



REMOTE OXYGEN DEFICIENCY SAFETY ALARM

Our #1 Oxygen Safety Device

The RAD-0002-ZR Oxygen Deficiency Safety Monitor is designed to detect oxygen in enclosed spaces and to warn occupants of low oxygen levels. Storing gases in a confined space is dangerous and can displace the oxygen in the room, an oxygen deficient atmosphere 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 O₂ will also activate relays that can be used for a fan or air-handling system to ventilate the confined space and improve O₂ 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 - O₂: 0~25%, Temp: -50°C
- Audible and visual indications at 3 alarm levels
- Ability to add strobes for additional indication
- 1,500 sq. ft. coverage area

Accessories

- **CM-1027** | Dual Strobe Add-On Kit
- **CM-0126-5,6** | Strobe Tower Add On Kit
- **CM-1029** | Industrial Strobe Siren

Compliance

- **IFC 2021 Edition**
- **NFPA 55**
- **NBIC**
- **OSHA/NIOSH**

Applications



Cryogenics



**Commercial
Freezers**



Laboratories



**Food
Production**



**Process
Cooling**

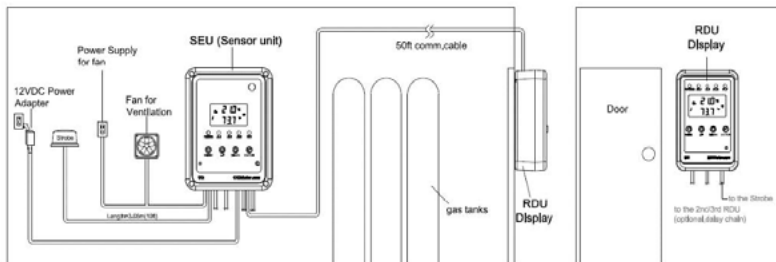
TECHNICAL DATA

Remote Oxygen Depletion Safety Alarm

Range	0 - 25% display
Display Resolution	0.1%
Accuracy	Better than 2%FS
Response Time	O ₂ : <2min by 90%
O₂ Depletion AL1	15.5%, 16%, 16.5%, 17%, 17.5%, 18.0%, 18.5%, 19.0%, 19.5%, 20%. The default AL1 is 19.5%
O₂ Depletion AL2	12.5%, 13.0%, 13.5%, 14.0%, 14.5%, 15%, 15.5%, 16.0%, 16.5%. The default AL2 is 16.5%
O₂ Depletion AL3	The AL3 Depletion of O ₂ is 12%
Operating Temperature	-50°F to 128°F (-50°C to 50°C)

Electrical and Mechanical Specifications

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



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