



Rearsense Container Sideloader

Hazard Zone Solution

Developed for tailored solutions to fit your working environment

OPERATION

A powerful, flexible, accurate and robust radar system is the heart of this ultimate hazard zone solution. In order to operate in numerous types of conditions we use a two-layer system to accurately define obstacles. This enables us to have a flexible solution to separate movement, heat and stationary objects.

Sensors are used to scan the operating area and if obstacles are identified then the second layer- the radar is powered up. The radar also scans the programmed working hazard zones and if it identifies an obstacle present in the zone it will trigger alerts - an alarm, strobe lights or cut out the system. Completely custom made to the requirements of the client.

This system is able to protect the blind side and the operator and helper from entering hazard zones. Installations to new builds and retrofit sideloaders on all makes and models is achieved.

COVERED AREAS AVAILABLE

BLIND SIDE COVER

Covering the length of trailer and truck with 5M hazard zone from unit. This gives protection to pedestrian and moving vehicles in the hazard zone by alerting operator.

OPERATOR COVER

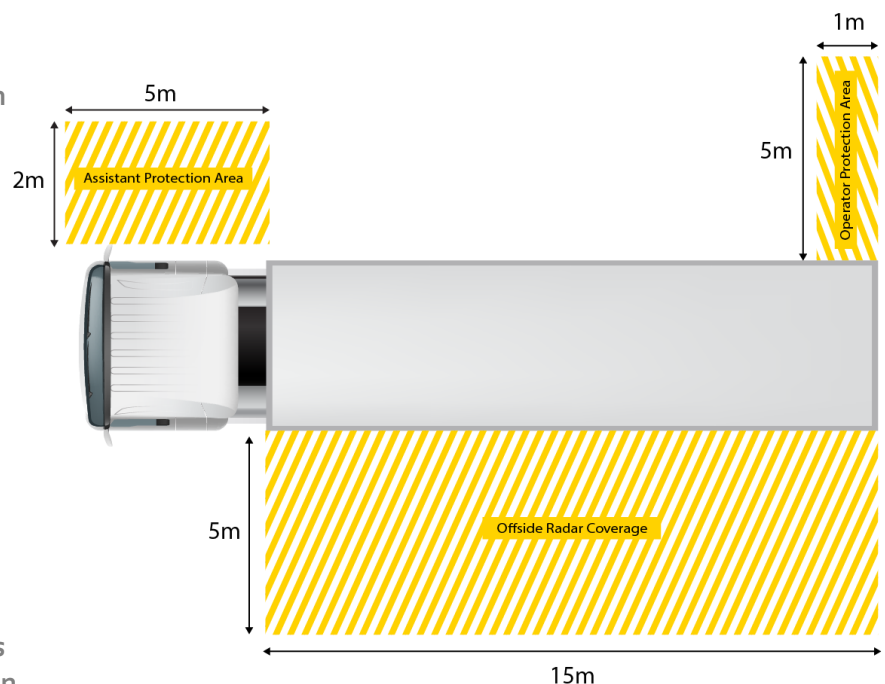
The operating position is covered by using a beam out from rear of trailer that is activated if the operator walks through the beam.

Options available when activated:

1. Alarms
2. Cut off

HELPER COVER

A beam is created so the operator will hear the alarm if the helper enters the marked hazard zone and stops the operation. This gives protection to pedestrian and moving vehicles in the hazard zone by alerting operator.








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Hazard Zone Solution

The ultimate audible and visual pedestrian and operator warning system for hazard zone detection




Key Advantages

-  Promotes greater safety : Combined audible and visual alert is activated when any person or object enters the detection zone, alerting the operator and pedestrian. The audible warning is delivered by a broadband alarm and the visual warning by a highly visible blue strobe light
-  Easy to operate : Activated by a power switch
-  Multi-purpose : Suitable for indoor and outdoor use, use in open spaces or congested areas




FLEXIBLE

-  Customisable detection zones to suit individual operating conditions
-  Able to detect stationary objects within 5M hazard zone without alarming
-  Tailored solutions to different makes and models of Sideloaders

RELIABLE

-  Detects people and objects right up to the face of the sensor
-  Accurately identifies location and velocity of up to 16 objects
-  The heart of the system Radar, developed over 20 years

ROBUST

-  Rugged design — engineered to operate in all weather conditions
-  Electrically and mechanically hardened
-  Built to last

Product Features



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Technical Specifications



THE ULTIMATE OBSTACLE DETECTION SOLUTION

Rearsense Sentry

Measuring Performance	
Programmable Range	0-30M (0-98')
Programmable Width	2M-8M (6.5'-26')
Azimuth Field of View	±75 degrees
Elevation Field of View	±10 degrees

Operating Conditions

Frequency	24.00 - 24.25 GHz (ISM Band)
Power Supply	9 - 33VDC, Reverse polarity and over-voltage protected
Current	<0.5A
Operating Temperature	-40C to +85C (-40F to +185F)
Shock	50G
Vibration	25G, random, all three axis
Protection Rating	IP69K

- Flexible — customizable zones
- Reliable — accurately detects
- Robust — built to last the life of the vehicle

The world's most flexible, reliable and powerful reversing radar solution for object detection in heavy duty industries.

Rearsense Sensor

Model	
Power Supply	12-24V
Light Control	3 - 2000 LUX
Detection	Heat movement
Dimensions	10 x 65cm

Rearsense Broadband Alarm

Model	
Output	RRA-82dB -97dB
Power Supply	12-24V
Power Consumption	0.3Amps

- Rugged design — reliable
- Multi-frequency broadband sound
- Instantly locatable
- Sound confined to danger zone
- Reduces noise nuisance
- Prolonged exposure to sound doesn't damage hearing

Rearsense LED Strobe Light

Model	
Light Sources	LED
LENS Colour	Amber/Blue
LENS Material	Polycarbonate
LENS per Head	6
Base	Aluminium
Voltage	10V-30V DC
Max Current Draw	@ 12V 1.5A / @ 24V 0.75A
Max Power	18W
Flash Patterns	10
Mounting	Screw

- Light plus strobe means that it is a strong visual warning — both movement and light
- Instant awareness in danger zone
- Can be used indoor and outdoors