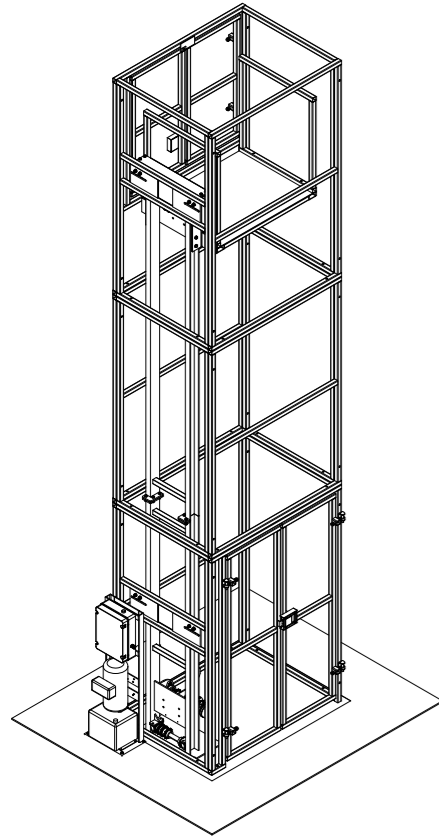# MezzLight Handloaded

The MezzLight Handloaded is designed to easily load and unload goods such as crates and boxes at waist height.

Features

- 250kg maximum working load
- Lift speed approx. 0.15m/s
- Usable platform size 1,000mm x 800mm
- 2 stop lift, up to 4,000mm travel height

- Ground to mezzanine
- Docks 800mm above floor height
- Slam shut gates
- Hold to run handle at lower level
- Same side or through car loading

Options

- Bespoke platform sizes
- Increased gate height
- Outside installation

- Choice of finish
- 90° loading or additional entrances

Waist level access

Docks 800mm above floor height

Ground to mezzanine

BayLift

The BayLift is ideal for lifting loads between different levels where the height difference is less than 1500mm, such as loading bays and docks.

With no need for a lift pit the BayLift offers a practical load handling solution where alternative equipment such as conventional scissor lifts or dock levellers cannot be installed.

Separate versions are available with capacities from 500kg to 1,000kg along with a range of platform sizes that ensure the BayLift can safely handle crates, pallets, roll cages, sack barrows and many other loads.

Loading Bay design

Vertical BayLift with platform lowered

Features

- 500kg or 1,000kg maximum working load
- Platform size up to 2,400mm x 1,500mm
- Folding barrier on platform

- 2 stop lift, up to 1,500mm travel height
- Constant pressure control
- Floor mounted, no pit required
- Folds away after use

Options

- Bespoke platform sizes
- Trolley stop or anti-roll-off toe on platform

- Outside installation
- Free standing mounting bracket

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Proximity Warning and Safety Systems

QUICKSAFE Since 2003 QS-V3 Lone Worker Alarm

The most advanced lone worker alarm available.

General specifications

- Dimensions: 52mm x 47mm x 17mm
- Weight: 53g
- Battery: Rechargeable 3.7v, 950 mAh
- Charging voltage: 5v DC
- Operating temperature:
  -20º to + 60º for working
  -30º to + 70º for storage
- Battery life: 3-5 days usage
- Waterproof: IPX7

Hardware specifications

- Multi-network roaming SIM
- Sensor: motion and vibration sensors
- Connectors: 4-pin magnet for charging
- SIM card slot: nano SIM card
- Flash memory: 8GB
- Built-in microphone and speaker
- Antenna: built-in laser curbed antenna

GPS

- GPS chipset: support GPS and Glonass
- AGPS: yes
- Receiver frequency: 1575.42MHz
- Cold start: approx 26s
- Warm start: approx 2s

4G 2G/3G/as back up

Up to 4 location technologies: GPS.BLE.Wifi.LBS

Features

- **SOS Alarm**
  To call and to send SMS messages, GPRS data, with alarm and location information.
- **TTS Voice**
  Smart speaking to deliver important information to users, supporting 11 languages.
- **Fall Detection**
  Built-in sensors to detect the fall and automatically activate the alarm.
- **Bluetooth Positioning**
  Connection to the docking station DS3 via Bluetooth allows a power-saving home mode.
- **Two-way Calling**
  Support various 4G bands. Use two-way calling at any time at the touch of a button.
- **No Motion Alarm**
  Alarm will be automatically activated for no motion for a preset period of time.
- **Wi-Fi**
  Being in the range of Wi-Fi allows a power-saving home mode.
- **Geo Fence**
  To generate the alerts when entering or leaving a particular area.

4G LTE

Supported bands:

- UK/EU: B1/B3/B7/B8/B20

ZoneSafe Vehicle To Vehicle Anti-Collision System

Reduces the risk of impacts and collisions between industrial vehicles.

