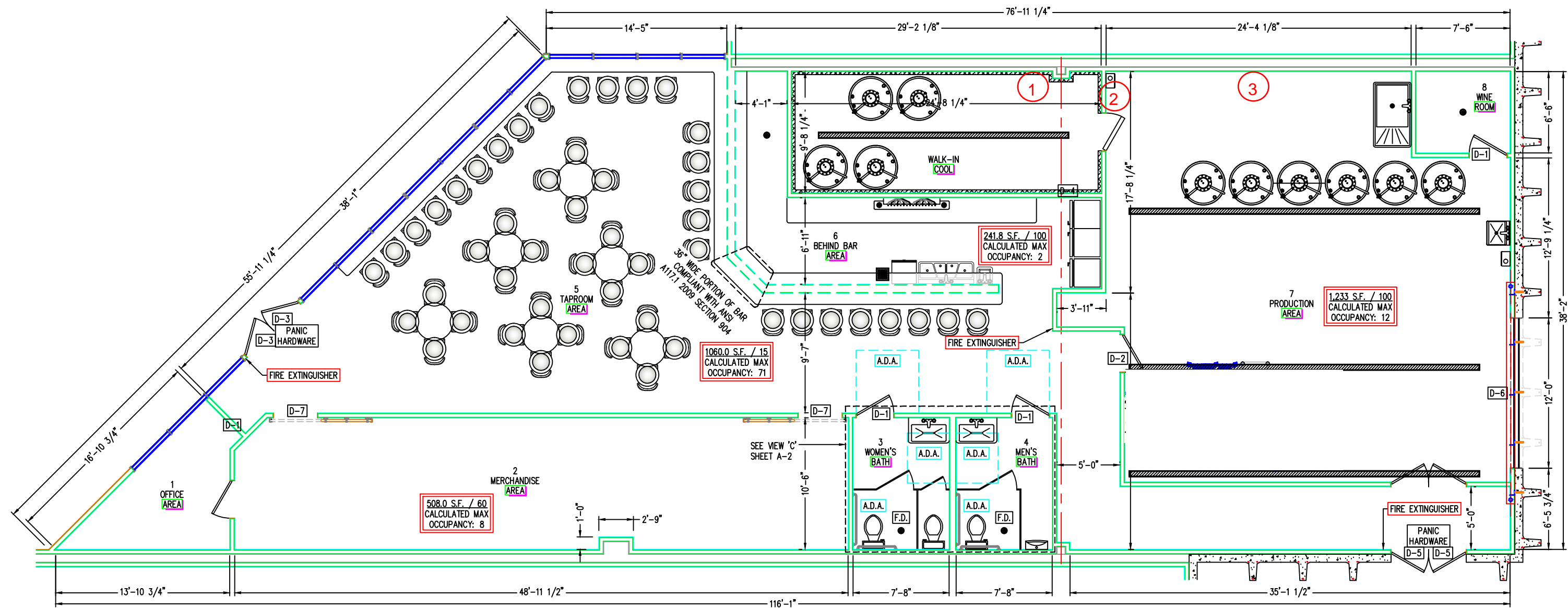


# **Carbon Dioxide Monitoring and Alert Information Package**

1. Monitor layout
2. Example of bulk tank from neighboring business
- 3-4. RAD-0102-6 Data sheets
5. Ecoey Detection Monitor Data Sheet

- ① RAD-0102-6 Sensor/alarm installed 18" above finished floor (see attached data sheets)
- ② RAD-0102-6 Remote display/alarm installed at exterior entrance of cooler (see attached data sheets)
- ③ Ecoey CO2 Detector Monitor Indoor Carbon Dioxide Temperature and Humidity Detector to be mounted 18" above finished floor (see attached data sheets).



Bulk tank to be provided and maintained by gas distribution company.  
Example photo showing bulk tank behind the building of a tenant a few doors down from our location in the same building complex.  
We intend to rent our bulk tank from the same supplier, M&H gas.  
We intend to match this installation.



# RAD-0102-6

## REMOTE CO<sub>2</sub> STORAGE SAFETY 3 ALARM



### Our #1 CO<sub>2</sub> Remote Storage Safety Device

The Remote CO<sub>2</sub> Storage Safety 3 Alarm detects carbon dioxide (CO<sub>2</sub>) 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 CO<sub>2</sub> Storage Safety 3 Alarm.

### Features

- LCD display clearly indicates current CO<sub>2</sub> 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 | CO<sub>2</sub> 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.

# RAD-0102-6

## Remote CO2 Storage Safety 3 Alarm

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

## Electrical and Mechanical Specifications

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

## Alarms & Relays

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



Call 1.877.678.4259  
Email [Sales@CO2Meter.com](mailto:Sales@CO2Meter.com) | [Support@CO2Meter.com](mailto:Support@CO2Meter.com)  
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Last Update: 1-4-2021

# HIGH PRECISION

## REAL-TIME DISPLAY

CO<sub>2</sub> Detection  
detection accuracy  $\pm (50\text{ppm}+5\%)$



Temperature detection  
detection accuracy  $\pm 0.5^{\circ}\text{C}$  or  $0.9^{\circ}\text{F}$



Humidity detection  
detection accuracy  $\pm 5\% \text{ RH}$



Ecoey CO<sub>2</sub>  
Detector Monitor  
Indoor Carbon  
Dioxide  
Temperature  
and Humidity  
Detection, Air  
Quality Monitor  
Automatic  
Calibration with  
LED Real-Time  
Display for  
School Office  
Home

【Combo Detection】The CO<sub>2</sub> detector can monitor ventilation effect. When the temperature/humidity/CO<sub>2</sub> concentration is too high, the voice prompts will be issued and LED turns red timely. LED shows green in normal working, yellow in early warning mode

【High Precision】The air quality monitor is equipped with high-performance chip, infrared sensor. CO<sub>2</sub> measurement range is 400 ~ 5000 PPM( $\pm 50\text{ppm}+5\%$ ) , Temperature range is  $-5^{\circ}\text{C} \sim 50^{\circ}\text{C}$  or  $23^{\circ}\text{F} \sim 122^{\circ}\text{F}$  ( $\pm 0.5^{\circ}\text{C}$  or  $0.9^{\circ}\text{F}$ ) , Humidity measurement range is 0.0% ~ 99.9%RH( $\pm 5\% \text{ RH}$ )

【Power Storage】The carbon dioxide detector uses 12V AC power adapter. In the event of a sudden power failure, the backup battery of the CO<sub>2</sub> meter can last for 12 hours, which is equipped with a low battery prompt

【Portable Use】Portable size for easy carry, please place CO<sub>2</sub> monitor in indoor places such as houses, factories, warehouses, schools, RV, hotels, etc. You can directly view CO<sub>2</sub>, temperature and humidity data on the LED screen to protect your health, especially suitable for the old and children

【Humanized Design】The LED screen of the CO<sub>2</sub> detector will automatically adjust the brightness according to the scene, and you can switch temperature unit ( Celsius/Fahrenheit ) and intelligent voice language (supports English, German, French, Italian, Spanish, Dutch) according to needs