APS LIGHTING & SAFETY

ZoneSafe RFID Vehicle to Person Alert
RFID Proximility Warning System for Worker Safety

ZoneSafe® Proximity Warning & Alert Systems

Description

Utilizing RFID technology, ZoneSafe creates detection zones around vehicles, assets, crossing points, and pedestrian pathways, prioritizing safety awareness in the workplace. These systems can detect the presence of personnel around vehicle hazard zones, providing alerts to operators and significantly reducing the risk of accidents.
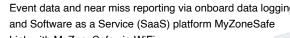
Targeted towards safety, security, and asset management applications across various industrial sectors, including the home office, ports, manufacturing, construction, and logistics. ZoneSafe has a robust in-house production and engineering team. This team provides development and support for the company's wide range of products and services, enabling us to offer both the best standard off the shelf goods and bespoke tailored solutions.

ZoneSafe manufactures a range of proprietary products for both active and passive RFID systems and provides integration and supply of third-party products, including Eureka key compromise protection and ZoneSafe RFID proximity warning alert systems.

Features and Benefits

- Robust weatherproof industrial design
- 360 degree detection
- Single or multiple detection zones
- Detection regardless of obstruction
- Detect pedestrians in close proximity to moving vehicles
- Two-way feedback using audible visual warning & vibrating tags
- Adjustable detection zone range 3 - 9 metres
- Increase detection area with multiple antennas and can be adjusted via ZoneSafe phone app
- Event data and near miss reporting via onboard data logging and Software as a Service (SaaS) platform MyZoneSafe
- Link with MyZoneSafe via WiFi

A.   B.   C.   D.

Suitable for: Vehicle to vehicle alert, walkway / crossing alert, asset protection / hazard alert, vehicle access control, personnel access control

Rechargeable Driver Tag

Rechargeable Pedestrian Tag

Tech Specs

ZoneSafe Antenna

Category	Parameter	Value
Electrical	Voltage	12V - 24V DC nom (11-32V max)
	Current Consumption	1A max
Mechanical	Dimensions (incl. glands)	245mm x 105mm x 90mm
	Material	ABS / PC
	Weight	1.4kg
	Connectors	Nylon Glands
	Mounting	AMPS Configuration
Communications	Wired	RS485
Environment	Ingress Protection	IP67
	Temperature	-10°C to +50°C
Radio	RX Frequency	125kHz
	TX: adjustable 3-9m approx	Various MHz
	Range	TX: adjustable 3-9m approx
		RX: 50m typ

ZoneSafe Rechargeable Tag & ZoneSafe VibraTag

Parameter	Value
Dimensions	84 x 53 X 12mm
Materials	Polymer
Weight	65g with Clip Kit
Protection	IP67
Temperature	-10°C to +50°C

360° Detection

Authorised Importer and Master Distributor

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ZoneSafe Control Unit

Electrical	Voltage	12V - 24V DC nom (11-32V max)
	Current Consumption	1A max
	Memory	4000 Events
Mechanical	Dimensions (incl. glands)	180 x 102 x 58 (mm)
	Material	ABS / PC
	Weight	0.5kg
	Connectors	IP D-type
	Relay (for additional sounders / beacons)	N/O N/C 0.5A @125VAC, 2A@ 30VDC
	Digital Input	3 x Opto-Isolated inputs
Communications	Wi-Fi	IEEE 802.11b/g/n (2.4GHz)
Environment	Ingress Protection	IP65
	Temperature	-10°C to +50°C

How Does it Work?

2. Tag transmits to all Antenna Units within range.

3. On Tag detection, the Antenna relays to the ZoneSafe Control Unit.

1. Antenna Unit forces Tag to transmit. Tag will also vibrate depending on tag type (VibraTags only).

Control Unit creates visual and audible alarms to the driver and also has the option to activate a relay.

Part No.	Description	Part No.	Description	Part No.	Description
ZSK6737-FCC-1	ZoneSafe Single Antenna System (FCC)	ZST6735-FCC-D	Standard Tag - Driver (FCC)	ZSM6908-E	Mounting Kit E
ZSR6783-FCC	ZoneSafe Standard Control Unit (FCC)	ZST6735-FCC-P	Standard Tag - Pedestrian (FCC)	ZSM6908-A	ZoneSafe Antenna Mounting Kit A
ZSA6782-FCC	ZoneSafe Standard Antenna Unit (FCC)	ZST6687-FCC-D	Vibra Tag - Driver (FCC)	ZSM6908-D	ZoneSafe Controller Mounting Kit D
ZSA6782-FCC-1	ZS Independent Antenna Unit (FCC)	ZST6687-FCC-P	VibraTag - Pedestrian (FCC)	ZSM7154-A	Pivot Lock Bracket Kit A
ZSR6663-FCC	Plus Reader (FCC)	ZST6687-FCC-RD	Rechargeable Tag - Driver (FCC)	ZSM7154-B	Pole Mount Bracket Kit B
ZSR6663-FCC-T	Plus Tag Tester (FCC)	ZST6687-FCC-RP	Rechargeable Tag - Pedestrian (FCC)	ZSM7154-C	Right Angle Mount Bracket Kit C
ZSR6663-FCC-WRX	Plus WRX (FCC)	ZSM7587	Wireless Charger (with Locator)		
ZSR6966	USB Desktop Reader	EURIDM6738	Belt Clip Kit (for Rechargeable/VibraTag)		
ZSA6782-X-QB	Qu-Box	ZSM7306	5 Bay Wireless Charger		