The vehicle to vehicle system offers reliable long-range vehicle detection to reduce the risk of impacts and collisions between vehicles used in the workplace.

Two configurable warning zones, an outer pre-warning zone, and an inner warning zone are available with each system.

Connecting to the system via a web-enabled device allows you to easily configure detection ranges, alarm volume and alarm sounds.

- Reduce impacts and collisions
- Long-range detection
- Fits to any workplace vehicle
- Easy Conguration
- Audible visual alarms

Person To Vehicle Alert   Vehicle To Vehicle Alert   Asset Protection   Access Control   Insight Data Analytics

Vehicle Detection Zones

Outer Pre-Warning Zone
Inner Warning Zone
Up to 50m Detection Range

Up to 50m Detection

Control Unit
Audible visual warnings and system conguration

Control Unit

Vehicle To Vehicle Unit
Communicates with other V2V units

Flashing Lights
Mute Button
Alarm Sounder

ZoneSafe Asset Protection

Protect your assets from the risk of collisions with ZoneSafe Asset Protection.

Why protect assets?

Buildings, machines, vehicles, equipment or dangerous and hazardous materials – all assets in working environments are at risk when in close proximity to moving vehicles.

ZoneSafe Asset Protection is a Proximity Detection System that helps to prevent collisions between assets and vehicles, increasing safety and awareness across work sites.

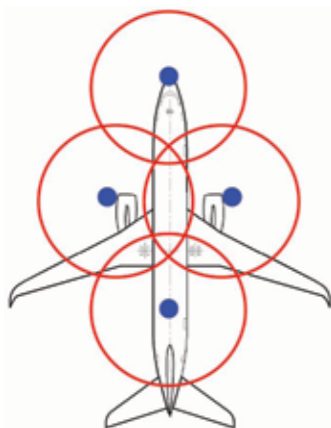Person To Vehicle Alert   Walkway And Crossing Alert   Hazard Alert   Access Control   Insight Data Analytics

How the ZoneSafe system works

Safety detection cones, fitted with ZoneSafe fitted tags are placed on or around an asset. Vehicles are tted with a ZoneSafe in-cab control unit with detection antennas. The antenna creates a 360° continuous detection zone around the vehicle – with an adjustable range of 3-9 metres.

When the system identies a cone tag within the vehicle's zone, the control unit emits an audible and visual alarm inside the cab – warning the operator of a potential collision.

The operator of the vehicle can then take appropriate measures to avoid a collision – slowing down or altering course. The alarm will continue to sound until all cone tags are safely clear of the vehicle's zone.

Protecting Aircraft

Our client, Jet2.com offers installed ZoneSafe Asset Protection. This oers a solution to help prevent aircraft damage and reduce the risk of collisions with ground services equipment (GSE) such as baggage handling vehicles and catering trucks.

The system was initially installed at Manchester airport to help reduce damage to aircraft while ground servicing was taking place. Due to the success of the system, Jet2.com has now deployed ZoneSafe Asset Protection across all of the European bases they operate from.

- The asset protection safety cones are strategically placed around the aircraft (blue dots).
- ZoneSafe control units are fitted to ground service vehicles detecting the location of the safety detection cones.
- Depending on the desired activation range congured for each vehicle, a continuous alarm sounds when a safety cone is detected. When the alarm sounds, drivers naturally manoeuvre their vehicles much more cautiously.
- The alarm will continue to sound until the vehicle is clear of the collision risk area. The alarm can be muted when the vehicle is stationary if required.

ZoneSafe Insight Data Management

Identify and review data to improve safety to your work site.

Image above indicates tag battery status and tag detection information.

Image below indicates GPS vehicle location detection.

Improving site safety and increasing awareness of potential incidents can be difficult, as near misses and areas of risk can easily go unreported and overlooked.

ZoneSafe Insight is a cloud based management system that works with all ZoneSafe systems to identify, monitor and log all site activity to enable easy analysis of potential incidents, including near-miss occurrences and high risk activities.

Person To Vehicle Alert   Walkway And Crossing Alert   Asset Protection   Access Control   Hazard Alert

How Insight works

ZoneSafe Insight™ is a cloud based software system used by site managers and supervisors. The system enables them to make insightful and informed decisions relating to site safety.

The system provides users with essential information

recorded by each ZoneSafe system and is displayed in a user friendly, graphical report format. This enables easy analysis of events and identication of incidents such as near-miss occurrences or high-risk activities.

Insight also has the ability to check battery levels, track personnel or vehicle movement, restrict access and more.

