

Carbon Monoxide Monitor & Controller



Product No: GX-CO Series

Applications

- Underground parking lots
- BMS systems
- Public places monitoring and warning
- All ventilation control systems

Features

- Real-time monitoring air Carbon Monoxide concentration with optional temperature and humidity detection.
- Display real-time CO measurement values and 1-hour average
- Carbon monoxide module replaceable, longer than 5 years of sensor life
- 1x 0- 10V or 4-20mA analog linear output for CO measured value
- 2 on/off relay outputs for CO and temperature control
- Modbus RTU or BACnet -MS/TP communication optional
- Buzzer alarm for setpoint of carbon monoxide
- Zero calibration operation
- Provides powerful setting functions for different control requirements
- 24VAC/VDC power supply

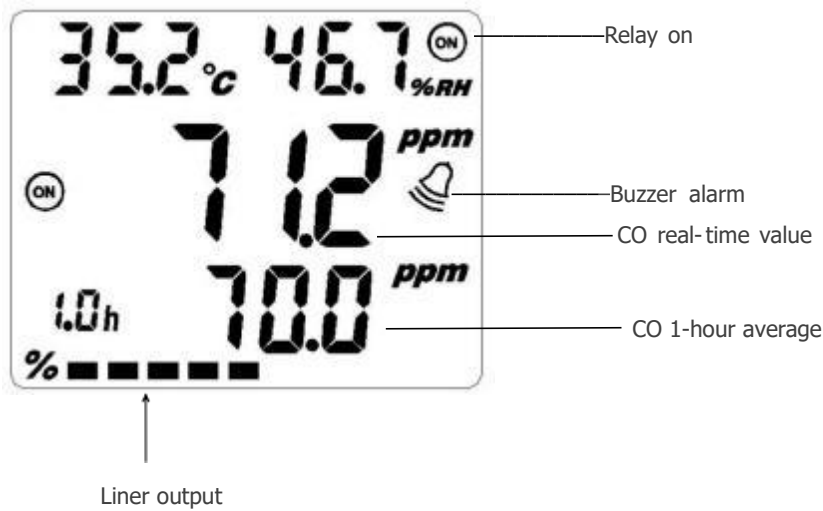


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Display



Applications



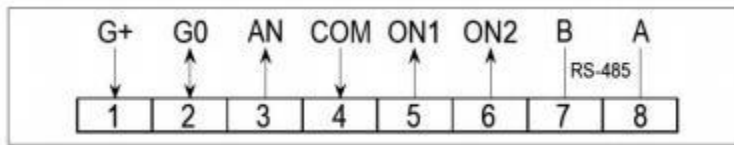
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Specifications

General Data	
Power Supply	24VAC/VDC±20%
Power Consumption	3.2W
Connection Standard	Wire cross-sectional area<1.5mm ²
Operating Environment	-20-60C, 0~95%RH
Storage Environment	0-60C/ 0~90% RH, non-condensing
Dimension/Net Weight	150mm(L) ×90mm(W) ×42mm(H)
Manufacturing Standard	ISO 9001
Housings and IP class	PC/ABS fire-proof material; IP30 protection class
Design Standard	CE-EMC Approval

Sensor	
CO Sensor	Figaro electrochemical sensor
Sensor Lifetime	More than 5 years Replaceable sensor module
Warm Up Time	120 seconds(daily use) Recommend 24 hours continuous power on to ensure data stabilityf or the first time usage or for the reusage after long-term power off
Response Time	< 120 seconds
Signal Refreshing	One second
CO Range (Optional)	0- 100ppm(Default)/0-200ppm/0-300ppm/0-500ppm
Accuracy	< 1ppm±3%
Stability	±5% (over 900 days)
Temperature Sensor(Optional)	Capacitive sensor
Measuring Range	-20 C-60 C
Accuracy	±0.5C (10~40C)
Display Resolution	0.1 C
Stability	±0.1C/year
Outputs	
LCD Display(Optional)	Display real-time measured values of carbon monoxide and temp.Humidity if optional
Analog Output	1x0- 10VDC/4-20mA linear output for CO measured value
Analog Output Resolution	16Bit
Relay Dry Contact outputs	One or two on/off relay outputs, max current 5A (230VAC/30VDC), Resistive load separately controls CO and Temperature
RS485 Communication (Optional)	.Modbus RTU, communication baud:9600bps(Default) .BACnet MS/TP optional, communication baud:9600bps(Default) 15KV anti-static protection
Red Backlight Alarm	LCD will be red after CO concentration exceeds the alarm setpoint
Buzzer Alarm	Buzzer alarm once CO concentration exceeds the alarm setpoint The alarm can be temporarily turned off manually
Zero Calibration	
Combination buttons to operate	Place the GX-CO in an environment with carbon monoxide being zero, press the combination buttons to perform zero point calibration

Wiring Diagrams



Models Guide

Models		Descriptions
Carbon Monoxide Monitor and Controller	GX-CO- 100	1x0~ 10V / 4~20mA liner output for CO value
	GX-CO- 110	1x0~ 10V / 4~20mA liner output for CO value 1x on/off relay output for CO concentration control
	GX-CO- 111	1x0~ 10V / 4~20mA liner output for CO value 1x on/off relay output for CO by control a fan Modbus RS485 interface
	GX-CO- 120	1x0~10V / 4~20mA liner output for CO value 2x on/off relay output to control CO and temperature or control a 2-speed fan
	GX-CO-001	Modbus RS485 interface
	Suffix -T	Temperature detection
	Suffix -TH	Temp. & RH detection
	Last suffix	CO measurement range

Notice:

Last suffix means CO range selection

- 001: 0~100ppm (default)
- 002: 0~200ppm
- 003: 0~300ppm
- 005: 0~500ppm



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