

Models Brossettles Durt Mount Wiffing 5 and 64 lib pate 876 185 thuction 963 com

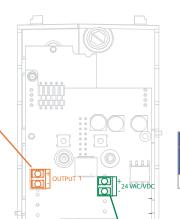
Outputs available in either Voltage (0-10V) or Current (4-20mA)

Not all outputs are used on every unit. See table below for output assignments.

All '-' terminals are electrically connected.

Output	Sensors
Output 1	CO2

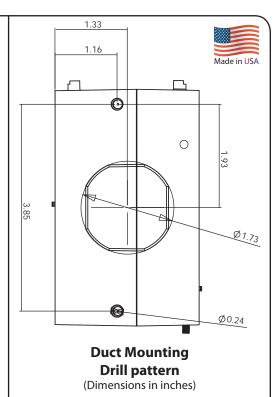
remove cover.



Analog Output Scaling			
Sensors		CO2 ppm	
Current Output	4 mA	0	
	12 mA	1000	
	20 mA	2000	
Voltage Output	0 Volts	0	
	5 Volts	1000	
	10 Volts	2000	

Warning And Alarm Indication		
Sensors	Warning level LED is YELLOW	Alarm level LED is RED
CO2	1000 ppm	2000 ppm

Power input
18-30 VDC
18-28 VAC
(polarity matters for VDC only)

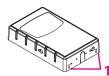


Calibration Kit



Your sensor comes factory-calibrated and does not need to be calibrated upon initial installation. Calibration kits are available.

CO2 Calibration Procedure

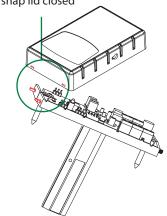


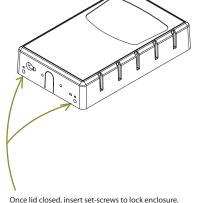
2. Remove dust cover from left-most post. Connect 2000 PPM CO2 calibration gas . Turn on gas and allow to flow one minute before proceeding to step 3.

1. Back out set screws along bottom edge of enclosure cover and

- 3. Press 'CO2 CAL' switch for 5 seconds. LED will blink **yellow**.
- 4. After **5 minutes** the LED will **blink green**, indicating that the calibration process is completed.
- 5. Press and hold the 'CO2 CAL' switch (3 at left) to accept calibration. The LED will turn **solid green** after only a few seconds.
- 6. At this point it is safe to turn off gas and remove the gas tubing from the calibration port.
- 7. When calibration is complete, replace dust cover on gas calibration port.

Align top and bottom latch and snap lid closed





Once lid closed, insert set-screws to lock enclosure Requires 1/16"Allen Wrench

SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL: szss20@163.com

Introduction

The 308 Series is a non-dispersive infrared analyzer for measuring environmental CO2 concentration in ventilation systems and indoor living spaces. Its measurement range of 0 - 2000 ppm (parts per million; 1000 ppm = 0.1%) covers the range required to monitor compliance with ASHRAE or other ventilation efficiency standards. The 308 comes configured for:

- Wall or duct-mounting;
- Voltage or 4-20mA outputs

A simple one-point calibration procedure and a built-in calibration port that requires no special fittings or adapters make the 308 simple to operate and maintain.

CARBON DIOXIDE SENSOR (CO2)		
Parameter	Value	
Operating Principle	Non-dispersive infrared (NDIR)	
Gas Sampling Method	Diffusion	
Measurement Range	0-2000 ppm (Other ranges available by request)	
Repeatability	± 20 ppm CO2	
Measurement Accuracy	± 30 ppm ± 2% of reading, whichever is greater	
Recommended Calibration Interval	5 years	
Warm Up Time	Less than 1 minute	
Power Requirements	18 - 30 VDC or 18 - 28 Vrms AC	
Operating Temperature Range	0 - 50 °C	
Operating Humidity Range	0 - 99% RH, non-condensing	
Voltage Output (linear)	0 - 10 VDC full-scale standard	
Optional Current Output (linear)	4-20 mA R _{LOOP} < 600 Ω	
Calibration	ONE Point : Single-button calibration (Patented)	
Dimensions	4.5 x 2.8 x 0.9 inches	

Displays and Indicators

The 308 Series includes a single tri-color LED on the front panel which illuminates whenever the unit is operating. This LED indicates:

- Green -> CO2 sensor at normal levels
- Yellow -> CO2 sensor at Warning levels
- Red -> CO2 sensor at Alarm level
- Blinking Red -> Sensor error

The display option adds a 4 digit liquid crystal display (LCD) to the front panel (availble in duct unit). The display shows the measured:

• CO2 concentration in parts per million (ppm)













