



**FLEXIGUARD**

## WAREHOUSE SYSTEM

### SYSTEM DESCRIPTION

The system has been designed to protect the roofs and walls of warehouses. The system operates by means of a sensor cable, which can be attached to walls, roofs and internal cages. The characteristics of the cable enable it to detect vibrations occurring at any point along its full length. The cable has equal sensitivity along its whole length.



In the event of an intruder attempting to force entry through the roof or walls, the vibrations caused by this activity are detected by the sensor cable and sent back 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 signals to the control.

The Flexiguard system is suitable for both manned and unmanned sites. Different materials such as brick, metal cladding etc have different characteristics and give different signals when attacked. Separate zones should be used for each different material.

### FIXING THE SENSOR CABLE

#### BRICK OR BREEZE BLOCK

The sensor cable should be fixed using cable clips or Flexitube at a height of 1.5m above ground. Provided the wall is solid without any cracks, the cable will give protection up to a height of 3m.

#### METAL CLADDING

The sensor cable should be attached to every 'J' bolt or 'TEK' screw on alternate purlins. Insulated cladding should have the sensor cable fixed in Flexitube midway between purlins. This will give protection between purlins up to a maximum of 3m.



#### SKYLIGHTS

Skylights should be completely covered with WS-530 skylight mesh between purlins. The sensor cable is attached to the end of the skylight mesh with cable ties.

#### CONTROL CABLE

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

### WAREHOUSE CONDITION

To ensure that the system will work reliably the building must be in a reasonable condition and free from any unwanted vibrations.