AXIO

Product Overview

The GS-CD Carbon Dioxide Transmitter uses NDIR single beam Infra-red technology to monitor CO₂ 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 CO₂ 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 AX-GS-CD-SL AX-GS-CD-D AX-GS-CD-DL AX-GS-CD-xx/Mod

Space Mounted Carbon Dioxide Sensor Space Mounted Carbon Dioxide Sensor with LCD display Duct Carbon Dioxide Sensor Duct Carbon Dioxide Sensor with LCD display Modbus output Programmeable range

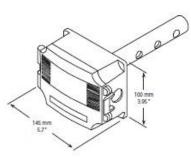
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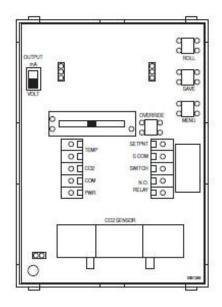
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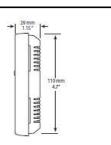


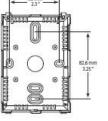
0-5 or 10 Vdc Al

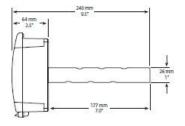
Controller

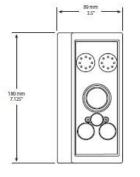
COMMON

+24 Vdc



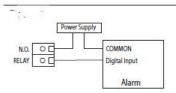




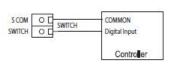


F'g., re 7









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Wiring for voltage output signal and 24 Vdc power from controller

CO2 0 0-

COM

PWR

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

| СО2 СОМ РWR О | Analog Input COMMON |
|------------------------|--|
| | COMMON 24 Vac 24 Vac Transformer/ Powersupply |