



## INSTALLATION INSTRUCTIONS

Read entire instructions before you begin installation. Do not apply power to the system before checking all wiring connections first. Improperly connected wires can damage equipment. Make all wiring connections in accordance with local, national, and regional regulations. Contact Tasseron Sensors and Controls with any questions or concerns. Tasseron Sensors and Controls is a registered trademark of Tasseron Sensors, Inc. Assembled in USA.

### Instructions for 18" rigid averaging sensor

Step 1 – Find a location where the sensors will best sample the average duct air temperature. To avoid sensing errors, stay away from areas where the air is stratified.

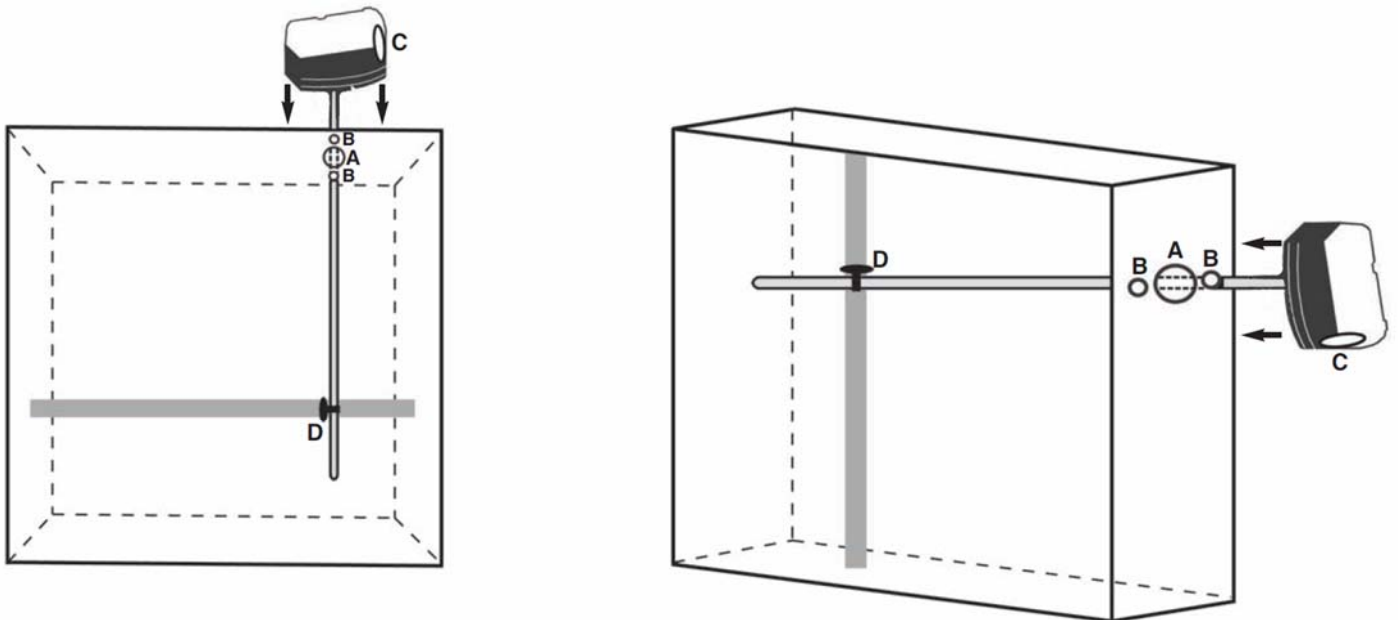
Step 2 – Place the enclosure near the top or middle of the duct. Drill a ¼" hole (A) for the probe to fit through. Then, drill two 1/8" pilot holes (B) to mount the enclosure to the duct. Attach the sensor to the duct with the cable inlet (C) facing downward. Use two #8 screws (not provided) and install through the mounting flange. Do not over tighten, but make snug so the anti-vibration pad is compressed to avoid air leakage.

Step 3 – When possible install the rigid 18" averaging probe near a coil frame. Mount the sensor mounting clip (D) (sold separately) and slide the probe in the mounting clip where desired to help stop excessive vibration.

Step 4 – Run the control wires through the cable inlet (C) and attach the wires to the quick connects inside the enclosure. The connections are both non-polarity and non-position sensitive. Attach cover to enclosure.

### Troubleshooting Tips

- Allow the sensor to stabilize in the duct air for a minimum of five minutes before taking a reading.
- To check the sensor, be sure to disconnect the sensor lead wires from the controller and connect an ohm meter across the lead wires. After testing, reconnect the lead wire to controller.