ZoneSafe Insight™ employs data management using your own WiFi network, and enables the user to:

- Identify, analyse and compare events
- Manage safety performance
- Log near-miss reporting
- Set up alerts
- Generate reports and share data
- Link with GPS location tracking module
- Link with other ZoneSafe applications

ZoneSafe Drop Zone Proximity Warning

ZoneSafe Drop Zone is used to protect groundworkers from being struck by falling objects / equipment whilst personnel are working at height on structures such as overhead pylons and / or overhead conductors.
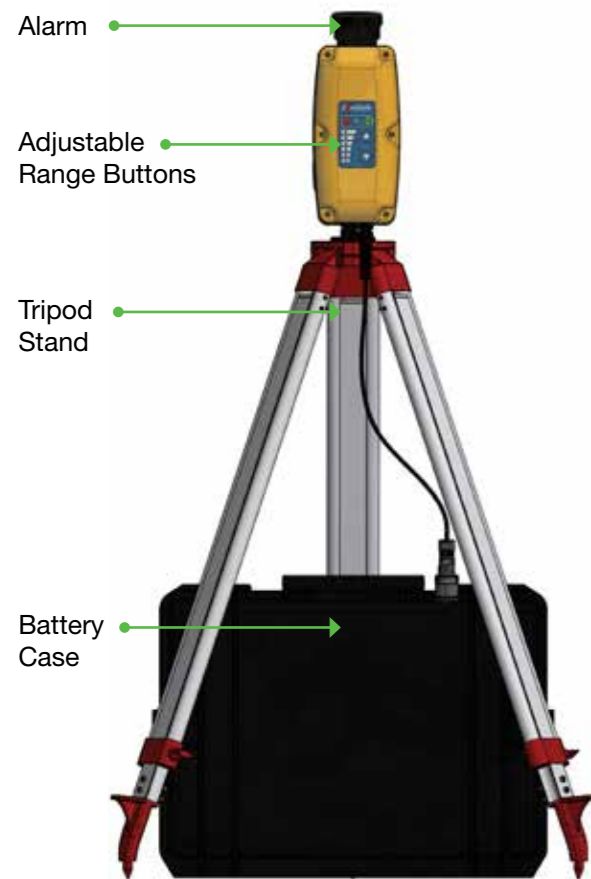
When work is undertaken above ground and at height, materials, equipment or tools can be accidentally dropped, causing a significant risk to personnel working on the ground below. The ZoneSafe system creates an invisible demarcation zone below the point of work, known as the 'Drop Zone', and warns the workers when they enter it.

How Does It Work?

- All groundworkers wear a ZoneSafe Tag. This ensures they are detected when entering the drop zone.
- The Drop Zone Detection Unit is set up underneath the overhead work area and creates an invisible demarcation zone around the area of up to 18m diameter.
- An audible and visual warning from the unit alerts all workers when they enter the zone.
- The tag will also vibrate indicating to the groundworkers of the potential danger within the drop zone.
- When the worker exits the drop zone, the alarm stops.

Person To Vehicle Alert   Walkway And Crossing Alert   Hazard Alert   Access Control   Asset Protection

Drop Zone Tags (Rechargeable)

Alarm

Adjustable Range Buttons

Tripod Stand

Battery Case

Drop Zone Detection Unit

ZoneSafe Vibra Tags

Pylon

Man working at height

Demarcation Area or, "Drop Zone"

Tag Vibration Warning Man is entering "Drop Zone"
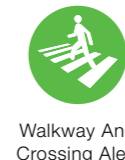
Drop Zone Unit

Range up to 18m

Drop Zone Unit

ZoneSafe Vehicle to Person Alert

Reduce the risk of injury to personnel, assets and property from Forklift collisions and near miss occurrences.

Accidents occur frequently between heavy machinery (such as forklifts) and pedestrians because of their heavy loads. The driver's vision can be impaired because of the load, there can be blind spots where the vehicle is operating and the forklift can be carrying loads that could strike a pedestrian worker.
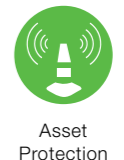
ZoneSafe Vehicle to Person is a Proximity Detection System that detects personnel working in close proximity to forklift trucks, reducing the risk of accidental collisions and serious injuries.
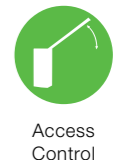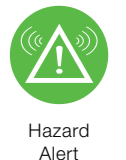
Walkway And Crossing Alert   Insight Data Analytics   Asset Protection   Access Control   Hazard Alert

System Overview

The in-cab control unit is fitted to the vehicle within reach of the vehicle's operator. An audible visual alarm alerts the driver every time anyone wearing an active RFID tag enters the detection zone. The unit has the capability to store and send data on each ZoneSafe application.

A detection antenna is fitted to the vehicle creating a 3-9 metre detection zone around the vehicle. Anyone wearing an active RFID tag will be identied when they enter the detection zone.

An active RFID tag is worn by all personnel. The tag can be placed in a hi viz jacket, clipped to a lanyard or simply placed in your pocket.

Detection Zone