



Product Overview

The GS-CMD5B Carbon Monoxide Transmitters use an Electrochemical element to monitor CO levels within the range of 0 - 300 PPM (other ranges selectable) and outputs a linear signal as either 4-20 mA or 0-5/0-10 Vdc. Operating parameters are easily programmed by an on-board keypad to configure the transmitter to a specific application. The transmitter also features a pre-calibrated replaceable sensor module for convenient maintenance

Features

- Wall and Duct Sensor versions
- Fully menu driven set-up/ calibration
- Monitors CO over multiple ranges (standard)
- Electrochemical Sensing Element
- Easy to calibrate in the field
- Selectable Analogue Output

Product Specifications

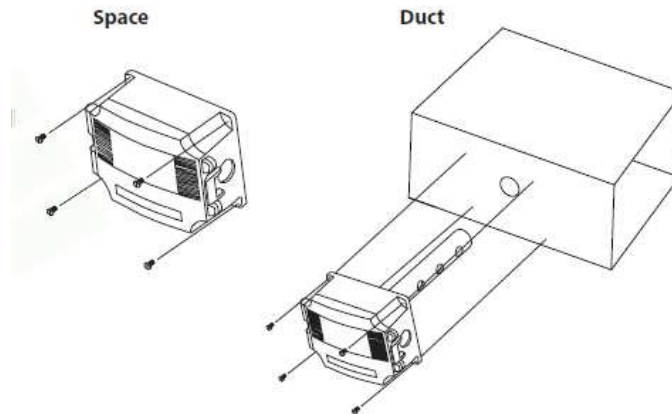
Sensor Type:	Electrochemical
Power Supply:	24Vac/dc @100mA max (AC +/- 10% DC +/- 20%)
Life Expectancy in Air:	5-7 years
Calibration Range:	Standard 0-300ppm
	Selectable 0-100ppm, 0-150ppm, 0-400ppm, 0-500ppm
Accuracy:	+/- 5% FSD or +/- 5ppm whichever is the greater
Stability:	<5% signal loss per year
Typical Area Coverage:	700m ²
Output:	0-5/10Vdc or 4-20mA link selectable
Relay Output:	(option) One or Two relay options 5A@250Vac
	trippoints programmable 20 to 500ppm (hysteresis 10 to 100ppm - delay 0-10 mins)
Optional Communications:	RS485- BACnet or Modbus options
LCD Display:	2 Line 8 character with backlight (displays PPM & menu parameters)
LED Indication:	Red & Green Status LED on front panel
Alarm Output:	Inbuilt alarm buzzer 85db @3m programmable switchpoint 20 to 500ppm
Test Switch:	Performa I/O , front panel & remote connection tests
Settling Time:	< 3 minutes after power up
Response Time:	<35 seconds for 90% step change
Ambient Temp. Range:	-20 to +50°C @15 to 90% RH
Housing:	Material Flame retardant ABS
	Room Dimensions 145 x 101 x 64 mm
	Duct Dimensions 145 x 101 x 240 mm
Protection:	IP65
Conformity:	CE marked, EMC, LVD. UL
Country of Origin:	Canada

Order Codes

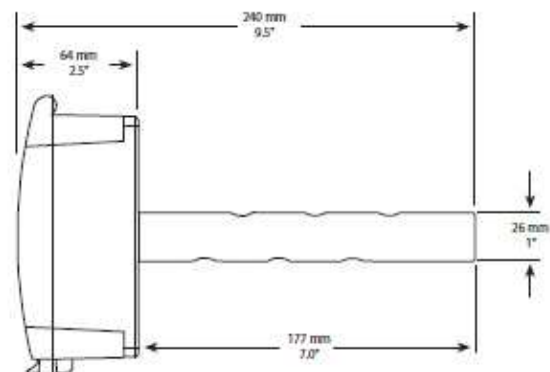
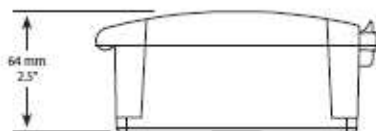
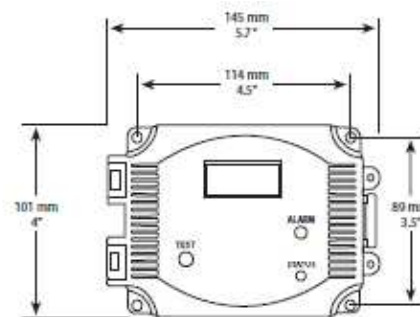
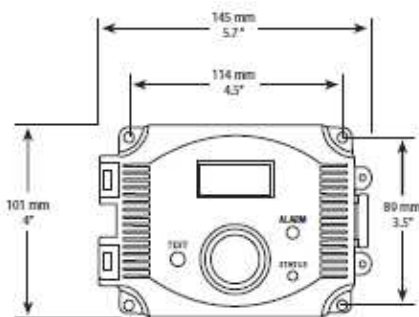
AX-GS-CMD5B-4	Wall Mounted Carbon Monoxide Sensor analogue o/p & LCD Display
AX-GS-CMD5B-4-100	Wall Mounted Carbon Monoxide Sensor analogue & 1 relay o/p & LCD Display
AX-GS-CMD5B-4-110	Wall Mounted Carbon Monoxide Sensor analogue & 2 relay o/p & LCD Display
AX-GS-CMD5B-5	Duct Mounted Carbon Monoxide Sensor analogue o/p & LCD Display
AX-GS-CMD5B-5-100	Duct Mounted Carbon Monoxide Sensor analogue & 1 relay o/p & LCD Display
AX-GS-CMD5B-5-110	Duct Mounted Carbon Monoxide Sensor analogue & 2 relay o/p & LCD Display
-Mod	Modbus RTU output
-BAC	BACnet MS/TP output

Mounting

The ABS enclosure can be mounted directly to the wall and should be mounted at a height about three to five feet from the floor of the area to be controlled. For best operation, do not mount the sensor near doors, opening windows, supply air diffusers or other known air disturbances. The sampling duct sensor should be mounted on the outside of a return air duct with the air sampling tube inserted into the duct. Mount the sensor in an easily accessible location in a straight section of duct at least five feet from corners and other items that may cause disturbances in the air flow. Avoid areas where the transmitter would be exposed to vibrations or rapid temperature changes. In both cases, remove the cover from the unit and use the existing holes to mount the device to an electrical box or directly to the wall or duct. The correct knockout should be removed first. Use care not to damage the circuit board, components or the sensor. Reinstall the cover after wiring and mounting.



Dimensions



Every effort has been taken in the production of this data sheet to ensure it's accuracy. Axio can not, however, accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.