

Carbon Monoxide Monitor



Product No: G02-CO

Precision CO Monitoring

Replaceable Figaro Sensor | 5+ Year Lifespan

Smart Display | CO ppm, Temp & Humidity

Tri-Color Alert | Visual Status at a Glance

Flexible Control | Relay, 0-10V/4-20mA & RS485



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www.iaqtongdy.com

info@tongdy.com

Features

Dual Monitoring: Simultaneously tracks Carbon Monoxide (CO) levels and ambient temperature/humidity.

Premium Sensing Core: Equipped with a high-quality Figaro electrochemical sensor, ensuring high accuracy and a stable service life of over 5 years.

Modular Design: Features a replaceable CO sensor module, significantly reducing long-term maintenance costs.

Visual Status Alert: A tri-color LED indicator provides instant visual warnings corresponding to three distinct CO concentration ranges.

Flexible Output Options: Supports standard analog outputs (0–10V / 4–20mA) and an isolated On/Off relay output for HVAC integration.

Digital Connectivity: Optional RS485 Modbus interface available for BMS/BAS integration.

User-Friendly Display: Integrated LCD screen displays real-time CO PPM, temperature, and humidity readings.

Configurable Alarm: Optional audible buzzer with adjustable setpoints for customized safety thresholds.

Field Calibration: Supports on-site zero-point calibration to ensure sustained measurement accuracy.

Applications



- Monitoring and warning carbon monoxide and smoking
- Ventilation systems
- BAS systems
- Offices, schools and other public places
- Wall mount

Specifications

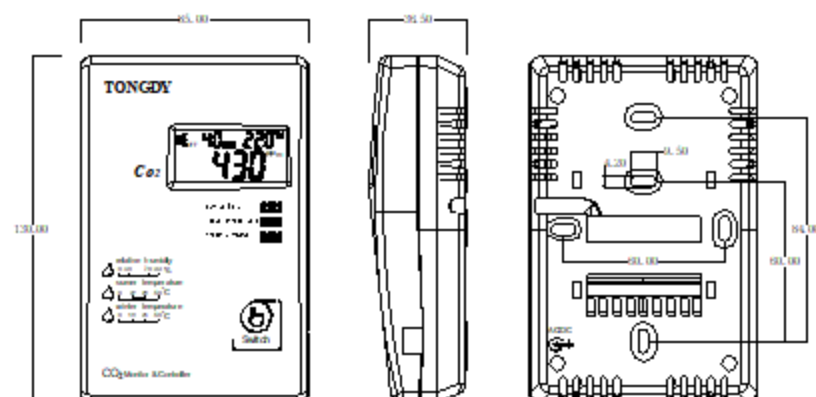
General		
Power Supply	12VDC,24VAC/VDC, 220VAC, 100~240VAC	
Power Consumption	2.8W	
Installation Standard	65mm×65mm or 85mmX85mm or 2"×4" wire box	
Operating Environment	-20-60℃, 0~95%RH,non-condensing	
Storage Environment	-5-50℃/ 0~85%RH	
Dimension/Net Weight	130mm(L)×85mm(W)×36.5mm(H) 190g	
Housings and IP class	PC/ABS fire-proof material, IP30 protection class	
Design Standard	CE-EMC Approval	
Sensor		
CO Sensor	Figaro electrochemical sensor Replaceable sensor module	
Sensor Lifetime	Five years and replaceable	
Warm Up Time	60 minutes(First use),1 minute(daily use)	
Response Time(T90)	<130 seconds	
Signal Refreshing	One second	
CO Range (Optional)	0-100ppm(Default)/0-200ppm/0-300ppm/0-500ppm	
Accuracy	<±1 ppm+ 5% of reading (20℃/ 30~60%RH)	
Stability	±5% (over 900 days)	
Sensor Fault	LCD shows sensor error when CO sensor not detected	
Zero Calibration	On-site CO sensor Zero Calibration procedure	
Temperature & Humidity Sensor	Temperature	Humidity
Measuring Range	-20℃~60℃	0~100%RH
Accuracy	±0.5℃ (20~40℃)	±4%RH (25℃, 40%-60%RH)
Stability	±0.1℃/year	1%RH/year
Outputs		
Relay Dry Contact output	1xrelay output to control a ventilator or air purifier, max current 5Aresistance (220VAC)	
Analog Output	1x0-10VDC(default)/4-20mA linear output for CO measured value	
Analog Output Resolution	16Bit	

RS485 Communication	Modbus RTU, Communication Baud: 9600bps(Default) 15KV anti-static protection
LCD Backlit	Green — CO $\leq$ 25ppm Orange — 25ppm<CO<70ppm Red — CO $\geq$ 70ppm
Buzzer Alarm	The buzzer ringing once CO concentration exceeds the alarm setpoint

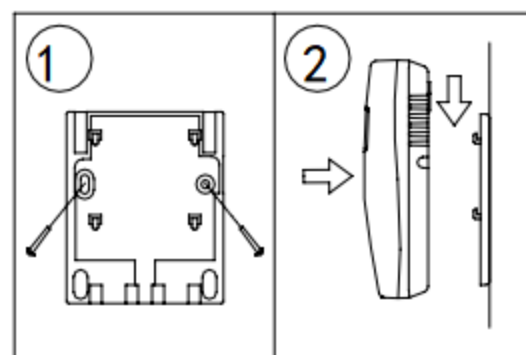
Models

Model	Name	Description	Power
G02-CO-B340C/G	CO controller	Three-color backlit LCD, 1 on/off output	C-24VAC/VDC G-12VDC
G02-CO-B340A/D	CO controller	Three-color backlit LCD, 1 on/off output	A-220VAC D-100~240VAC
G02-CO-B310C/G	CO monitor	Three-color backlit LCD, Modbus RS485 interface	C-24VAC/VDC G-12VDC
G02-CO-B310A/D	CO monitor	Three-color backlit LCD, Modbus RS485 interface	A-220VAC D-100~240VAC
G02-CO-B350C	CO transmitter	Three-color backlit LCD, 1x analog linear output.	24VAC/VDC
G02-CO-B380A/D	CO controller	Three-color backlit LCD, 1 on/off output; Modbus RS485 interface	A-220VAC D-100~240VAC
G02-CO-B370C	CO transmitter	Three-color backlit LCD, 1x analog linear output. Modbus RS485 interface	24VAC/VDC
921	Backplate		

Mounting and Dimensions



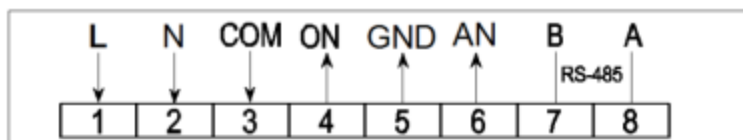
Wall mounting with backplate





Wiring Diagrams

G02-VOC-3XXA/D



G02-VOC-3XXC/G

