



Radar Object Detection System

Model No: RODS - M30



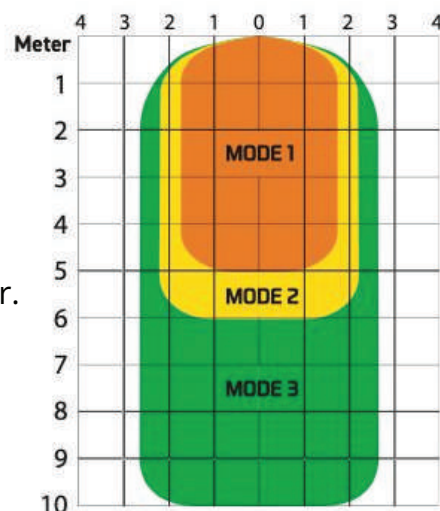
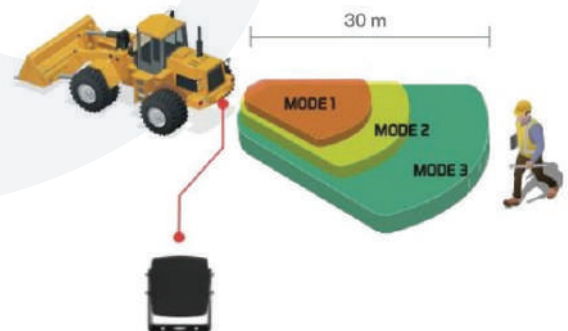
Product Description:

Introducing the Radar RODS M30 a compact 24GHz radar sensor and epitome of cutting-edge technology, empowering drivers with visual and audible alerts for utmost safety on the road.

With an impressive detection range of 30 meters and a remarkable three-zone detection capability. Unleashing its power even in extreme conditions, it operates flawlessly in extreme temperatures.

Product Features:

- Programmable Radar sensor (RODS-L)
 - Mode 1 : (4.0 X 20 M)
 - Mode 2 : (6.0 X 25 M)
 - Mode 3 : (8.0 X 30 M)
- Compact 24GHz Radar sensor
- Modulation: FMCW
- Detection zone : 5 zone
- Provide visual and audible alerts for driver.
- Waterproof and rugged design.



■	Mode 1 (4.0 X 20 M)
■	Mode 2 (6.0 X 25 M)
■	Mode 3 (8.0 X 30 M)

• Test Conditions
Radar sensor (Height 1.0 meter)
Test Person : 1.8 meter tall
Detection ZONE 5

Product Specifications:

Sensor Spec

Parameter	Value
Transmit frequency	24.05 ~ 24.25 GHz FCC, CE, KC
Modulation	FMCW (Frequency Modulated Continuous Wave)
Supply voltage	12 ~ 32
Current consumption	300 mA@12V W/O Alarm Out
Power on time	300ms
Detection time	200ms
Communication	CAN-Bus
Operating temperature	~ 40°C~ 85°C
IP protection rate	69K
Vibration	15G
Housing Material	Polycarbonate
Dimension	110(H) x 108(L) x 34(D) mm
Weight	390 g (W/O Bracket) 720 g (With Bracket)

Display Unit

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