

# Remote Oxygen Depletion Safety Alarm (RAD-0002)



## About

The RAD-0002 Remote Oxygen Storage Safety Alarm is designed to detect oxygen depletion in enclosed spaces and to warn occupants of low oxygen levels. Low 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 death. This monitor has both audible and visual alarms which activate when the O<sub>2</sub> concentration is lower than the pre-set alarm levels. 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

- Separate SEU (*Main Sensor Unit*) and RDU (*Remote Display Unit*) allow you to see warning before entering an enclosed area. Up to 3 **RDU**s can be daisy chained.
- Large digital LCD display clearly indicates the ambient O<sub>2</sub> concentration.
- 3 Relay outputs to control ventilation devices.
- Audible and visual alarm indications at three separate alarm levels. Ability to add strobes for additional indication.
- Automatic barometric pressure compensation for high altitude use.

## Applications

- Cryogenics
- Cryotherapy
- Food Production Facilities
- Process Cooling
- Any enclosed space storing inert gases

## Accessories

- **CM-1026** | Dual Strobe Add On Kit
- **CM-0126-5,6** | Strobe Tower Add On Kit
- **RAD-0022** | Additional Remote Display

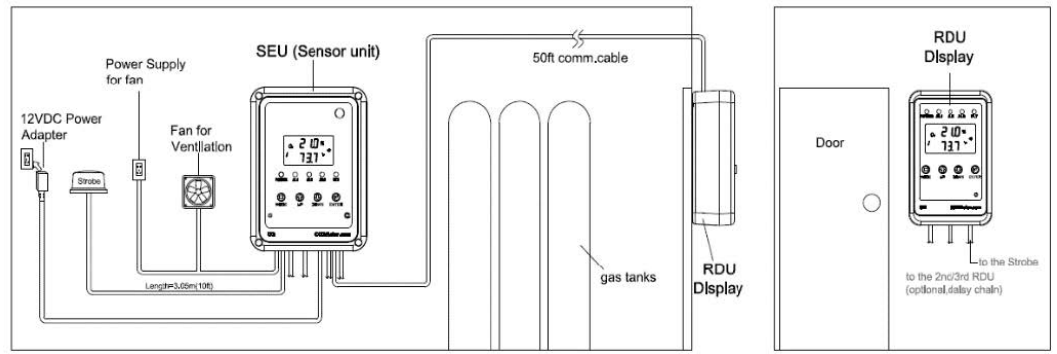


## FUN FACT!

You can extend the remote up to **300 feet** from the main unit, allowing for more *flexibility* with your monitoring needs.

# RAD-0002

## Remote Oxygen Depletion Safety Alarm



<b>Range</b>	0 - 25% display
<b>Display Resolution</b>	0.1%
<b>Accuracy</b>	Better than 2%FS
<b>Temperature Range</b>	32°F to 122°F (0°C to 50°C)
<b>Response Time</b>	O2: <2min by 90%
<b>O2 AL1</b>	18.0%, 18.5%, 19.0%, 19.5%, 20.0%. <i>The default AL1 is 19.0%.</i>
<b>O2 AL2</b>	16.0%, 16.5%, 17.0%, 17.5%. <i>The default AL2 is 17.0%</i>
<b>Operating Temperature</b>	32°F to 122°F (0°C to 50°C) <b>For Storage: -4°F to 140°F (-20°C to 60 °C)</b>

## Electrical and Mechanical Specifications

<b>Power Supply</b>	<i>Output: 12VDC, 2000mA.</i>
<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 & <b>Relay configuration: SPDT</b>

## Models

<b>RAD-0002</b>	Remote Oxygen Depletion Safety Alarm
<b>CM-1026</b>	Dual Strobe Add On Kit
<b>RAD-0022</b>	Additional Remote Display (Supports up to 3 total)



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