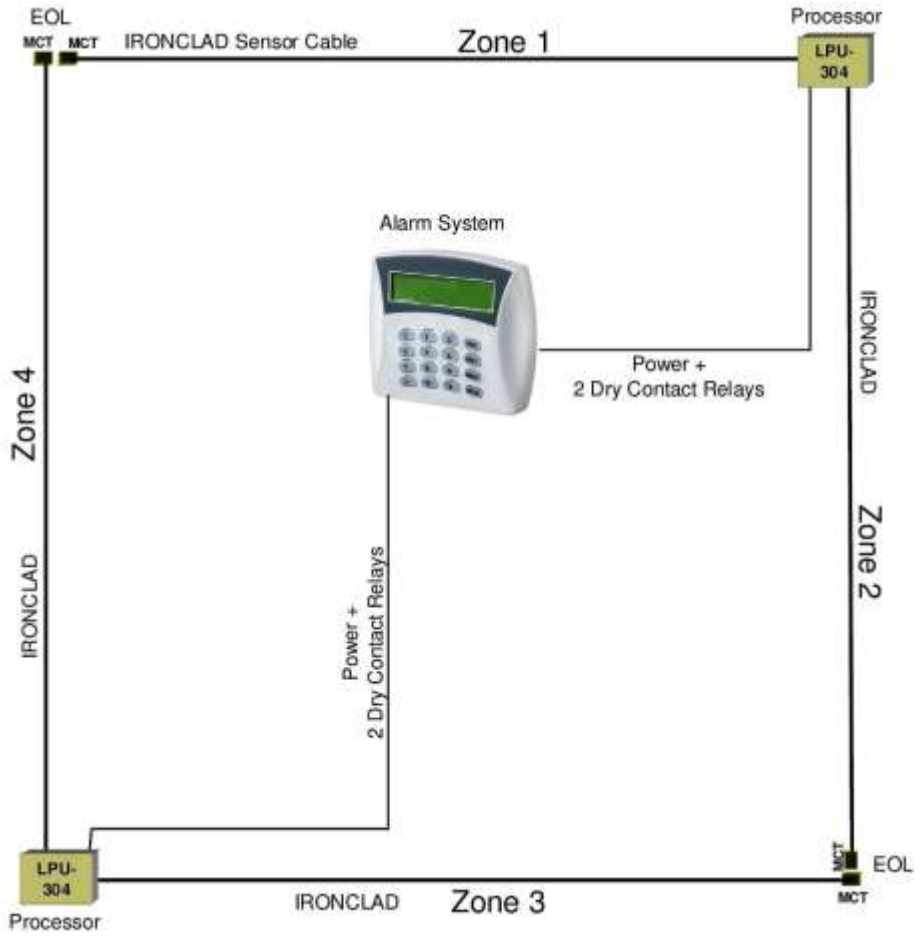
IRONCLAD/MICALERT Multiple Standalone Systems

When using more than one (1) kit:

When using more than one kit each LPU processor needs it's own home run cable.
The 6 wire cable (recommended 18 gauge) Will carry the 12-24vdc to the LPU and carry the 2 relay outputs back to the alarm system.

The **lead cable can be attached to the fence with the sensor cable,** this layout drawing is just an example of how the system should be wired.

Wireless can be used to transmit the relay outputs if power is supplied locally to the processor



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EASY AND SIMPLE TO INSTALL

1 - First place the End of Line unit at the end of the zone.

2 - Attach the cable to the fence with stainless steel cable-ties

3 - Hard wire connect the sensor cable to the processor

4 - Connect to relay outputs of the analyzer to the alarm panel.

