Human Presence Detection System
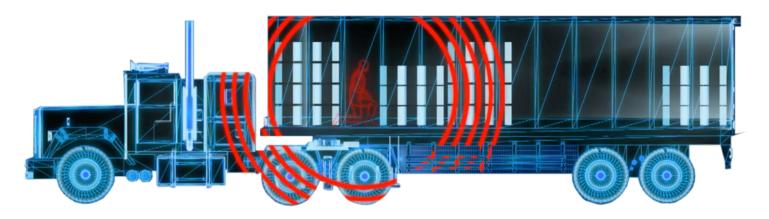
Product Code: 11511

Key Features

♡ **Detects human heartbeats**

⏱ **Speed – much faster than manual checks**

✓ **Safety – no risk to operator or detected persons**

◎ **Accuracy – low false alarm rate**

Overview

The WG Human Presence Detection System detects unauthorised individuals hiding in vehicles or containers by sensing the vibrations caused by the human heartbeat.

There are two model's available, standard and enhanced. The enhanced model uses two additional ground sensors and upgraded software and offers active ground vibration cancellation, making it ideal for challenging operational environments such as busy border checkpoints, seaports and high traffic inspection areas.

The standard system can be upgraded to the enhanced model quickly and easily in the field with a retrofit kit and new software update.

Features

Economy – Far less capital–intensive than dedicated vehicle/cargo X–ray machines.

Flexible cabling – Heavy duty connectors for maximum cable life.

Light, compact sensors –Twice the holding power of previous sensors.

Reliability – Accurate results in a variety of environmental conditions, including dry, dusty, wet and hot/cold environments.

Superior data transfer – High–speed USB interface between the control box module and host computer.

Unmatched flexibility – Portable and industrial versions meet your environmental or operational requirements.

Human Presence Detection System

Cable Management System

The Cable Management System offers a durable, protective and economic solution for cabling.

5 Reel enhanced system

Cables Features
Ideal for indoor/outdoor use
Retractable
Slip–ring assembly
Heavy steel construction
Powder coat finish
Cables pre–assembled to reel

Enclosure Features
Ideal for indoor/outdoor use
NEMA 4 and 12 rated
Heavy steel construction
Powder coat finish
Storage area for electronics box and sensors

Standard Mode
Number of cable reels – 3
Dimensions – 111cm x 45cm x 53cm
Weight – Approximately 90.9kg

Enhanced Mode
Number of cable reels – 5
Dimensions – 111cm x 45cm x 53cm
Weight – Approximately 136kg

Industrial Workstation

Features
Stainless steel enclosure
NEMA 4X and IP66 compliant
Corrosion resistant
Water proof/dust proof
Extreme temperature proof
Shock and vibration proof
Wall mountable

Hardware
15 inch active matrix TFT LCD display
Touch–screen display (optional)
High performance computer
160 GB hard drive (or better)
1 GB system memory (or better)
CD/DVD drive
Industrial silicone rubber keyboard with integrated pointing device
Overall dimensions: 20" (H) x 24" (W) x 16" (D)/51cm (H) x 61cm (W) x 41cm (D)
Weight: 100 lbs/45 kg

Power Requirements
100–240 VAC, 1.5A, 50/60 Hz

Human Presence Detection System

Standard Model

Components Standard Mode
1 Host computer*
1 Control Box Module
1 AC Adapter: AC 100V–240V 50/60Hz
1 10' (3m) USB Cable
4 50' (15m) Sensor Cables (includes one spare)
3 Vehicle Sensors (includes one spare)
2 Ground Sensors (includes one spare)
Null Modem RS–232 Cable

Components Enhanced Mode
1 Host computer*
1 Control Box Module
1 AC Adapter: AC 100V–240V 50/60Hz
1 10' (3m) USB Cable
6 50' (15m) Sensor Cables (includes one spare)
3 Vehicle Sensors (includes one spare)
4 Ground Sensors (includes one spare)
Null Modem RS–232 Cable

Software
Microsoft Windows Operating System
WG Human Presence Detection Software (Standard or Enhanced version)
Vehicle Logging and Reporting Database
Desktop security software
Current to Windows OS
Output Signal Capability to be
Integrated in Third party Security System

Host Computer Specifications
The system is available in a variety of configurations, providing you with the flexibility to choose the product

Semi Ruggedised Laptop

Features
Partial magnesium alloy case with handle
Shock–mounted, quick release hard drive
Spill–resistant keyboard and touchpad

Hardware
15.4 inch Widescreen LCD display
13.3 inch Touch–screen display (optional)
High performance computer
160 GB hard drive (or better)
1 GB system memory (or better)
D/DVD drive

Power Requirements
100–240 VAC, 1.5A, 50/60 Hz

Fully Ruggedised Laptop

Features
Full magnesium alloy case with handle
Shock–mounted, quick release hard drive
Spill–resistant keyboard and touchpad
Sealed all–weather design
MIL–STD–819F and IP54 compliant

Hardware
13.3 inch LCD display
Touch–screen display (optional)
High performance computer
160 GB hard drive (or better)
1 GB system memory (or better)
CD/DVD drive

Power Requirements
100–240 VAC, 1.5A, 50/60 Hz

Desktop Workstation
1 GB system memory or better
100 –240 VAC, 1.5A, 50/60 Hz
17" LCD display, 160 GB hard drive or better
CD/DVD drive
High performance computer
Keyboard / mouse
Touchscreen display – option