

Mounting the 5000 Series

1. Remove the front cover by pressing the release button located on the bottom of the cover.
2. Use the appropriate mounting holes and screws to secure the base to the mounting surface.
3. Pass the wiring through the wiring slot and make the necessary wiring connections on the 7-pin connector, described below.

Pin Assignments for the 7-Pin Connector

- 1 – ground
- 2 – CO₂ (0 to 10V)
- 3 – 24 Volt input
- 4 – thermistor output
- 5 – **Not Used** (Set point potentiometer/PWM output)
- 6 – **Not Used** (LED override input)
- 7 – **Not used** (Bypass)

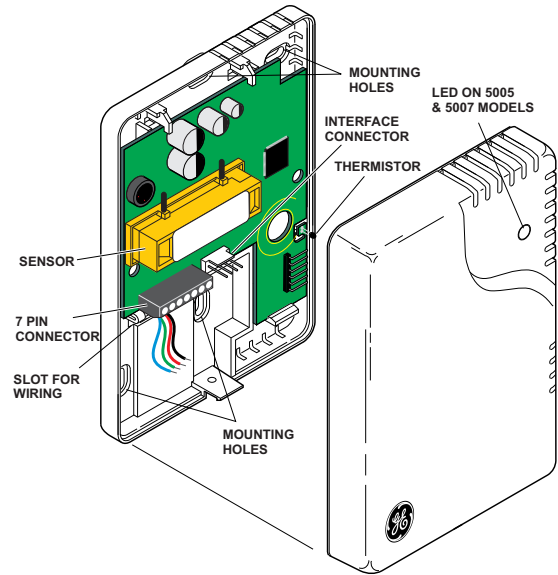
LED Indicator (Models T5005 and T5007)

The LED has three colors (red, yellow, and green) indicating particular PPM levels:

Green - CO₂ levels are less than 1000 ppm, indicating CO₂ concentration is within acceptable limits.

Yellow - CO₂ levels between 1000 and 1500 ppm, with 100 ppm hysteresis. As CO₂ levels decrease to within acceptable limits, the yellow light will remain on until 100 ppm past the threshold, and return to green at 900 ppm.

Red - CO₂ levels are above 1500 ppm, indicating the CO₂ concentration is beyond acceptable limits. As CO₂ levels decrease to within limits, the red light will remain on until 100 ppm past the threshold, and turn back to yellow at 1400 ppm.



Calibration and ABC Logic™

The Airestat sensor is factory set with the ABC Logic™ (Automatic Background Calibration) self calibration feature **ON**. This feature allows the sensor to continually re-calibrate itself when the indoor concentrations drop to outside levels while the building is unoccupied. Generally, a building must be regularly unoccupied for 4 hours or more for this self-calibration system to operate properly. Under these conditions, the ABC Logic™ feature should maintain sensor calibration over the lifetime of the sensor. The ABC Logic™ feature should be turned **OFF** where a building is continuously occupied 24 hours per day, or where there could be significant sources of non-occupant related CO₂ such as greenhouses, breweries and other industrial and food processing applications.

Warranty

GE Measurement & Control Solutions-Telaire Products will repair a product that fails to meet the terms provided in the Limited warranty policy statement. Actual warranty period is 18 months and starts from the date of manufacture from GE's facility or point of origin, and varies based on product category and type of equipment. For all warranty repairs, GE will cover parts, labor, and standard (ground) shipping charges.

This product is covered by one or more of the following patents:

5,650,624/5,721,430/5,444,249/5,747,808/5,834,777/5,163,332/
5,340,986/5,502,308/6,344,798/6,023,069/5,370,114/5,601,079/
5,691,704/5,767,776/5,966,077/6,107,925/5,798,700/5,945,924/
5,592,147/6,255,653/6,250,133/6,285,290



USA

6860 Cortona Drive
Goleta, CA 93117
Telephone: 805-685-4000
Fax: 805-685-0015

1100 Technology Park Drive
Billerica, MA 01821-4111
Telephone: 800-833-9438
978-437-1000
Fax: 502-479-6722
Web: www.ge-mcs.com