

# Radar Sensor System

## Radar Object Detection System

### RVS-123

Our Radar Object Detection System addresses heavy equipment-related fatal work injuries that commonly occur in fleets.

This system's frequency-modulated continuous wave radar technology detects stationary objects and people in blind spots to reduce accidents.

The RVS-123 detects objects up to 8 meters (~ 26 feet) away, alerts operators with both visual and audible warnings, and ignores stationary objects after approximately 2 seconds. Its 3 distinct length and width modes make it ideal for multiple vehicle types.

This commercial-grade heavy-duty system features an IP69K waterproof rating for operation in any weather conditions and seamless installation.



#### Radar Sensor Specifications

Transmit frequency	24.05~24.2 GHz
Modulation Type	FMCW (Frequency Modulated Continuous Wave)
Supply voltage	DC 5V
Current Consumption	<100mA
Power Delay	500 ms
Max Detection Range	8m
Communication	RS-485
Operating temperature	-40°C ~ +85°C
Waterproof Rating	IP69K
Vibration Resistance	15 G
Housing material	Polycarbonate
Dimensions	4.3" (H) x 4.2" (L) x 1.3" (D)
Weight	390g w/o bracket 720g with bracket

#### Display Specifications

Detection Zone	3 or 5 Zones
Detection Width	3.5/5.8/7.0 Meter
Detection Length	4.0/6.8/8.0 Meter
Input Voltage	9 ~ 32V
Cable Length	1.5M
Connector	Deutsch or Screw Lock Type
Dimensions	20(W) x 65(L) x 54(H) mm / 0.07" (H) x 1.9" (L) x 2.5" (D)
Weight	220g with Bracket/ 200g w/o bracket



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