

RADSENZ

RDZ2201RL

Description

The RDZ2201RL is a radar sensor for demanding industrial applications. It has a high resistance to shock, water and heat. The operating temperature range is -20°C – +60-65°C. The sensor is IP67 classified.

The device is easy to set up and configure with an internal web interface and provides output through a relay signal to the application.

Overview

- Working range: 0.3 – 50m.
- Opening angle 6°.
- Operating temperature range -20°C – +65°C.
- Detects objects in specific zone.
- Digital output to external (PLC) systems.
- Suitable for distance measurements of all kinds.
- Level measurments.



Technical data

Measurement performance

Measurement Range 0.3 – 50m

Resolution 0.1m

Accuracy 0.025m

Response Time Detection 21ms

Update Frequency 47Hz

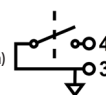
Interface

2.4GHz Wireless Lan Sensor Configuration,
Data Visualization

Digital Output

SSR NO

(Solid State Relay, Normally Open)



Environment

Storage Temperature Range -40°C - +65°C

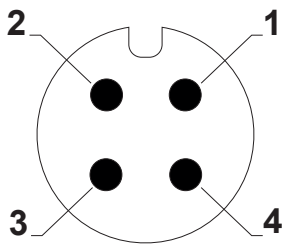
Operation Temperature Range -20°C - +65°C

Technical data

Mechanical and electrical details

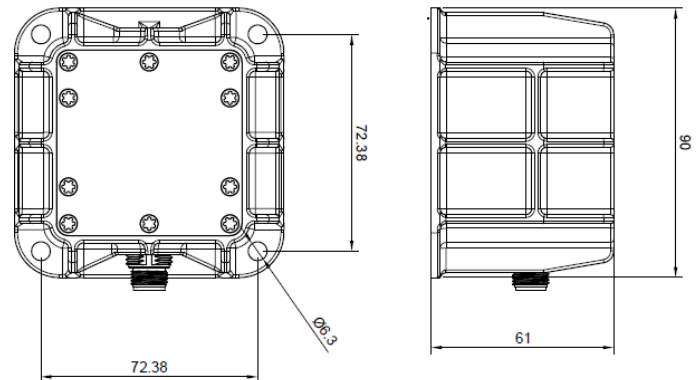
| | |
|-------------------|------------------|
| Voltage Supply | DC 10 - 24V |
| Power Consumption | 2.5W |
| Casing | Plastic |
| Connection Type | M12 4-pin A-code |
| Indication | Multicolor LED |
| Weight | 250g |
| Dimensions | 90x90x61mm |
| Mounting | M6 screws |
| IP Rating | IP67 |

Connection diagram

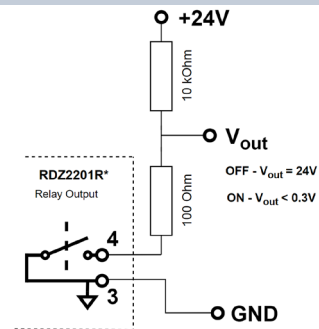


| | |
|----|--------------------|
| 1. | Vin |
| 2. | NC (not connected) |
| 3. | GND |
| 4. | Relay |

Dimension drawing



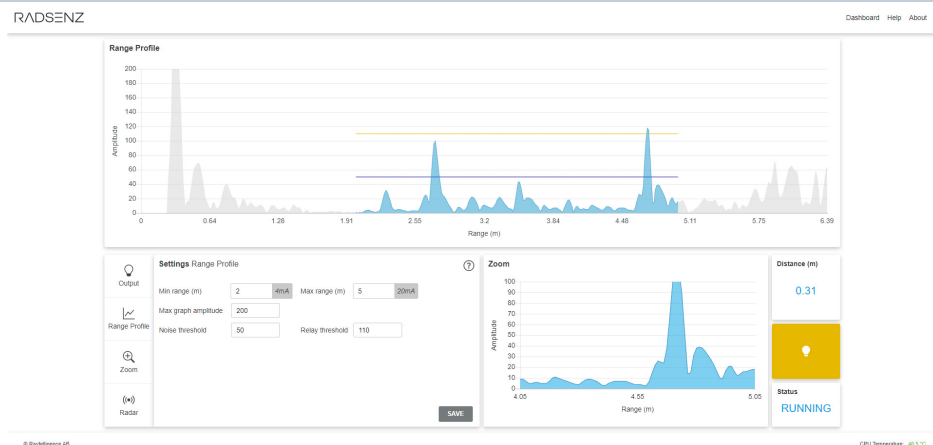
Relay



| | Max | Typical |
|--------------------|---------------------------------|---------|
| V_{relay} | 40 V _{DC} (max 0.4 W) | |
| I | 0.2 A _{DC} (max 0.4 W) | |
| R_{relay} | 10 Ohm | 1 Ohm |

Solid state relay - UL1577 Approved

Graphical interface



For additional information about our products and organization, please visit us at www.raytelligence.com

If you have any questions or ideas for our product that might improve your business, do not hesitate to reach out to us directly at info@raytelligence.com.

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