

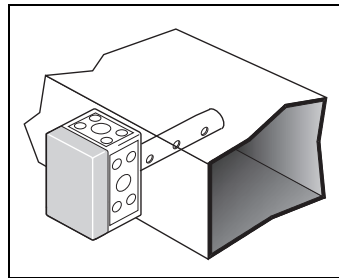
Introduction

The **Telaire Model 1508 Aspiration Box** is designed for in-duct sampling of CO₂ in flow rates greater than 400 fpm. This Aspiration Box enhances the **Telaire 8000 Series Ventostat® CO₂ Controllers** in specialized applications.



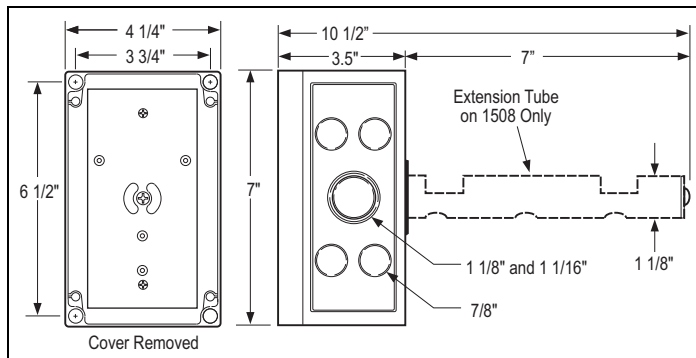
Preparation of Aspiration Box for Mounting

Note: *The mounting location for the Telaire Model 1508 Aspiration Box should be in the return air duct. The ideal location for mounting is one that will allow easy access for modifying or calibrating the sensor.*



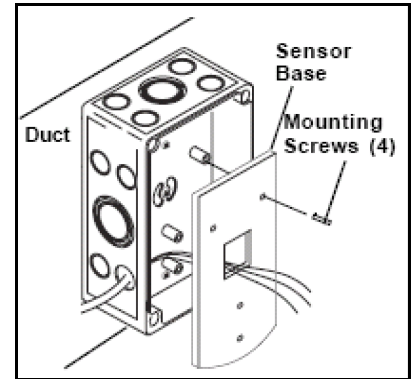
Prepare the Aspiration Box for mounting as follows:

1. Remove the box cover. Ensure the three holes located on the inlet tube face the duct air flow as shown.
2. If the three inlet holes are facing in the wrong direction, simply turn the tube 180° while making sure the box is in the correct orientation.

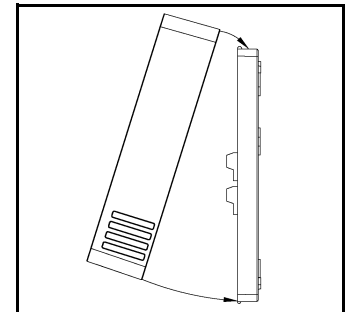


3. Secure the inlet tube by tightening the large screw located in the center of the mounting bracket.
4. Using a sharp, pointed object, punch through a conduit knockout. Now the Aspiration Box is ready to be mounted on the duct.

Installation of Aspiration Box



1. Using the template provided, mark the four mounting holes and one 1-1/4" hole (for inlet tubing) on the duct.
2. On the duct, drill or punch the four mounting holes and one 1-1/4" air inlet hole.
3. Mount the Aspiration Box to the duct using four sheet metal screws. Verify the three holes on the inlet tube are facing the airflow.
4. Once the Aspiration Box is secure, pass the wiring through the open conduit hole and the large opening on the sensor mounting bracket.
5. Using the four mounting screws (provided), secure the sensor mounting bracket to the four stand-off posts in the aspiration box.
6. During wire installation, use caution while routing the wires through the box. Strip the wire insulation approximately 1/8" and ensure the exposed wire is free of loose strands.
7. Next, make the necessary wire connections by following the pin designations on the terminal block label. Insert the wires into the terminal block and seat the wire insulation flush against the terminal blocks. When wiring is complete, check for any wiring that may be touching adjacent wires or terminal blocks.
8. For proper operation, it is important to maintain an airtight seal. Any opening should be tightly sealed with caulk or putty.



Sensor Installation

Install the sensor as follows:

1. First, mount the top of the sensor to the top of the plastic mounting plate and then firmly press the lower half of the sensor into place.
2. Upon power up the sensor, wait for approximately 1 minute and verify that the sensor is reading correct ambient levels.
3. Complete the installation by fastening the lid of the box and tightening the four plastic screws.

Sensor Removal

1. Remove the plastic cover.
2. The sensor is hinged at the top and fastened at the lower end. To remove the sensor, pull from the bottom of the sensor and lift outward. The sensor fits snugly into place. You may have to pull hard to remove the sensor.

Warranty Repairs

Amphenol will repair Telaire product that fails to meet the terms provided for in the Return and Warranty Policy Statement (*See, <http://www.telaire.com>*). Warranty period shall start from date of manufacture and be based on product category and type of equipment as specified in Table 1: Product Warranty Periods. For all warranty repairs, Amphenol will bear all product repair parts, labor, and standard ground shipping charges.

Contact

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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/
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