Carbon Dioxide Transmitter& Detector

Model: GAS-CO2-0XX-A Series

CE Approval

GasAlarm

Gasalarm Systems

http://www.gasalarm.com.au

□ Features

- Real-time detecting CO2 level.
- NDIR infrared CO2 module inside with four CO2 detection range selectable.
- CO2 sensor has Self-Calibration Algorithm and 15 years lifetime
- Wall-mounting
- Providing one analog output with voltage or current selectable
- 0~10VDC/4~20mA selectable easily via jumpers
- Design for HVAC, ventilation systems, offices, or other public places.
- CE-Approval

GAS-CO2-0XX-A Series

□ Specifications

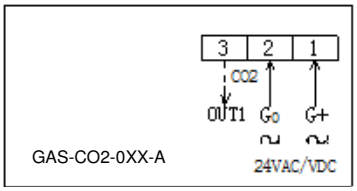
Gas detected	Carbon Dioxide (CO_2)
Sensing element	Non-Dispersive Infrared Detector (NDIR) , Gold Plated IR waveguide (Dual Beam Infra-Red)
Accuracy@25°C(77°F),2000ppm	±40ppm + 3% reading
Stability	<2% of FS over life of sensor (15 yr typical)
Calibration interval	ABC Logic Self Calibration System (Automatic Background Calibration)
Response time	<2 minutes for 90% step change
Warm up time	24 hours (first time) 10 minutes (operation)
CO_2 measuring range	0～2,000ppm (std) / 0～50,000ppm (std) (opt: 0～5,000ppm or 0～20,000ppm) selectable in orders
Power supply	24VAC/24VDC
Consumption	1.5 W max. ; 0.8 W avg.
Analog outputs	0~10VAC or 4~20mA selectable by jumpers
Flow rates	80 ~ 120 cc/min
Operation conditions	0~50°C (32~122°F); 0~95%RH, non condensing
Storage conditions	-40~70°C (-40~158°F)
NDIR life	15 years

Net weight	180g
Dimensions	100mm×80mm×28mm
Installment standard	65mm×65mm or 2”×4”wire box
Wiring Connection	Wiring terminals or the power plug(optional)
Standard Approval	CE-Approval

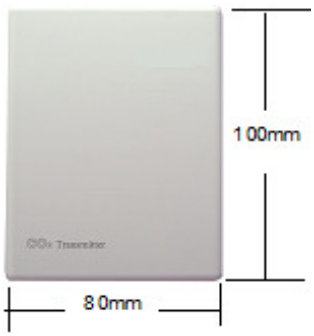
□ Models Guide

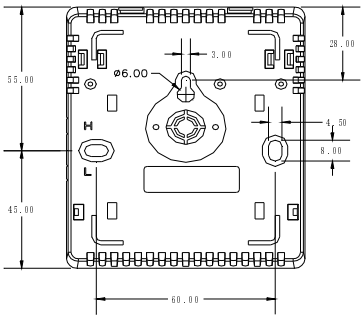
Type	Model	Description
CO2 transmitter (1xanalog output)	**GAS-CO2-002-A**	1Xanalog output, CO2 range: 0~2000ppm
	GAS-CO2-005-A	1Xanalog output, CO2 range: 0~5000ppm
	GAS-CO2-020-A	1Xanalog output, CO2 range: 0~20000ppm
	GAS-CO2-050-A	1Xanalog output, CO2 range: 0~50000ppm

□ Wiring Diagram



□ Mounting





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