



NineT3
- TAILORED SAFETY SOLUTIONS -

Radar X

Collision Avoidance Radar System

FEATURES

-  CAN communication: Fast Signal transfer with strong anti interference ability
-  Extra trigger: Trigger other vehicle safety devices
-  Self-diagnosis alert to driver
-  Detection length and width is fully customisable from 0-30m & 0-5m
-  Effective through non-metallic objects – can fit behind plastic or glass fiber body work
-  Suitable for both on and off road applications
-  Remove excellent small blind zone
-  High volume 90dB for noisy working environment
-  Adjustable bracket for multi angle alignment
-  Optional detection settings for objects that are static, in motion or both.

Our reverse Radar sensor system is based on 77Ghz technology which is specifically designed to detect people, Vehicles and Objects in the blind spots of commercial vehicles or mobile plant machinery, effectively reducing incidents.

The system is able to detect stationary and moving objects, providing the driver with in-cab audible and visual warnings.

The Radar works effectively in harsh and poor environmental conditions, including darkness, heavy dust, smoke or fog.



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SPECIFICATION

M I C R O W A V E R A D A R

ITEM	PARAMETER	ITEM	PARAMETER
Rated working voltage (V)	12V OR 24V	Horizontal angle (°)	110 @ -3dB
Operating voltage range (V)	9-36V	Vertical angle (°)	30 @ -3dB
Working current	<200mA	Angle accuracy (°)	0.5 @ 40°
Operating temperature range (°C)	-40 ~ 80	Angular resolution (°)	15
Storage temperature range (°C)	-40 ~ 85	Speed Range (km/h)	-36 ~ +36
Working frequency (GHz)	76 - 81	Speed Range (km/h)	0.5
Transmit power (dBm)	12	Detectability (m)	30
Modulation mode	FMCW	Distance Accuracy (m)	±0.02
Antenna form	2TX, 4RX	Distance Resolution (m)	0.04
Traceable target number MAX	31	Waterproof grade	IP69K

D I S P L A Y

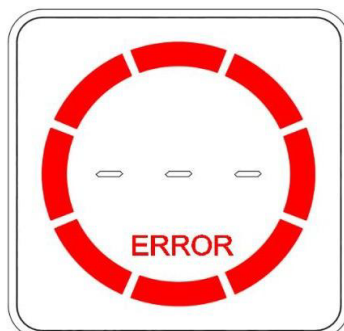
ITEM	PARAMETER	ITEM	PARAMETER
Rated working voltage (V)	12V	Operating voltage range (V)	9-16V
Operating voltage range (V)	<300mA@12V	Operating temperature range (°C)	40 - 80
Working current	<200mA	Angle accuracy (°)	0.5 @ 40°

EASY SELF-DIAGNOSIS FUNCTION

When Reverse gear is engaged the system starts self-diagnosis for easy setup and auto calibration, with the result displayed in the cab display as shown.



Pass
(Beep once)



Fail
(Beep twice)



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