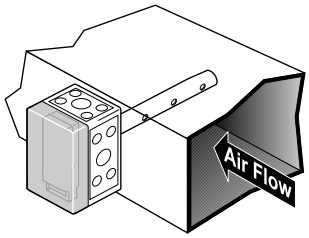
Installation Instructions for the Innovair™ CD100DH Duct Housing.

1. Overview

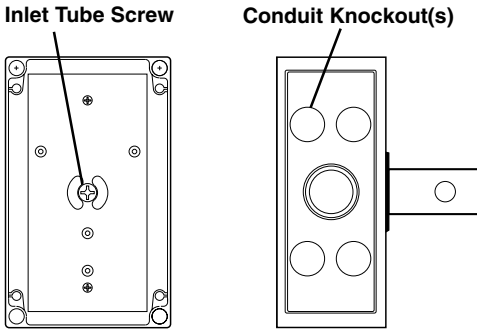
1.1 The mounting location should be in the return air duct. Find a location that will allow easy access for modifying or calibrating the sensor .



2. Box Preparation

2.1 Remove the box cover by unscrewing the four plastic screws.

2.2 For optimum sensing, the three holes located on the inlet tube must face the duct air flow . If the three inlet holes are facing the wrong direction, simply turn the tube while making sure the box is in the correct orientation.



2.3 Secure the inlet tube to the housing by tightening the large screw located in the center of the mounting bracket.

2.4 Using a sharp, pointed object, punch through a conduit knockout. The duct housing is ready to be mounted on the duct.

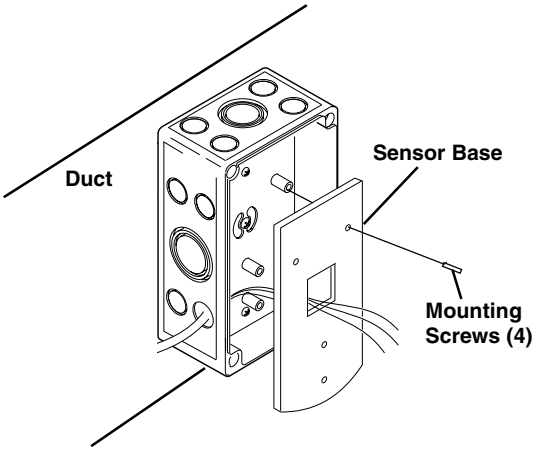
3. Installation

3.1 Using the template provided, mark the location of the four mounting holes and one 1-1/4" hole (for inlet tubing) on the duct.

3.2 On the duct, drill or punch the four mounting holes and one 1-1/4" air inlet hole.

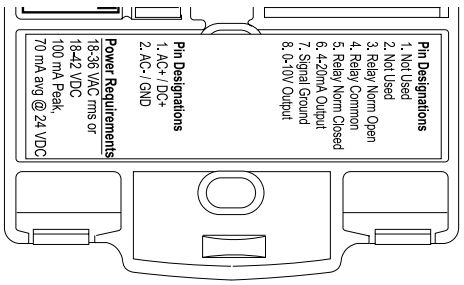
3.3 Mount the duct housing to the duct using four sheet metal screws. V erify the three holes on the inlet tube are facing into the airflow.

3.4 Once the duct housing is secure, pass the wiring through the open conduit hole and the large opening on the sensor mounting bracket.



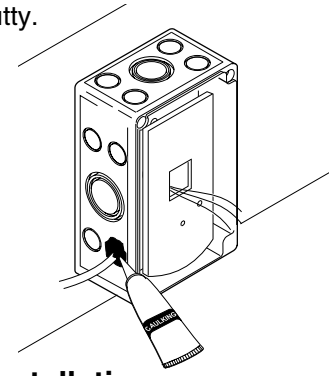
3.5 Using the four mounting screws (provided) secure the sensor mounting bracket to the four stand-off posts in the aspiration box.

3.6 During wire installation, use caution while routing the wires through the box. Strip the wire insulation approximately 1/4″ and ensure the exposed wire is free of loose strands.



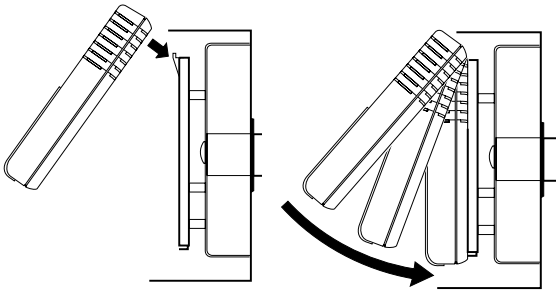
3.7 Make the necessary wire connections by following the pin designations on the terminal block label. Insert the wires into the terminal block and seat the wire insulation flush against the terminal blocks. When wiring is complete check for any wiring that may be touching adjacent wires or terminal blocks.

3.8 For proper operation, it is important to maintain an airtight seal within the duct housing. If any of the “knockouts” were modified for wiring, confirm that the opening is properly sealed with caulk or putty.



4. Sensor Installation

4.1 The sensor can now be installed. 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.

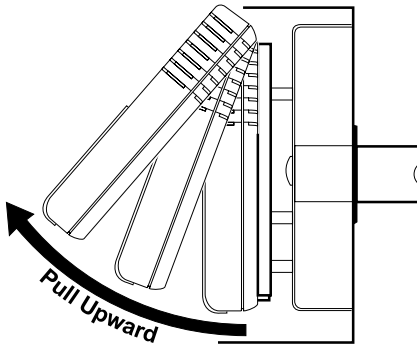


4.2 Upon power up, the LCD will read “INITIAL WARMUP” for approximately 15 seconds and after 1 minute the sensor will start reading ambient CO_2 levels.

4.3 Complete the installation by fastening the lid of the box and tightening the four plastic screws.

5. Sensor Removal

5.1 Remove the plastic cover.



5.2 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, removal may require a hard pull.

Warranty

System Sensor warrants its enclosed product to be free from defects in materials and workmanship under normal use and service for a period of 18 months from date of purchase by the original owner. System Sensor makes no other express warranty for this sensor. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company’s obligation of this Warranty shall be limited to the repair or replacement of any part of the product which is found to be defective in materials or workmanship under normal use and service during the 18 month period commencing with the date of purchase by the original owner. After phoning System Sensorís toll free number 800-SENSOR2 (736-7672) for a Return Authorization number, send defective units postage prepaid to: System Sensor, Warranty Service, RA#_____, 3825 Ohio Avenue, St. Charles, IL 60174. Please include a note describing the malfunction and suspected cause of failure. The company shall not be obligated to repair or replace units which are found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights, and you may also have other rights which may vary from state to state.

System Sensor
3825 Ohio Avenue St. Charles, IL 60174
1-800-SENSOR2 (736-7672) Fax: 630-377-6495

PN 62518B
10499