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SENSORS & CONTROLS

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### Instructions for aluminum coil averaging sensor

Step 1 – Find a location where the sensors will best sample the average duct air temperature. To avoid sensing errors, stay away from areas where the air is stratified.

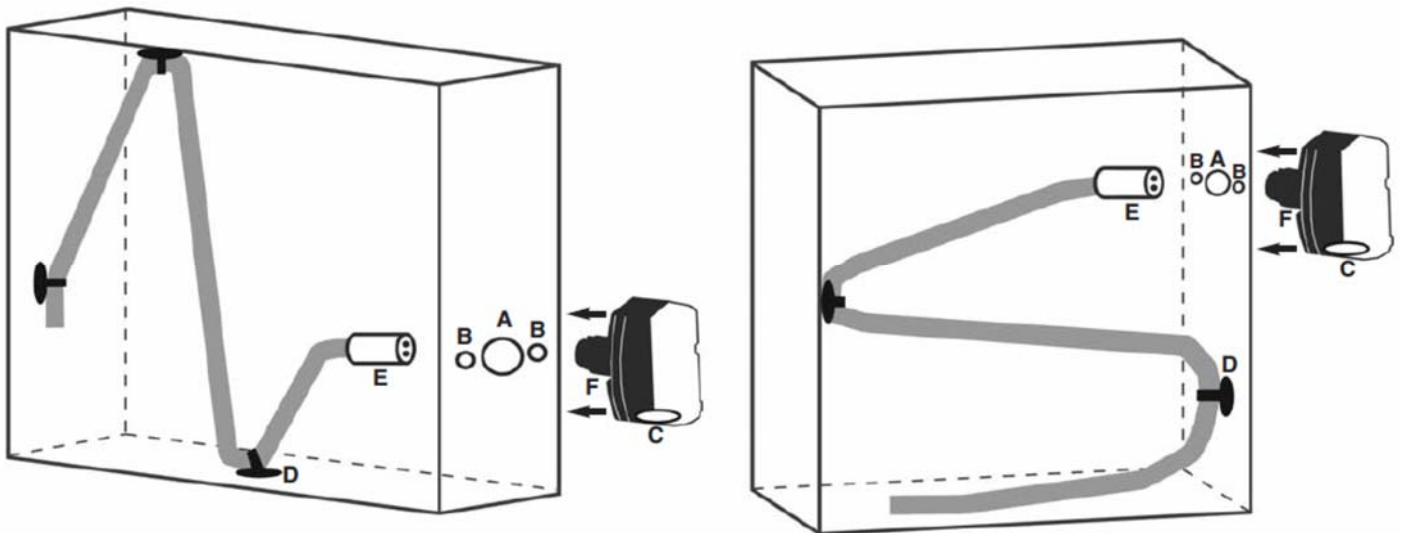
Step 2 – The Q-Average temperature averaging sensor comes in 2 pieces for fast and easy installation, the enclosure and the sensing tube. You do not need to risk bending or crimping the sensing tube by feeding it through the hole in the duct. Place the enclosure near the top or middle of the duct. Drill a 25/32" hole (A) for the probe to fit through. Then, drill two 1/8" pilot holes (B) to mount the enclosure to the duct. Attach the sensor to the duct with the cable inlet (C) facing downward. Use two #8 screws (not provided) and install through the mounting flange. Do not over tighten, but make snug so the anti-vibration pad is compressed to avoid air leakage.

Step 3 – Run the control wires through the cable inlet (C) and attach the wires to the quick connects inside the enclosure. The connections are both non-polarity and non-position sensitive. Attach cover to enclosure.

Step 4 – Take the coiled sensing tube and cut off the zip ties. Unroll the sensing tube; avoiding bending and crimping. To Achieve the best results, serpentine the duct with the sensor at least twice across the stratified air in the duct. Attach the sensor to the duct work with the option mounting clips (D) (sold separately). Attach the female end of the sensing tube couple (E) to the male coupler (F) on the enclosure. Hand tighten the connector, do not over tighten.

### Troubleshooting Tips

- Allow the sensor to stabilize in the duct air for a minimum of five minutes before taking a reading.
- To check the sensor, be sure to disconnect the sensor lead wires from the controller and connect an ohm meter across the lead wires. After testing, reconnect the lead wire to controller.



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