THE IRONCLAD SENSOR WIRE

MICALERT SENSOR WIRE

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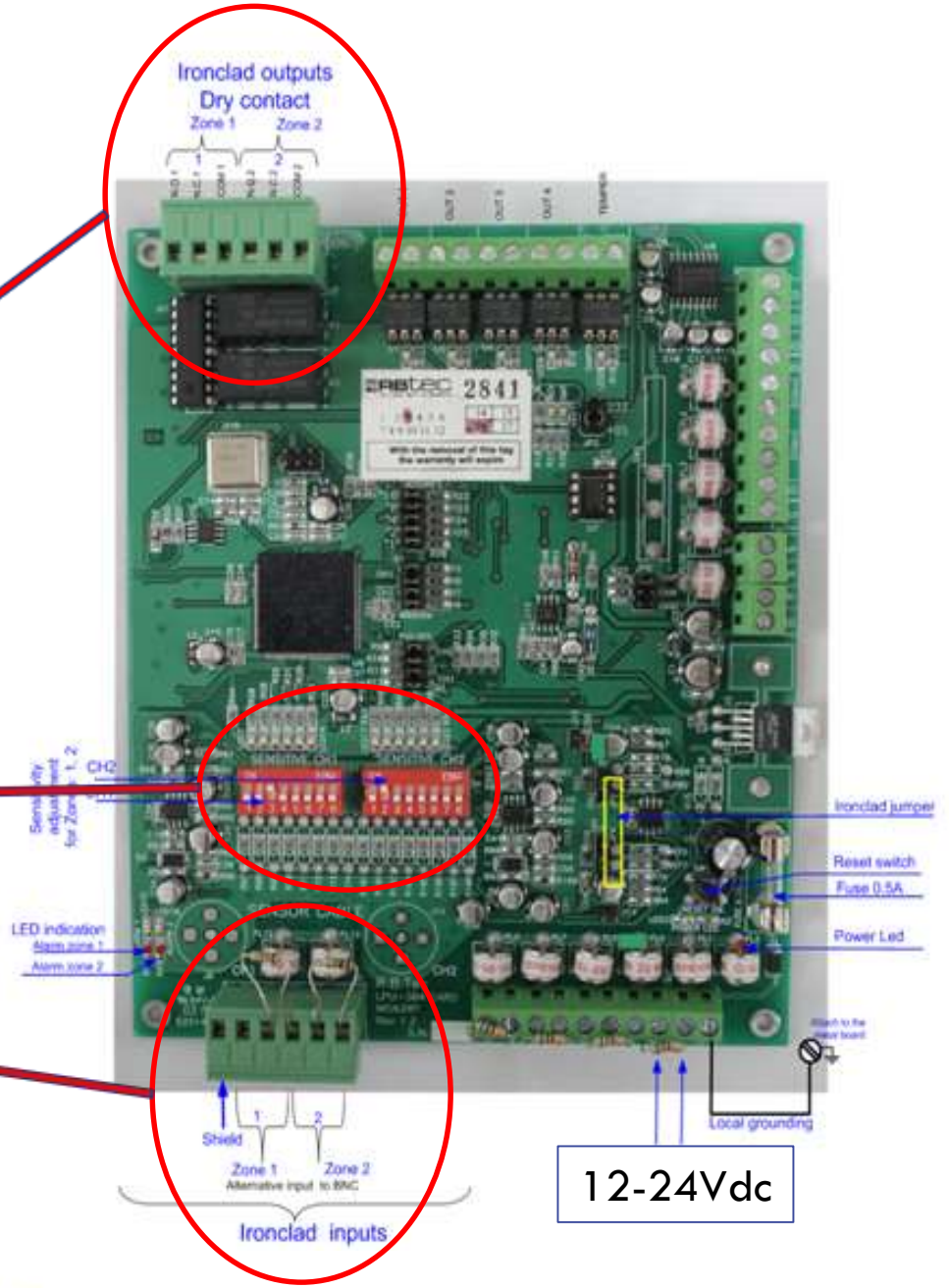
LPU-304 FOR ONE OR TWO ZONES

