

STEFFES CORPORATION
Duct Sensor Installation Instructions
For use with Non Steffes Air Handlers
Item # 1041536

IMPORTANT: This instruction sheet is used **ONLY** if installing a sensor in a non-Steffes air handler. If doing a replacement of the discharge air sensor, please disregard this instruction sheet.

INSTALLATION

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

1. Disconnect power to all branch circuits of the heater.
2. Install the discharge air sensor downstream from flat coil in an area that represents the truest discharge air temperature, and is in an area of highest air flow. The mounting holes for the discharge air sensor are two (2) 1/8" holes 1.625" apart. Centered between them needs to be a 1.125" diameter hole to allow clearance to the sensor assembly.



WARNING

HAZARDOUS VOLTAGE: RISK OF ELECTRIC SHOCK. CAN CAUSE INJURY OR DEATH. DISCONNECT ALL REMOTE ELECTRIC POWER SUPPLIES BEFORE INSTALLATION.

NOTES:

- **Steffes Corporation recommends that a temperature and air flow test be conducted to determine a location for the sensor.**
 - **Avoid placing the sensor immediately above the coil or in a bend or transition in the duct work, because this may cause an inaccurate or delayed air temperature reading.**
 - **Be sure that the discharge air sensor and its screws do not short to or contact any metal; this may result in an Error 24 (Er24).**
3. Remove the electrical panel cover.
 4. Locate the two brown wires located below the breakers on 5100 and the fuses on the 7100 (Figure 1). Remove and discard the resistor connecting the two brown wires (Figure 2).

Figure 1

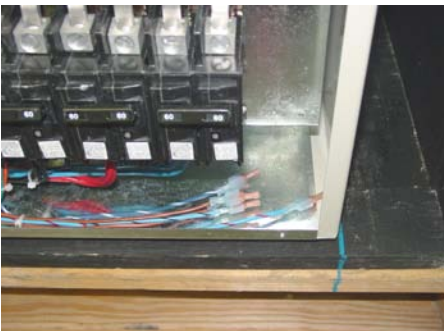
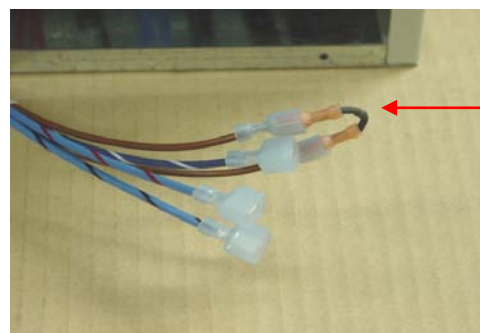


Figure 2



5. Route the two sensor wires into the electrical panel through a knock out and connect them to the two brown wires from the heating system.
6. Place the wires back into the electrical panel and reinstall the electrical panel cover.
7. Reconnect the power to all branch circuits of the heating system.