

ZoneSafe PWAS

ZoneSafe PWAS is designed for industrial vehicles and plant machinery. Quick and easy to install, the system consists of a Control Unit (which is positioned next to the driver) and an Antenna Unit fitted to the exterior of the vehicle. ZoneSafe tags are required in order to make the system work but are sold separately.

The Antenna Unit creates a 360° detection zone around the vehicle with the ability to detect ZoneSafe Tags from a distance of 3-9 metres. Depending on the size and shape of the vehicle, more than one antenna unit may be required.

When a ZoneSafe Tag is detected on entering the detection zone, the system will emit an audible visual alert to the driver of the vehicle from the Control Unit. A pedestrian wearing a VibraTag will also be alerted by a vibrating pulse from the tag.

The system will record and save events including tag detections and near miss occurrences - uploaded to The Cloud via Wi-Fi. These events can be viewed using ZoneSafe Insight™ software to understand and help improve site safety.

ZoneSafe PWAS provides a solution to help reduce the risk of collisions between industrial vehicles and pedestrian workers. The system can also be used to help protect assets by creating cordoned off areas or 'no go zones' using TufTags.

ZoneSafe Tags are fully compatible with other ZoneSafe products - with the ability to provide personnel access, vehicle access, and also set up walkway and crossing alerts.



Features	Benefits
Multi-Colour Status Indicator	Indicates to the vehicle driver the unit is functioning correctly.
Mute Button	Enables the vehicle driver to silence the alarm and allow a single pedestrian worker to approach the vehicle.
Audible Visual Alarm	Provides an alert to the driver when a tag enters the 3-9 metre detection zone around the vehicle.
Antenna	A single antenna generates an adjustable detection zone between 3-9 metres.
Event Logging	Records and saves tag detections, system events and identifies and logs driver ID - all information that can be downloaded.
Communication	Using Wi-Fi connect to a control unit using a mobile device to access event logs and to adjust configuration settings such as detection zone range.
Tag Alarm	Alarm reminds driver has left tag in vehicle.

ZoneSafe Antenna		
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	TX Frequency	125kHz
	RX Frequency	Various MHz
	TX: Range	adjustable 3-9m approx
	RX: Range	50m typ

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

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