

ZG10U

High concentration of CO₂ may lead to health problems ranging from Headaches and Fatigue to Asphyxiation and Death



Wall Mount CO₂ Monitor Ensure the Safety of Storage Areas

- Dual Beam NDIR (Non-Dispersive Infrared) technology is used to measure CO₂ concentration up to 50,000 ppm (parts per million)
- With the SEU (Sensor Unit) and RDU (Remote Display Unit), it can connect up to 3 RDU for safety notices
- Large digital LCD display clearly indicates the ambient CO₂ Concentration and Temperature
- Relay output can automatically control a fan to ventilate confined spaces
- Audible and Visual Alarm indications
- IP54 Water Proof Protection of SEU (Sensor Unit) except backside when installed on the wall



Breweries / Wineries



Cellars

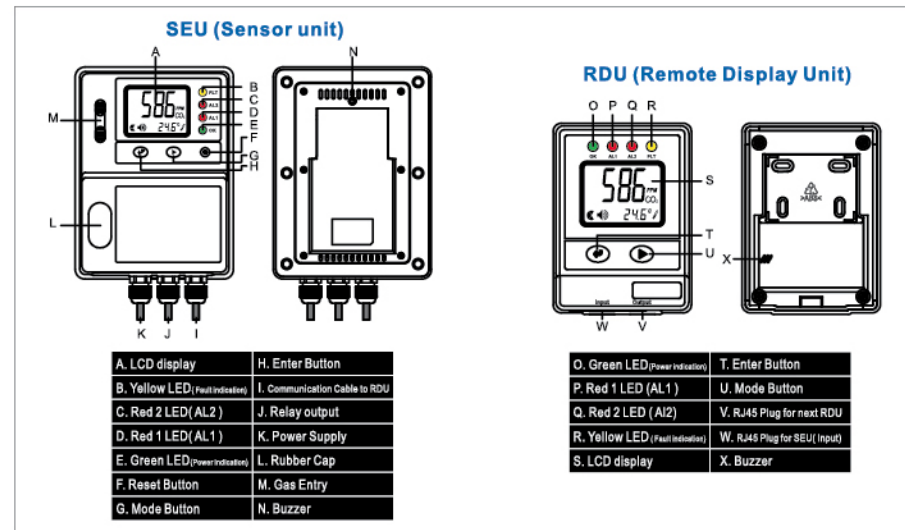
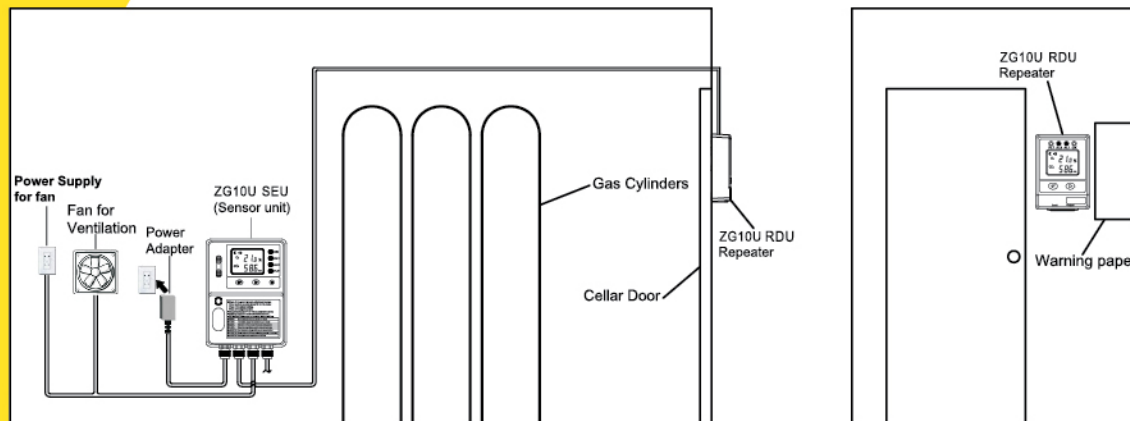


Beverage Dispensing Areas



Fast Food Outlets

ZG10U are with the audible alarm and visual indication which will activate when CO2 concentration reaches the pre-set level. Detection of high levels of CO2 will also activate a relay that could be used for a fan to ventilate the confined space and reduce CO2 concentration in the area. ZG10U can be widely used in CO2 storage areas, breweries, wineries, cellars, beverage dispensing areas, and fast food outlets.



Specifications

■ Performance-CO2 Channel

Measurement Range	0 - 50,000 ppm (5%) display
Resolution	10ppm at 0~10,000ppm, 100ppm at 10,001ppm~50,000ppm
Accuracy	±100 ppm or ±5% of reading whichever is greater
Repeatability	±20 ppm @400ppm
Annual Drift	<20 ppm/Year@400ppm
Temperature Dependence	±0.2% of reading per °C or ±2 ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mm Hg
Response Time	<60 seconds for 90% response to step change
AL1 (First Alarm Level)	5000ppm, 1 / 1.5 / 2 %, Default AL1= 1.5%
AL2 (Second Alarm Level)	1.5 / 2 / 2.5 / 3 / 3.5 / 4 %, Default AL2= 3%
Sound Alarm	80db@10cm
Warm-Up Time	<60 seconds at 22°C

■ Temperature Specification

Temperature Range	0 ~ 50°C (32 ~ 122°F)
Display Resolution	0.1°C (0.1°F)
Display Options	°C/°F
Accuracy	±1°C(±2°F) when CO2 concentration is below first alarm level
Response Time	20-30 minutes (case must equilibrate with environment)

■ General Operating Conditions

Operating Temperature	0~40°C (32~104°F),
Humidity Range	0-95%RH, non-condensing
Storage Temperature	-20 ~ 60°C(-4~140°F)

■ Power Supply & Relay Output

Power Supply	AC adapter 110/220 VAC	
AC Input	Voltage	100 ~ 240 VAC
	Frequency	50 / 60 Hz
	Power Requirement	1 W maximum @ 115 VAC 60 Hz 2 W maximum @ 230 VAC 50 Hz
AC/DC Output	Voltage	6VDC
	Power	3.0 W
Peak Input Current	0.5 A from 6 VDC	
Relay Output	30 VDC or 250 VAC, max 2A, SPST, Normally Open	

Specifications are subject to change without notice.

INNOVATION
RADIANT

1F, No.3, Industrial E. 9th Rd., Science-Based Industrial Park,
HsinChu, Taiwan 300
TEL: +886-3-6111666 or 5644185 FAX: +886-3-5644170
www.ZyAura.com E-mail: Info@ZyAura.com
www.ZyTemp.com E-mail: Info234@ZyTemp.com
www.radiantek.com.tw E-mail: MKT@radiantek.com.tw