

RAD-0102-6

REMOTE CO₂ STORAGE SAFETY 3 ALARM



Our #1 CO₂ Remote Storage Safety Device

The Remote CO₂ Storage Safety 3 Alarm detects carbon dioxide (CO₂) levels in ambient air. This protects employees and guests from potentially hazardous gas concentrations. The RAD-0102-6 features audible and visual alarms that can trigger three individual relays. These relays can trigger third-party devices like exhaust systems and fire panels. Ensure the safety of your employees and guests as well as the compliance of your facility with the CO₂ Storage Safety 3 Alarm.

Features

- LCD display clearly indicates current CO₂ level in ppm or % and temperature
- 3 alarms/relays
- Relays can automatically control ventilation fans or signal a fire alarm panel
- Meets **NFPA**, **IFC**, and **NBIC** requirements
- Meets **OSHA** and **NIOSH** TWA standards
- IP54 Enclosure
- UL listed for compliance

Accessories

- CM-1026 | Dual Strobe Add-On Kit
- RAD-0104 | Additional Remote Display
- CM-1026-5,6 | CO₂ Storage Safety Strobe Tower
- SV-1026 | Solenoid Shut-off Valve

Applications

- Restaurant & Food
- Breweries and Wineries
- Beverage Dispensing
- Agriculture
- Safety



FUN FACT

The RAD-0102-6 not only meets the **NFPA 55** and **National Board Inspection Code**, it also meets international codes such as United Kingdom (**COSHH**) and Australia **AS5034 -2005** concerning installation and use of inert gases for beverage dispensing.

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Remote CO2 Storage Safety 3 Alarm

CO₂ Measurement Range	0-5% (0-50,000 ppm)
CO₂ Measurement	NDIR (Non-dispersive Infrared)
Alarms	5,000 TWA, 1.5% (user configurable), 3% (user configurable)
Measurement Interval	2 seconds (0.5 Hz)
Operating Temperature	32-122° F (0-50° C)
Calibration	Zero with Nitrogen or Factory Calibration
Connections	Standard RJ45
Sensor Life Expectancy	>15 years

Electrical and Mechanical Specifications

Power Supply	110-220 VAC 50/60 Hz to 12 VDC power adapter
Power Input	4.5-5.25 VDC
Power Consumption	3 Watts
Hard-Wired	24 VDC hard-wired option (cable included)
Output	4-20 mA

Alarms & Relays

Response Time	<60 seconds
Alarm Level	88 dB
Relay Power	Peak current <2A @ 30 VDC or 250 VAC, SPDT
Relay Color Coding	Red & White: Normally Open, Blue & White: Normally Closed



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