IRONCLAD Relay Outputs to Alarm System

Easily Adjusted Sensitivity

IRONCLAD Sensor Cable Inputs



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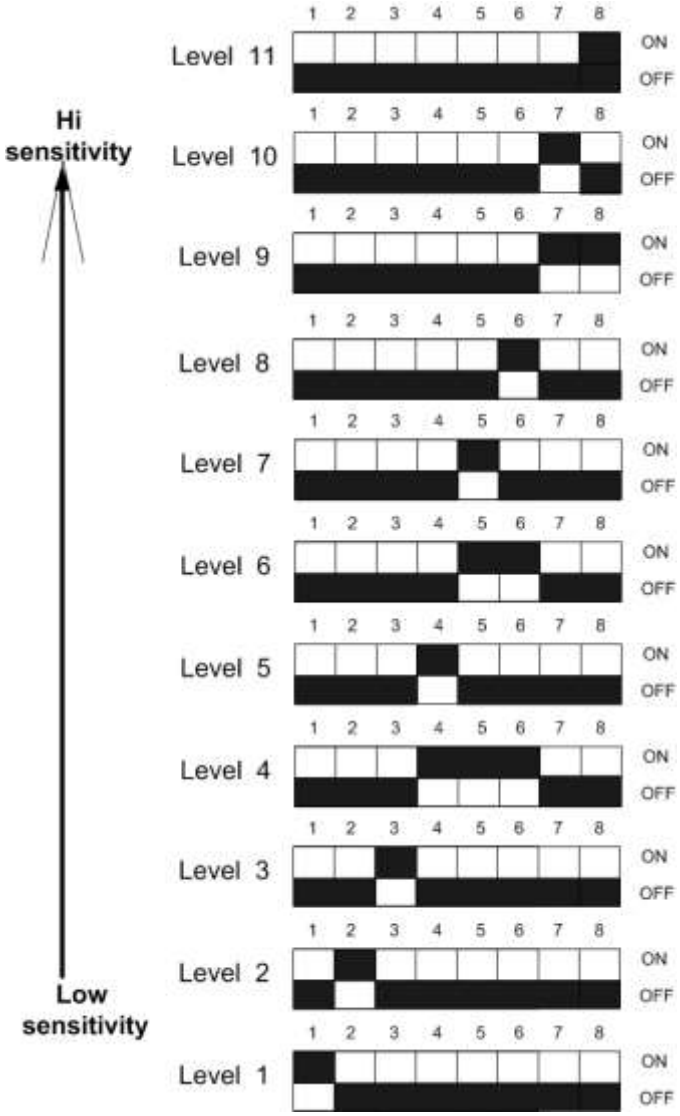
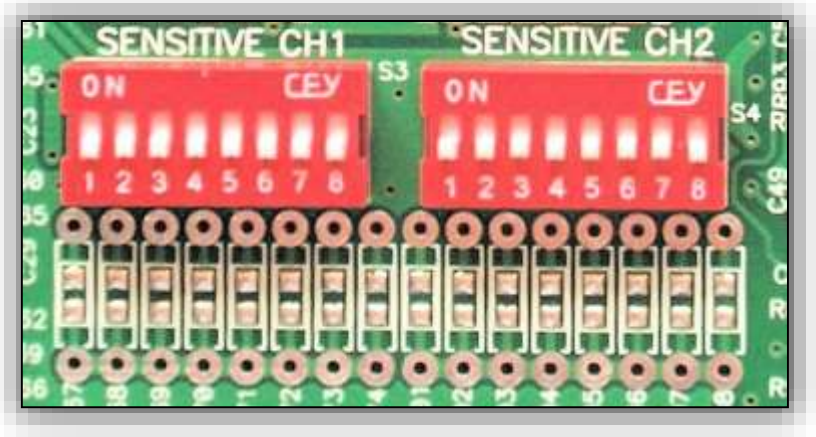
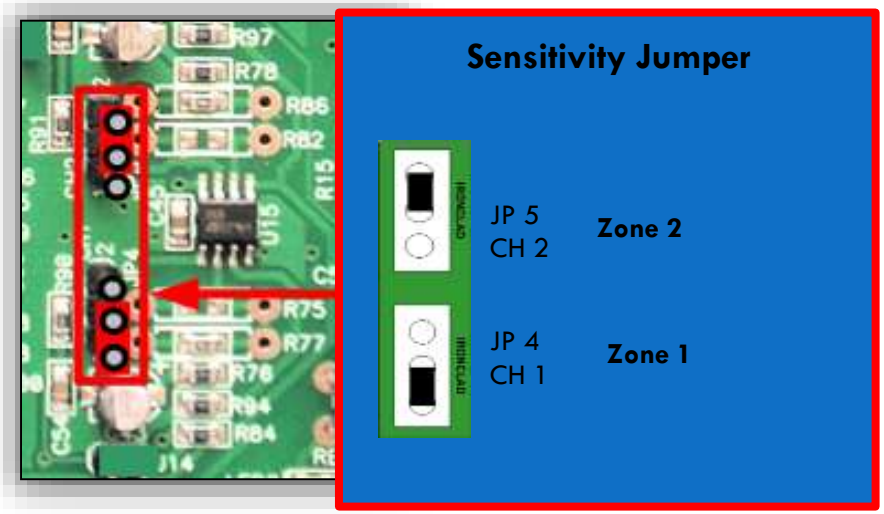
LPU-304 Sensitivity Level Adjustment



