ZoneSafe®
Proximity Warning System

Why ZoneSafe™

- Safeguards Personnel
- Helps prevent collisions
- Reduces Risk
- All round 360° detection
- Front and Rear Options
- Configurable detection range
- Hands free operation
- Easy to operate
- Event recording
- Data download and analysis
- Driver-ID and authentication
- Self diagnostic
- Orientation free transponders

ZoneSafe™ advantages

- Set-Up Safe Zones
- Detect Pedestrian Workers
- Identify Drivers
- Audible and Visual Warnings
- Hands Free Technology
- Data Analysis
- User Friendly Software

ZoneSafe™ Software

- ZoneSafe™ Manager for PCs
- ZoneSafe™ Android App
- ZoneSafe™ ZS Analytics Web
- ZoneSafe™ PST Manager Web

ZoneSafe™ Compact System
Helping to Safeguard Personnel
from Vehicle and Machine Hazards

ZoneSafe™ is supplied as a self installation kit. Each ZoneSafe™ Compact kit comprises 1 x Control Unit, 1 x Antenna, 1 x Driver Transponder Tag (Yellow) and 5 x Personnel Transponder Tags. (Grey) Additional Transponder Tags are available on request

How is ZoneSafe™ Compact installed and utilised ?

The fork lift truck or compact machine has a Control Unit installed in the operator area and a detection Antenna installed on the front of the vehicle.
Personnel wear safety Transponders which can be integrated into Hi-Vis clothing and other PPE.
Where systems are deployed across multiple sites personnel need only carry one Transponder.
An optional Transponder Tester can be used to test personnel Transponders on a daily basis to ensure correct functionality of the Transponders in the work area

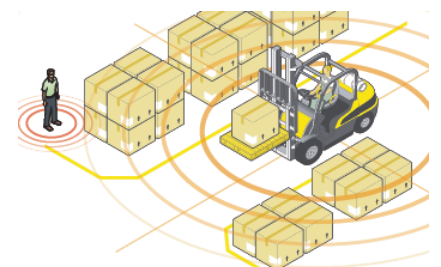**ZoneSafe™ Transponder Test Unit**

What is ZoneSafe™ ?

ZoneSafe™ is a proximity warning system which produces a 360° invisible detection zone around fork lift trucks and other compact equipment

Hazards related to fork lift trucks and other compact equipment such as, obstructed vision, blind spots and unauthorized operation all pose a potential risk to pedestrians. ZoneSafe™ provides companies with a solution to reduce workplace accidents and help prevent collisions with fork lift trucks and compact equipment

How does ZoneSafe™ work ?

ZoneSafe™ uses electronic safety transponders to detect pedestrian workers and identify vehicle operators. The system produces a 360° proximity detection zone around the vehicle . Entering the detection zone triggers an audible and visual alarm alerting the driver or machine operator to the danger

System Logging

ZoneSafe™ records up to 8000 events including system status and tag detections. The event log can be wirelessly downloaded to a PC or Android device and analysed to help improve training methods and identify possible problems

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Technical Specifications

Appointed Distributor for Singapore

Automation Support Services Pte Ltd
60 Kaki Bukit Place,
08-13 Eunos Techpark
Singapore 415979
Tel: +65 6844 6223
E-Mail: info@assmsb.com

ZoneSafe™ Control Unit

ZoneSafe™ Control Unit		
Electrical	Voltage	24V DC nom (18-30V)
	Current Consumption	800mA max
	Memory	7000 Events
Mechanical	Dimensions (inc glands)	235mm x 90mm x 73.5mm
	Connectors	IP68 ABS Glands
	Relays (for additional sounders/beacons)	1 x DPCO Rated Current 2A
Communications	Wireless	Bluetooth
Environment	Ingress Protection	IP65
	Temperature	- 10°C to + 55°C

ZoneSafe™ Wakeup Antenna Unit		
Mechanical	Dimensions (inc glands)	280mm x 100mm x 77.5mm
	Material	Anodised Aluminium Base. Polystyrene Weather Resistant HIPS Cover
	Weight	0.8kG
	Connectors	IP68 ABS Gland
	Mounting	Integrated M6 Blind Nuts Optional Mounting Kit

ZoneSafe™ Transponder		
Electrical	Power	Lithium Coin Cell
	Operating Voltage	3V
	Life	2.5m Reads or 2 Years*
Mechanical	Dimension	85mm x 54mm x 7mm
	Material	ABS (Grey/Yellow)
	Weight	22.5 grams
Environment	Ingress Protection	IP67
	Temperature	- 10°C to + 55°C

ZoneSafe™ Transponder Test Unit		
Electrical	Power	18V to 30V DC Input
	Operating Voltage	24V DC
	Consumption	300mA
	Memory	7000 Events
Mechanical	Dimensions (inc. glands)	285mm x 150mm x 102 mm
	Material	Anodised Aluminium Base. Polystyrene Weather Resistant HIPS Cover
	Weight	965 grams
	Connectors	IP68 ABS Glands
	LEDs	Blue - Transponder Detected Green - Battery Good Red - Low Battery Warning
	Relays	2 x Guided Contacts DPDT Rated Current 8A
	Mounting	Integrated M8 Blind Nuts Optional Mounting Kit
Communications	Data	TCPIP
Environment	Ingress Protection	IP67
	Temperature	- 10°C to + 55°C