



## REMOTE OXYGEN DEFICIENCY SAFETY ALARM FOR LOW TEMPERATURES

### Our #1 Oxygen Safety Device

The RAD-0002-ZR Oxygen Deficiency Safety Monitor is designed to detect extremely low concentrations of oxygen in enclosed spaces and to warn occupants of low oxygen levels. This device can also monitor either O<sub>2</sub> depletion or O<sub>2</sub> enrichment, as hazardous concentrations of oxygen (O<sub>2</sub>) in confined spaces are dangerous, and may lead to health problems ranging from headaches and fatigue to asphyxiation and even fatality.

This monitor has both audible and visual alarms, which will alert individuals should hazardous concentrations be present. Detection of low levels of O<sub>2</sub> will also activate relays that can be used for a fan or air-handling system to ventilate the confined space and improve O<sub>2</sub> concentration in the area.

### Features

- Large digital LCD display
- Separate SEU (Main Sensor) and RDU (Remote Display)
- 3 Relay outputs to control ventilation devices
- 4-20mA Outputs - O<sub>2</sub>: 0~25%, Temp: -50°C
- Audible and visual indications at 3 alarm levels
- Ability to add strobes for additional indication
- Automatic barometric pressure compensation

### Accessories

- **CM-1027** | Dual Strobe Add-On Kit
- **CM-0126-5,6** | Strobe Tower Add On Kit

### Applications



Cryogenics



Commercial  
Freezers



Laboratories

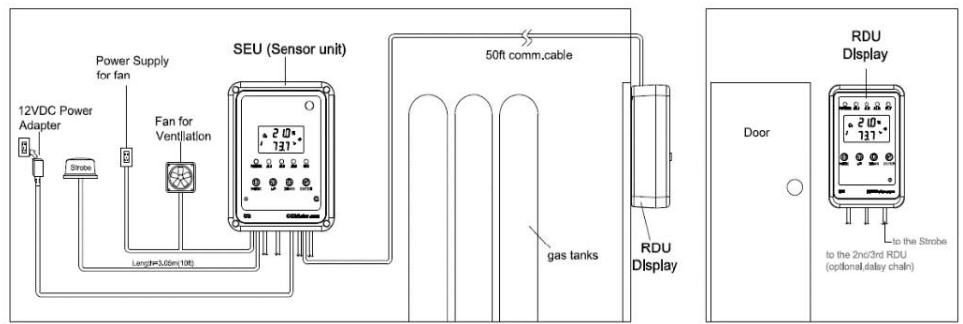


Food  
Production



Process  
Cooling

# TECHNICAL DATA



## Remote Oxygen Depletion Safety Alarm For Low Temperatures

<b>Range</b>	0 - 25% display
<b>Display Resolution</b>	0.1%
<b>Accuracy</b>	Better than 2%FS
<b>Response Time</b>	O2: <2min by 90%
<b>O2 Depletion AL1</b>	18.0%, 18.5%, 19.0%, 19.5%, 20%. The default AL1 is 19.0%
<b>O2 Depletion AL2</b>	16.0%, 16.5%, 17.0%, 17.5%. The default AL2 is 17.0%
<b>O2 Depletion AL3</b>	<b>The AL3 Depletion of O2 is 12%</b>
<b>O2 Enrichment AL1</b>	22.0%, 22.5%, 23.0%, 23.5%. The default AL1 is 22.0%
<b>O2 Enrichment AL2</b>	24.0%, 24.5%, 25.0%. The default AL2 is 24.0%
<b>O2 Enrichment AL3</b>	<b>The AL3 Enrichment O2 is 25%</b>
<b>Operating Temperature</b>	-50°F to -58°F (-45°C to -50°C)

## Electrical and Mechanical Specifications

<b>Power Supply</b>	Output: 12VDC, 2000mA.
<b>Power Input</b>	100~240 VAC, 50/60Hz, 0.6A
<b>Power Consumption</b>	6VDC (5.4V~7.0V), recommended capacity is 12AH
<b>Relays</b>	Peak current for each relay < 2A @ 30VDC or 250VAC & Relay configuration: SPDT
<b>4-20mA Outputs</b>	CL01:420mA O2: 0~25%   CL02:420mA Temp: 32 to 122° F (0-50°C)
<b>Mounting Height</b>	60-72 inches from floor height



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