Zone 1 Zone 2





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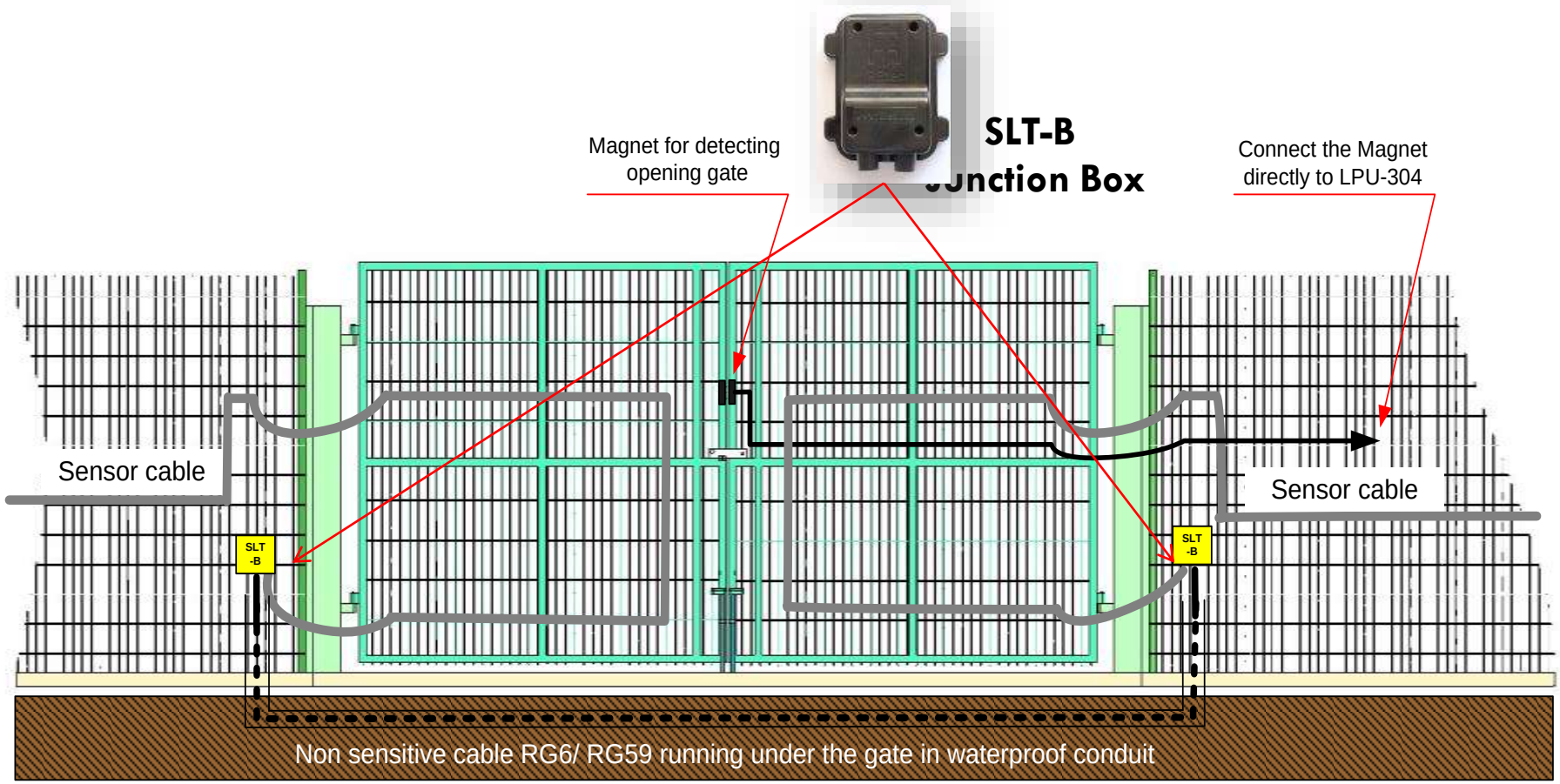
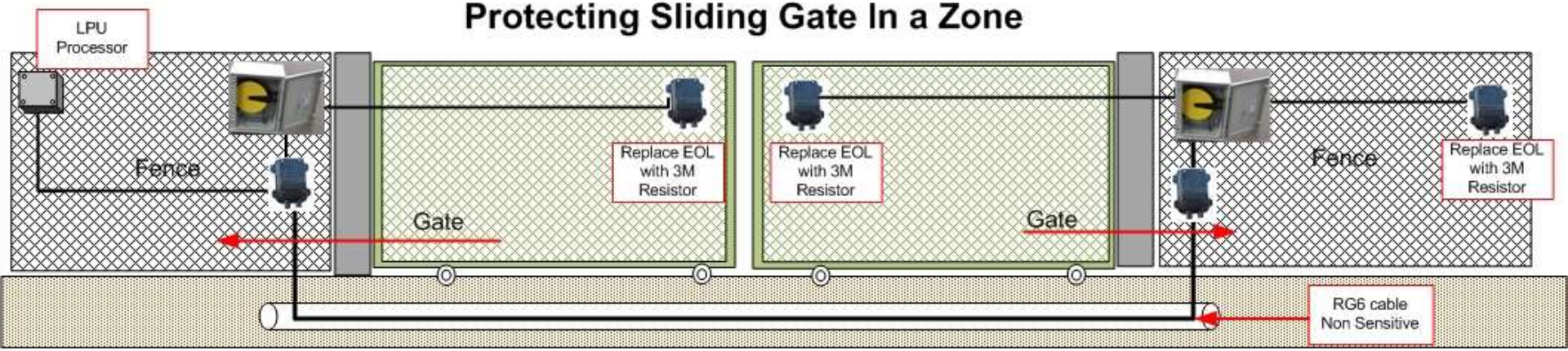
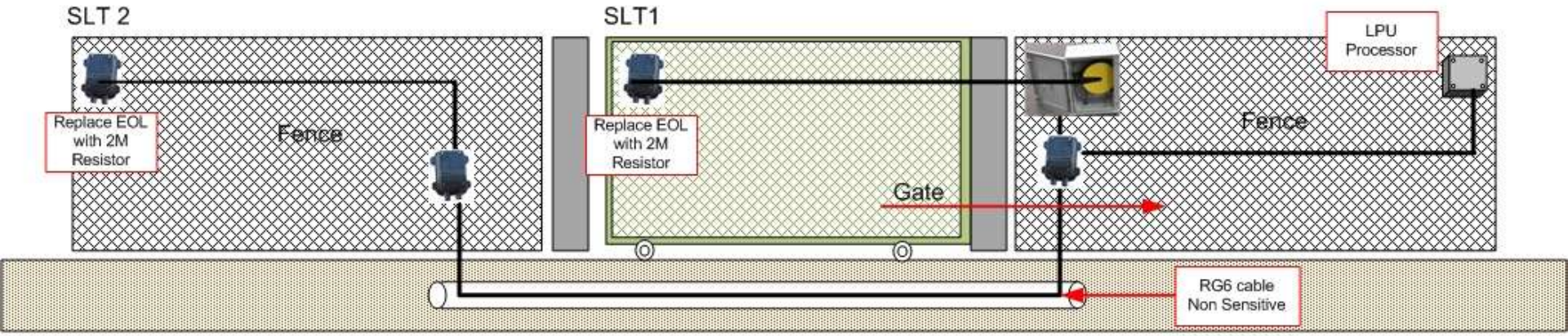
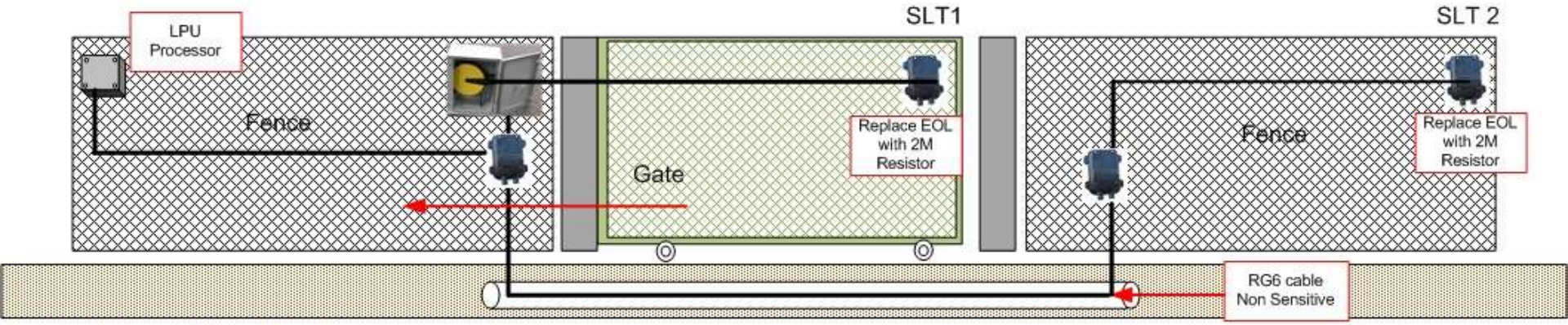
Gate Protection as Part of The Detecting Zone



Protecting Sliding Gate In a Zone







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INSTALLATIONS ON DIFFERENT FENCES

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DIFFERENT APPLICATIONS

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DIFFERENT CLIMATES

WEATHER STATION

The meteorological unit screens extreme weather changes and minimizes false alarms

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Email: Info@rbtec.com
www.rbtec.com

THANK YOU!

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