

G02-CO-B3 SERIES

Carbon Monoxide Monitor / Alarm

1xOn/Off output optional, RS485 Optional

Three-color LCD backlit Optional, Desktop or Wall Mounting

- ◆ Real time carbon monoxide detection and alarm
- ◆ Temperature and humidity detection and display optional
- ◆ Buzzer alarm for two CO levels
- ◆ Three-color backlit LCD
- ◆ Provide 1 xon/off output to control a ventilator
- ◆ High quality technics, elegant appearance, CE-approval
- ◆ Wall mounting type and desktop type

□ Features

- ◆ Real time monitoring carbon monoxide level with range from 0 to 500ppm.
- ◆ Semiconductor sensor with 5 years long lifetime
- ◆ Three-color (green/yellow/red) LCD backlit
- ◆ Temperature and humidity detection and display optional
- ◆ Preset the first and the second alarm levels for measured carbon monoxide with a buzzer alarm
- ◆ Provide 1xOn/Off relay output to control a ventilator
- ◆ Provide four setpoints of CO to control the relay action
- ◆ Modbus RS-485 communication interface optional, 15 KV antistatic protection, independent address setup
- ◆ High quality technics and elegant appearance, best choice for home and office
- ◆ 220VAC or 24VAC/VDC power selectable; power adaptor available; desktop and wall mounting type available
- ◆ Wall mounting type and desktop type selectable
- ◆ CE-approval

□ Application

Carbon monoxide is a deleterious gas with colorless and odorless character , which could be absorbed by lung quickly, the speed rate of combination of CO and hemoglobin more than 250 times with oxygen, then stops oxygen circulation around the body; which have big character of heavy toxicity, so CO poisoning have became a big problem around the world.

G02-CO is used to monitor room CO level as well as temperature and humidity options. With one dry-contact of relay output, it can control a ventilator according the setpoint of carbon monoxide.

With the Modbus RS-485 communication interface, it can be connected with a DDC/PLC or a PC.

- ◆ Human environment, Industrial environment
- ◆ Underground parking lot, maintenance garage
- ◆ Freezing machine room and other places where air quality is easy to worsen



□ Specifications

Gas detection	Carbon monoxide
Sensing element	Semiconductor gas-sensitive component
Temperature sensor (option)	NTC 5K
Humidity sensor (option)	HS series capacitive sensor
Power supply	9~24VAC/VDC, 230VAC
Consumption	2.8 W
Signal update	1s
Warm up time	36 hours (first time), 10 minutes (normal operation)
CO measuring range	0~500ppm or customized range
Display resolution	0.1ppm
CO setting resolution	0.1ppm
Temperature measurement range	0~70℃
Humidity measurement range	0~99 %RH
Relay output(option)	1xRelay output to control a ventilator or air-purifier, max current 3A resistance
Warning alarm	Two CO alarm levels preset
Buzzer alarm	Alarm starts when CO measurement reach up the presets
LCD backlit	Green—optimal air quality Yellow—1st CO alarm level Red—2nd CO alarm level
Modbus RS485 Interface(option)	Communication rate: 19200bps 15KV antistatic protection, 3 independent base address
Operation condition	-20℃~60℃ (-4°F~140°F)/ 0~ 95% RH
Storage conditions	-40℃~90℃ (-40°F~194°F)/ 5~ 95% RH
Net Weight	190g
Dimensions	130mm(L)×85mm(W)×36.5mm(H)
Installation standard	Desktop or wall mount (65mm×65mm or 85mmX85mm or 2"×4" wire box)
Wiring standard	Wire section area <1.5mm ²
Quality System	ISO 9001
Housing	PC/ABS fire-proof, IP30 protection
Certificate	CE

□ Models Guide

G02-CO-B3/1 X Y Z-X₁ X₂

3-LCD with 3-colour backlit **1**-no LCD

X-0 (no touch button, no DC socket)

1 (no touch button, with DC socket, power adaptor available)

3 (voice touch button, with DC socket, power adaptor available)

4 (1xOn/Off output and a operation touch button, no DC socket)

5 (1xOn/Off output and a operation touch button, DC socket, power adaptor available)

Y-0 (no mounting accessory)

1 (have a wall mounting bracket)

2 (wall mounting and desktop brackets)

Z-A(230VAC)

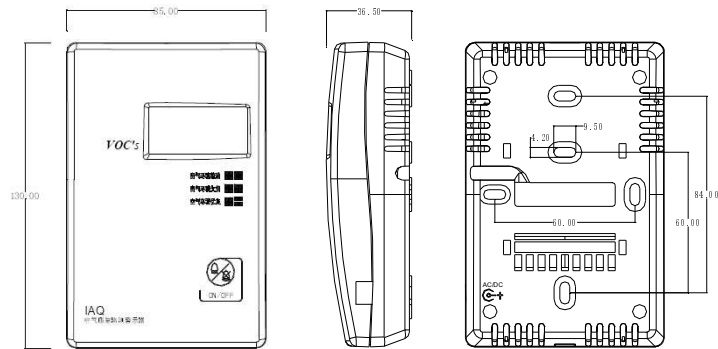
C(9~24VAC/VDC power supply, power adaptor available)

X₁-0 (no temperature and humidity detection)

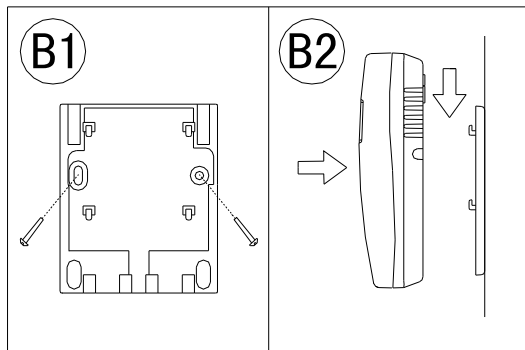
1 (temperature and humidity detection and display)

X₂-0 (no RS485 interface)
 1 (Modbus RS485 interface)

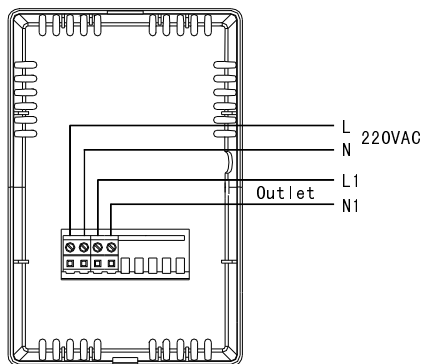
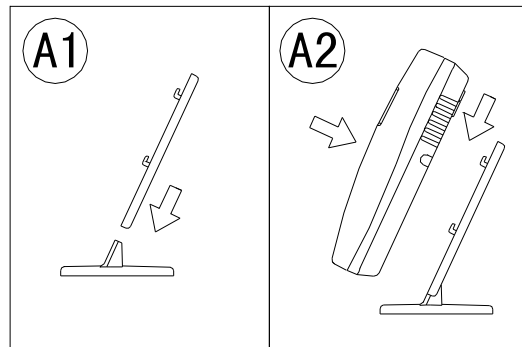
□ Mounting and Dimensions



Wall mount base plate



Desktop bracket



Wall mount wiring

