



Radar Object Detection System

Model No. RODS-L



Product Description:

Introducing the Radar RODS-L 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 4.3 x 4.0 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 : 2.0 (W) x 3.0 (L)
 - Mode 2 : 3.0 (W) x 4.0 (L)
 - Mode 3 : 3.0 (W) x 5.5 (W)
- ☐ Compact 24GHz Radar sensor
- ☐ Modulation: FMCW
- ☐ Detection zone : 3 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
Modulation	FMCW (Frequency Modulated Continuous Wave)
Supply voltage	12 ~ 24V DC
Current consumption	300 mA@12V
Power on time	300ms
Detection time	200ms
Communication	CAN-Bus
Operating temperature	-40°C~ 85°C
IP protection rate	69K
Housing material	polycarbonate
Dimension	43.6(W) x 43.6(H) x 33.1(D) mm
Weight	175 g (W/O Bracket) 240 g (With Bracket)

□ Display Unit

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



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