



# Radar Object Detection System

Model No: RODS - M10



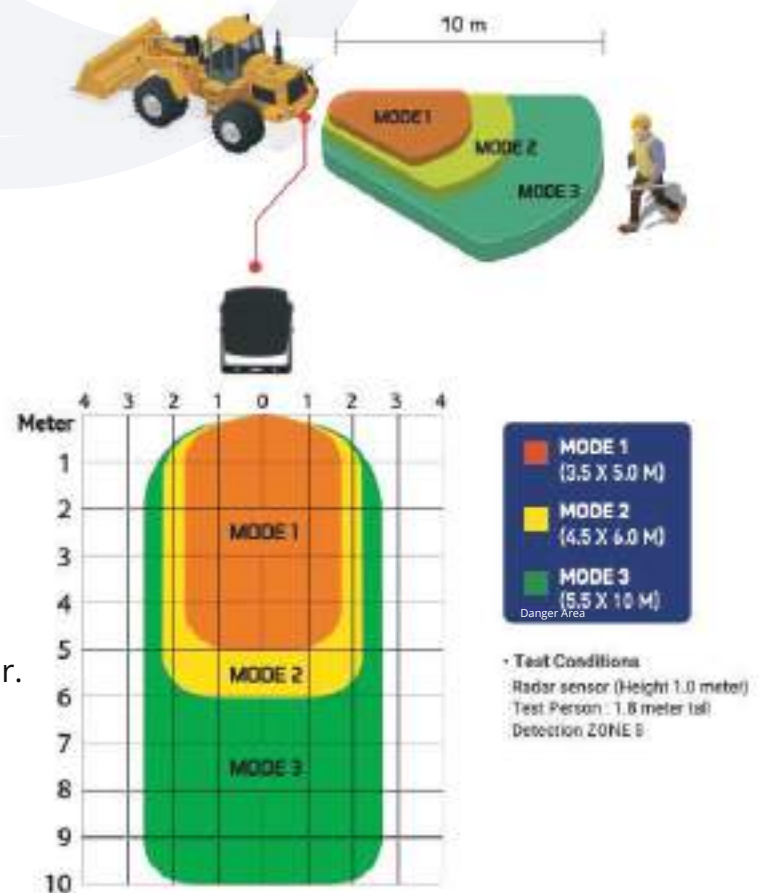
## Product Description:

Introducing the Radar RODS M10 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 10 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 : (3.5 X 5.0 M)
  - Mode 2 : (4.5 X 6.0 M)
  - Mode 3 : (5.5 X 10 M)
- Compact 24GHz Radar sensor
- Modulation: FMCW
- Detection zone : 5 zone
- Provide visual and audible alerts for driver.
- Waterproof and rugged design.



## 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