

ZoneSafe RFID Vehicle to Vehicle Alert

Advanced RFID Collision Mitigation System for Industrial Vehicles



Description

With a focus on preventing vehicle collisions in industrial environments, ZoneSafe utilizes RFID technology to detect the presence of objects or vehicles nearby and mitigate the potential for collisions.

The ZoneSafe RFID Collision Mitigation System is specifically designed to enhance safety in workplaces where vehicle movement poses risks to personnel and assets. By creating detection zones around vehicles, assets, and pedestrian pathways, the system alerts operators to the presence of other vehicles nearby, reducing the likelihood of collisions. This system can improve situational awareness for operator, enabling them to quickly respond to potential hazards and avoid accidents. By providing alerts, ZoneSafe RFID helps optimize safety protocols and minimize the risk of injuries and property damage.

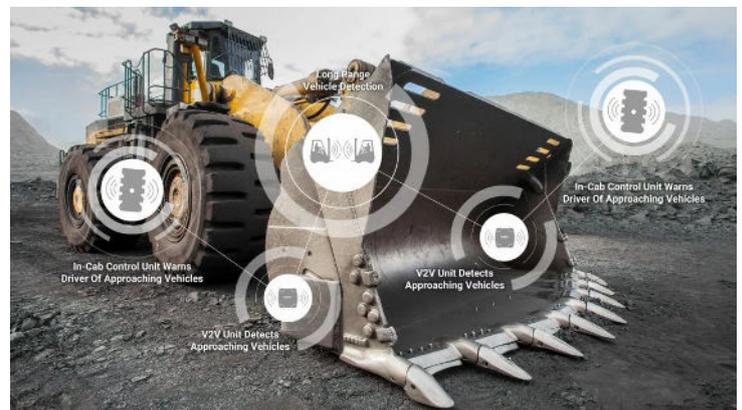
The ZoneSafe RFID system can be customized for various industrial sectors, including manufacturing, construction, logistics, and transportation. With its innovative RFID technology and proactive collision prevention features, ZoneSafe RFID reinforces a safety culture and ensures a safer working environment for personnel and assets.

Features and Benefits

- Robust weatherproof industrial design
- 360 degree detection proximity sensors
- Long-range detection, increase detection area with multiple antennas and can be adjusted via ZoneSafe phone app
- Easy configuration
- Track and detect, locate vehicle movement in close proximity to moving vehicles
- Detection regardless of obstruction
- Activate external alarm warning of approaching vehicles
- Two-way feedback using audible visual warning & vibrating tags
- Automatically slow vehicles down (3rd party integration required)
- Fits to any workplace vehicle
- Reduce impacts and collisions
- Proven technology
- Event data and near miss reporting via onboard data logging and Software as a Service (SaaS) platform MyZoneSafe



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



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How Does it Work?



Tech Specs

Vehicle to Vehicle Unit

| | | |
|----------------|---------------------------|-------------------------------|
| Electrical | Voltage | 12V - 24V DC nom (11-32V max) |
| | Current Consumption | 2A max |
| | Dimensions (incl. glands) | 160 x 160 x 60 (mm) |
| Mechanical | Material | ABS / PC |
| | Weight | .45kg |
| | Connectors | Nylon Glands |
| | Mounting | AMPS Configuration |
| Communications | Wired | RS485 |
| Environment | Ingress Protection | IP67 |
| | Temperature | -10°C to +50°C |
| Radio | Operating Frequency | 6489.6MHz |
| | Range | Adjustable 0-100m approx |

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 |
| Communications | Relay (for additional sounders / beacons) | N/O N/C |
| | Digital Input | 0.5A @125VAC, 2A@ 30VDC |
| | Wi-Fi | 3 x Opto-Isolated inputs |
| Environment | Ingress Protection | IEEE 802.11b/g/n (2.4GHz) |
| | Temperature | IP65 |
| | | -10°C to +50°C |

| 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 | | |

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