Installation Instructions

InteliSense™ Technology

This unit is InteliSense™ capable when used with an InteliSense™ thermostat. InteliSense™ allows for the collection of performance data in the cloud. The unit comes with two interchangeable sensors: a Return Air Temperature (RAT) sensor and a Supply Air Temperature (SAT) sensor for installation in the field. Make sure the sensors are connected to the appropriate terminals for proper temperature data collection when used with the InteliSense™ board.

Install Supply Air Temperature (SAT) Sensor

1. Install the SAT sensor in the main supply trunk.

NOTE: Placing the SAT sensor roughly 12 inches after the first bend in main supply trunk will yield the best readings (Fig. 1). Certain installs may require an alternate sensor placement which is permissible and will not affect functionality of the InteliSense™ in a meaningful way.

2. Drill a 1/4-in. hole at the location in the supply trunk where the sensor will be installed.

3. Insert the sensor in the hole and use it as a template to mark the two mounting holes (use holes located diagonally from each other for best adherence).

4. Drill two 1/16-in. holes to accept No. 8 screws through the pre-drilled holes in the duct temperature sensor back plate.

5. Use two provided No. 8 sheet metal screws to mount the duct temperature sensor to the unit.

6. Route the SAT wire leads into the unit's control box compartment along with the thermostat wires. Use the provided grommet to protect the wires through the cabinet casing knockout.

7. Connect the sensor wire leads to the control board at the screw terminal marked "SAT." If additional wire length is needed, thermostat wire and wire nuts can be used to extend the wires.

Install Return Air Temperature (RAT) Sensor

1. Install the RAT sensor in the main return trunk.

NOTE: Placing the RAT sensor roughly 12 inches after the first bend in main return trunk will yield the best readings (Fig. 1). Certain installs may require an alternate sensor placement which is permissible and will not affect functionality of the InteliSense™ in a meaningful way.

2. Drill a 1/4-in. hole at the location in the return trunk where the sensor will be installed.

3. Insert the sensor in the hole and use it as a template to mark the two mounting holes (use holes located diagonally from each other for best adherence).

4. Drill two 1/16-in. holes to accept No. 8 screws through the pre-drilled holes in the duct temperature sensor back plate.

5. Use two provided No. 8 sheet metal screws to mount the duct temperature sensor to the unit.

6. Route the RAT wire leads into the unit's control box compartment along with the thermostat wires. Use the provided grommet to protect the wires through the cabinet casing knockout.

7. Connect the sensor wire leads to the control board at the screw terminal marked "RAT." If additional wire length is needed, thermostat wire and wire nuts can be used to extend the wires.
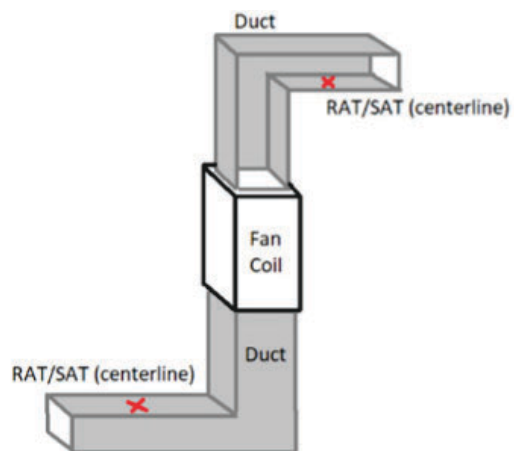

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Fig. 1 – InteliSense™ Sensor Locating

Refer to the InteliSense™ thermostat advanced installation and configuration instructions for system setup and troubleshooting tips. Visit Carrier(Bryant).hvacpartners.com/InteliSense or scan one of the QR codes below.

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Fig. 2 – Carrier InteliSense™ Technology Information

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Fig. 3 – Bryant InteliSense™ Technology Information

Edition Date: 05/24

Catalog No: IM-INTELI-02

Replaces: IM-INTELI-01