Applications:
• Vehicle to Person Protection
• Person to Vehicle Protection
• Vehicle to Vehicle Protection
• Vehicle/Person to Object Protection
• Person Tracking
• Adjustable Alarm Zones
• Points Of Interest (POI)
• Event Logging

Personal Proximity Detection System

Product Description
The Personal Proximity Detection System (PDS) monitors workers and their position in relation to the host vehicle using patented TOF measuring devices (PDD) and GPS. If a worker breaches any of the user configurable zones around the vehicle an Alarm is given to the operator by way of a flashing colour coded zone representing distance an Audible Alert tone (User configurable) and Tag ID.

To cater for varying vehicle sizes, each Vehicle can have its own unique zone settings configured. The system also has a ‘Buddy Alert™’ feature allowing workers to raise a global alarm.

Main Features:
• Purpose built Vehicle PC with 4” colour display and adjustable brightness & volume
• Rugged enclosure, fan-less design
• Heavy duty adjustable RAM mounting bracket system
• Provides Adjustable Proximity Zones & Relative Positioning
• PDD provides Warning & Alerts using LED Indicators, Vibrator & Beeper
• Buddy Alert system warns all workers and operators of potential danger
• Event & Alarm Logging
• Wireless Updates
• Contact-less Charging (PPD-02 Only)
• Suitable for most outdoor applications
• Minimal installation requirements

Technology Specification:
• Time Of Flight (TOF) Measuring Technology with GPS positioning
• Accurate to +/- 2m or better
• 2.4hGz, 900Mhz Operating Frequency
• Operating Range 0-1000m LOS (V2V 5km LOS)
• Operates on both 12 and 24VDC systems
• Re-chargeable Personal Detection Devices (PDD) with 15hrs up time
• Re-charge time <4hrs
• Audible Alert, LED Indication, Vibrator
• Wireless Updating
• Buddy Alert™

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Operators Control Panel (OCP)

**OCP Description**

The OCP provides the operator with an overview of surrounding vehicles and workers. If either enters the Warning or Alert Zone which can be configured, it will alarm and display which zone has been breached and who caused the alarm. The operator can accept the alarms by pressing the Accept button. In the event of a “Buddy Alert” being triggered by a worker, the operator will be alerted by a separate warning so he/she can take the necessary action.

**Personal Detection Device (PDD)**

**PDD Description**

The PDD is worn by any person you want to provide Person to Vehicle or Vehicle to Person Proximity Protection to. If the Worker enters either the Warning or Alert Zone of the vehicle, he/she will be alerted via a series of Beeps, Flashes and Vibrations from the device. The device has an up time of approximately 15hrs and will recharge in less than 4hrs using a non-contact charging rack. The device also has an internal GPS that provides positional information to the vehicle operator.