



PALISADE FENCE SYSTEM

SYSTEM DESCRIPTION

The system comprises of two main parts, the sensor cable and the analyser. The sensor cable is attached to the fence and connects into the analyser. The characteristics of the sensor cable enable it to detect vibrations occurring at any point along its full length. The sensor cable has equal sensitivity along its whole length.

In the event of an intruder attempting to force entry, by either cutting or climbing the fence, the vibrations caused by this intrusion are detected by the sensor cable and sent to the analyser.

On receipt of this signal the analyser determines a level of activity. If the level of activity is over a certain threshold the analyser will switch into alarm mode sending alarm and audio signals to the control. The Flexiguard System is suitable for both manned and unmanned sites.

Two systems are available; one uses a single run of sensor cable and the other a double run. The decision to use a single or a double run is made mainly on the basis of the level of risk involved and whether the intrusion is likely to be either climbing/cutting or both.



AEC - AUTOMATIC ENVIRONMENTAL CONTROL

Built into the Flexiguard System Analyser is the AEC circuit, which automatically adjusts the detection state to compensate for varying climatic conditions. This circuitry is unique to APS and is the only effective way of providing maximum protection to a moving fence, without compromising the sensitivity of the system. The AEC cuts down on the rate of false alarms/nuisance calls.

FIXING THE SENSOR CABLE

The sensor cable is fixed to either the top angle iron or the top and bottom angle iron depending on which system is being used. The sensor cable is inserted into a plastic extrusion, which is then pushed on to the angle iron. This holds the sensor cable in direct contact with the fence. The extrusion is held in place with cable ties every 0.5m.

SITE SIZE & ZONING

The site should be split into zones which means that the site will be more manageable from a control standpoint.

CONTROL EQUIPMENT/CABLE

A minimum of 6-core 0.5mm size control cable will require to be run from each analyser to the control.

FENCE CONDITION/UNDERGROWTH

The fence should be in good condition and should not move excessively when flexed. Any undergrowth should be cut back from the surrounding area of the fence so that it does not affect the efficiency of the system. Each section should be welded together to stop movement.

FLEXIGUARD