

Proudly



MADE IN USA



WALL MOUNT  
DUCT MOUNT AVAILABLE

## Model 310e

Infrared Carbon Dioxide Sensor

### Bullet-Proof Performance!

The *AirSense* Dual-beam Model 310e CO<sub>2</sub> monitor provides continuous, accurate reading of indoor CO<sub>2</sub> levels, making it easy to maintain an optimum level of fresh air while reducing heating and cooling costs to an absolute minimum. Use of the *AirSense* Dual-beam Model 310e enables the building manager to recirculate heated or cooled air, adding outside air only when indoor CO<sub>2</sub> levels rise above the set point. Thus “sick building syndrome” and high heating and cooling costs can both be controlled at the same time with the use of the *AirSense* Dual-beam Model 310e.

### irSense M310e CO<sub>2</sub> Sensor

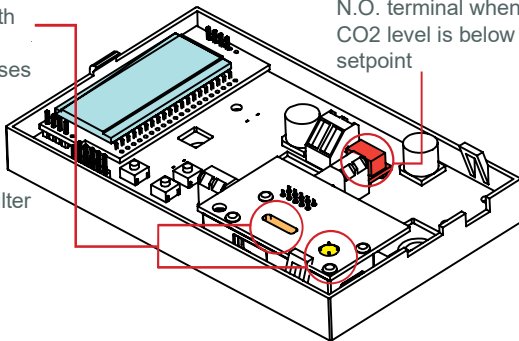
**SIMPLY SMART**

#### Engine

All new compact CO<sub>2</sub> sensor with a dual-beam detector increases precision

#### Filter

1 micron dust filter improves long-term stability

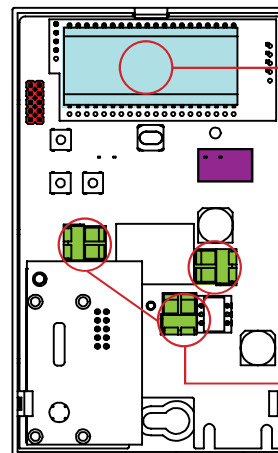


#### Relay

To easily control either the N.C. or N.O. terminal when CO<sub>2</sub> level is below a setpoint

#### Display

4 digit super clear LCD



#### Simplicity

Available output configuration

- 4-20 mA output
- 0-5 V output
- 0-10 V output



## You get more for less!

The AirSense Model 310e single gas verification makes field calibration a snap, and its superior design means significantly longer calibration intervals. Unlike other models, its simple user interface has no complicated menus: all maintenance and calibration operations are easily performed even on units with out display.

## Made in America

All AirSense products always have been, and always will be designed and manufactured in America!



Parameter	Value
Operating Principle	Dual-beam Non-dispersive infrared (NDIR)
Gas Sampling Method	Diffusion or sample draw
Measurement Range	0-2000 ppm (Other Ranges Optional by Request)
Repeatability	± 20 ppm CO2
Measurement Accuracy	± 30 ppm ± 2% of reading
Recommended Calibration Interval	5 year
Warm Up Time	Less than 1 minute
Power Requirements	18 - 30 VDC or 18 - 28 VRMS AC
Operating Temperature Range	10 - 50° Celsius
Operating Humidity Range	0 - 95% RH, non-condensing
Voltage Output (linear)	0 - 10 VDC full scale standard. Range field adjustable from 1-10 VDC
Current Output (linear)	4-20 mA
Calibration	Single gas calibration
Dimensions	5.25"x 3.25"x 1.4" inches
Optional relay contact rating	2 Amps @ 24 V
Warranty	7 years on electronic components, 3 years on NDIR sensor

### Ordering Table

Ordering Table	
Series	Gas sensor
310e	CO2

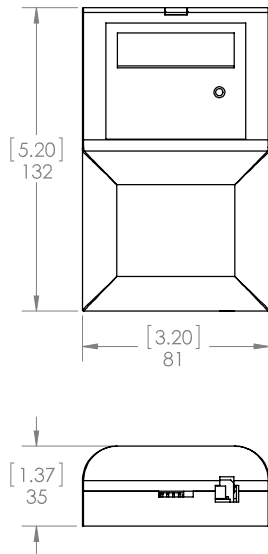
Optional Relay		Mount style	Description
R	Relay included	Blank	Wall-mount
Blank	No relay	D	Duct-mount

Optional LCD	
L	LCD included
Blank	No LCD

**310e** - R - L - D

### Wall Mount



### Duct Mount

