

HEARTBEAT DETECTOR - HUMAN PRESENCE DETECTION SYSTEM

Illegal immigration is a major problem for today's authorities; the most common means of entry is by international freight trucks. The checking of trucks at border points is limited by both manpower restrictions and the problem of how to effectively search fully laden vehicles without disruption to traffic flow, through the port of entry.

The ISL HEARTBEAT DETECTOR system is a very cost effective method of searching for people hidden in any vehicle, even if fully laden.

By use of special sensors and a specific hardware/software combination, the Heartbeat System will detect and analyse the human heartbeat transmitted via the vehicle chassis and super-structure. This data is then systematically evaluated through advanced signal processing algorithms to give a visual indication of search results on the display screen, as depicted below. The Heartbeat detection system is so effective that it can search and detect single or multiple heartbeats, hidden inside a fully laden vehicle, within 2 minutes.

The system consists of up to 4 seismic sensors linked to a user-friendly, Touch Screen PC display monitor, with simple icons that will lead the operator through the search process.

Training on the system can be carried out within an hour and maintenance downtime is minimal

THE VEHICLE SEARCH PROCEDURE ON ARRIVAL IS:

1. Engine off, any compressors off, driver leaves vehicle.
2. The sensors are placed on the vehicle.
3. The appropriate vehicle type icon is pressed and the system carries out the search process, indicating PASS or SEARCH.

APPLICATIONS

- Inland Borders
- Sea-Crossing Points of Entry
- Prisons
- Low/Med/High/Max Security and Correction Facilities
- Nuclear Facilities
- Trains, Aeroplanes and Shipping
- Vertical Car Parks (for liability issues)

TECHNICAL SPECIFICATIONS:

Sensors
Ruggedised seismic sensors
Wall mounted NEMA Cabinet (optional)
All-Weather Connectors
Power supply AC 85V – 264V @ 47 – 63 Hz
Ruggedised Computer
Touch screen flat panel display
NEMA 4, front panel
Windows software
Vehicle database software



Your Distributor/Dealer: