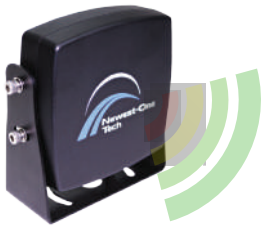
APEX SAFETY SYSTEM - Aktiv RADAR

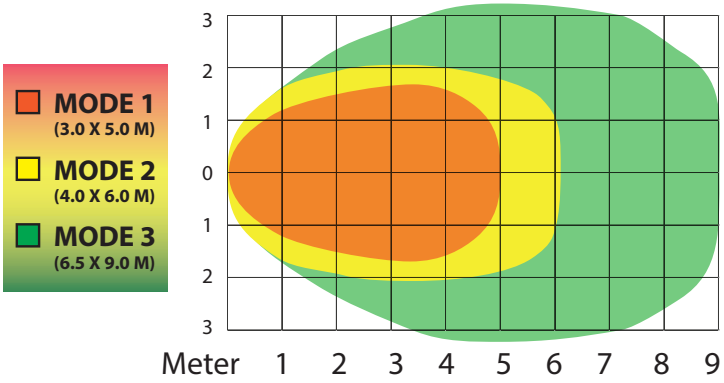
See What You've Been Missing



Radar Sensor

Display Unit

Detection Zone



Radar Sensor Spec

PARAMETER	Value	Units	Condition
Transmit frequency	24.06 ~ 24.22	GHz	FCC, CE
Modulation	FMCW (Frequency Modulated Continuous Wave)		
Supply voltage	12 ~ 32	V dc	
Current	300	mA@12V	W/O Alarm Out
Power on time	300	ms	
Detection time	200	ms	
Communication	RS-485		
Operating temperature	-40 ~ 85	℃	
IP protection rate	69K		
Vibration	15	G	
Housing material	Polycarbonate		
Dimension	110(H) x 108(L) x 34(D)	mm	
Weight	390	g	W/O Bracket
	720	g	with bracket

Description

The Radar Sensor uses FMCW radar technology to detect stationary objects and people in blind spots. This advanced system alerts the operator with both visual and audible warnings.
The system has three distinct length and width modes, enabling the operator to adjust the Display Unit to fit their needs.
The system's capability of being able to determine whether an object is approaching or moving away from the sensor, helps to limit the number of false detections caused by objects of no concern encroaching on the detection area.
The commercial grade heavy-duty system has an IP69K waterproof rating, a simple installation, and works perfectly in all weather conditions.

Key Features

- Programmable Radar Sensor
- Transmit frequency : 24.06 ~ 24.22 GHz
- Modulation : FMCW
- Detection zone : 5 Zones
- IP protection rate : IP 69K
- Vibration : 15G

Option : Alarm output → The radar sensor provides an auxiliary output that becomes active whenever it detects an object.
Controls when other equipment.
e.g an external alarm or light is activated.

Applictions

Waste Truck, School Bus, HGV, Construction, Mining

Display Unit Spec

Detection Zone	5 Zones
Speaker	3 x different volume level to be selected
Operating Temp.	-30°C ~ +70°C
Cable Length	0.7 Meter
Connector	4P Screw Lock type
Housing Material	Polycarbonate
Dimension	20(H) x 65(L) x 54(D) mm
Weight	220g with Bracket