AX-GS-CD4-x

Carbon Dioxide Sensors

Product Overview

The GS-CD Carbon Dioxide Transmitter uses NDIR single beam Infra-red technology to monitor CO_2 levels within the range of 0 - 2,000 or 20,000 PPM and outputs a linear signal as either 4-20 mA or 0-10 Vdc. Operating parameters are easily programmed by an on-board keypad to configure the transmitter to a specific application. The options include a LCD display displaying the ppm levels. The output scale can be programmed using the Out-Lo and Out-High variables, this is useful to obtain an analogue output of a required range e.g. 400 to 800ppm

Features

- Wall and Duct Sensor versions
- Fully menu driven set-up/ calibration
- Monitors CO_2 over range 0 to 2,000 or 20,000ppm
- Solid State Sensing Element
- Optional Modbus output
- 5 year calibration interval
- Adjustable Analogue Output

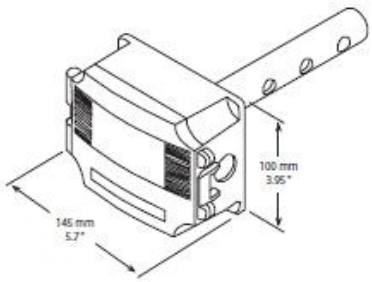
Product Specifications

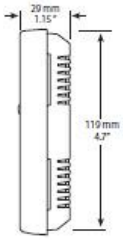
Sensor Type:		Non-dispersive Infra-red
Range:	-A	0-2000ppm standard,
	-B	programmeable from 1500 upto 20,000ppm in 500ppm steps
Power Supply:		20 to 30Vac/dc @80mA max
Calibration Interval:		5 years
Accuracy:		+/- 75ppm or 3% whichever is greater
Stability:		20ppm signal loss per year
Output:		0-10Vdc or 4-20mA link selectable (modbus output available at additional cost)
Settling Time:		<2 minutes after power up
Response Time:		<60seconds for 90% step change
Ambient Temp. Range:		0 to +50'C , 0-95%RH
Housing:	Material	Flame retardant ABS
	Room Dimensions	119 x 84 x 29 mm
	Duct Dimensions	240 x 145 x 100 mm
Conformity:		CE marked, EMC, LVD.
Country of Origin:		Canada

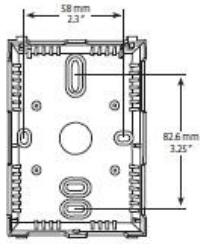
Order Codes

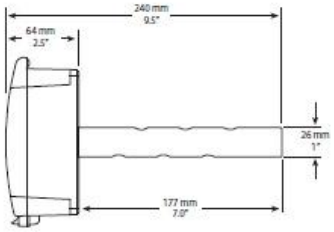
AX-GS-CD-S	Space Mounted Carbon Dioxide Sensor
AX-GS-CD-SL	Space Mounted Carbon Dioxide Sensor with LCD display
AX-GS-CD-D	Duct Carbon Dioxide Sensor
AX-GS-CD-DL	Duct Carbon Dioxide Sensor with LCD display
AX-GS-CD-xx/Mod	Modbus output
-B	Programmeable range

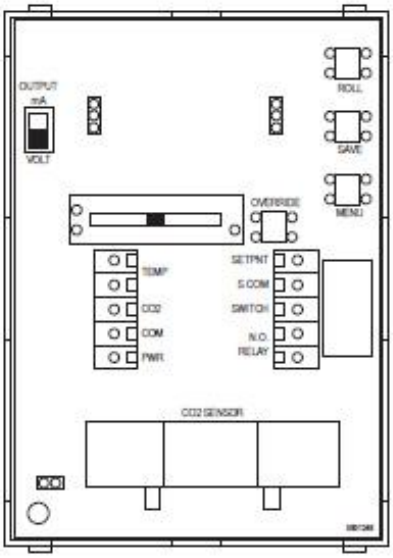
Unit 21, Highview, High Street, Bordon, Hampshire. GU35 0AX.
Tel: +44 (0)1420 487788 Fax: +44 (0)1420 487799
Email: sales@axio.co.uk
www.axio.co.uk











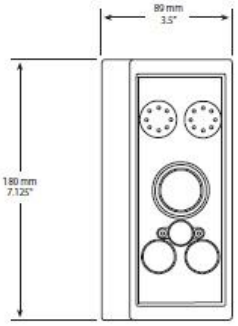
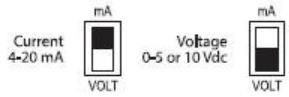
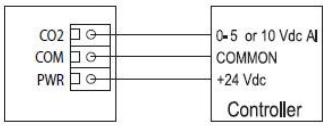


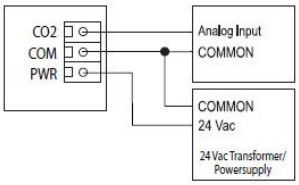
Figure 7

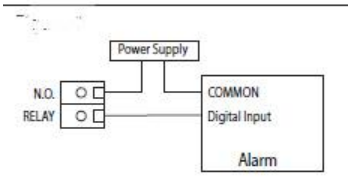


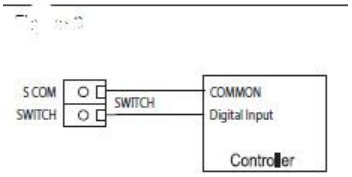
Wiring for voltage output signal and 24 Vdc power from controller



Wiring for all output and external 24 Vac power transformer or external 24 Vac power supply







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