



## RI-600 Stand Alone Carbon Dioxide Monitor

- Operates with or without a controller
- Long life NDIR sensor
- Large easy to read digital display
- Two power options: 115VAC, 24VDC
- Compact wall mount design
- Tri-color visual alarm display



## Specifications

### Model RI-600 Specifications

Detection Principle	Non-Dispersive Infrared				
Gas Detected	Carbon dioxide (CO <sub>2</sub> )				
Detection Range	0 – 2,000 ppm	0 – 5,000 ppm	0 – 10,000 ppm	0 – 2% Vol.	0 – 5% Vol.

Display Resolution	0 – 2,000 ppm: 1 ppm	0 – 2,000 ppm: 1 ppm 2,000 – 10,000 ppm: 10 ppm		0 – 2% Vol.: 0.005% Vol.	0 – 2% Vol.: 0.005% Vol. 0 – 5% Vol.: 0.010% Vol.
Alarm Points (adjustable)	1st: 1,000 ppm 2nd: 2,000 ppm	1st: 1,000 ppm 2nd: 5,000 ppm	1st: 1,000 ppm 2nd: 5,000 ppm	1st: 0.5% Vol. 2nd: 2.0% Vol.	1st: 0.5% Vol. 2nd: 3.0% Vol.
Sampling Method	Diffusion				
Indication Accuracy	Within $\pm 5$ % of full scale (to the gas concentration signal output)				
Response Time	90% response (T90) within 60 seconds				
Gas Alarm Type	Two-step alarm (H-HH)				
Alarm Display	First: Backlight LED is orange, buzzer Second: Backlight LED is red, buzzer				
Alarm Pattern	Auto-reset				
Alarm Contact	No-voltage contact 1a or 1b and normally de-energized (energized in response to an alarm)				
Display	LCD digital display (Five – digit, seven segment / green, orange and red backlight) *No backlight by standard setting				
Trouble Alarm / Self-Diagnosis	System abnormalities / sensor connection abnormalities				
Trouble Alarm Display	Backlight LED flashes orange, buzzer *No backlight and no buzzer by standard setting				
Trouble Alarm Pattern	Auto-reset				
Relay Contact Rating	125 VAC – 1A or 30 VDC – 1 A (resistance load) 0 VAC $\pm 10\%$ (50/60 Hz) or, 24 VDC $\pm 10\%$				
Approval	CE marking standard				
Output Signal	4~20 mA DC (no-insulation/load resistance under 300 $\Omega$ )				

Power Sources	110 VAC $\pm$ 10% (50/60 Hz) or 24 VDC $\pm$ 10%
Power Consumption	AC specification: Max. 6VA DC specification: Max. 4W
Operating Temperature	32 ~ 104°F (0 ~ 40°C) (At a constant conditions)
Operating Humidity	Below 90% RH (Non-condensing)
Mounting Equipment	Wall mounting type (by using accessory mounting plate or mount at one switch box) Cable inlet: Up, down and left/right, or rear side
Dimension	Body: approx. 3.15"(W) x 4.72"(H) x 1.2"(D) (80(W) x 120(H) x 35.5(D)mm)
Weight	AC specification: approx. 7.05 oz (200g), DC specification: approx. 6.34 oz (180g)
Warranty	One year materials and workmanship