

Frequently Asked Questions

Where do I install my supply/discharge temperature sensor?

Wiring:

1. The supply temperature sensor should be wired per the wiring diagram. This diagram will be located on the inside of the control cabinet/compressor cabinet door.
 - a. Common labels for the supply temperature sensor on the wiring diagrams include “SAT”, “OAD”, and “Supply Air Temperature Sensor”.
2. The wires for the supply temperature sensor should have been landed from the factory in the proper landing location on the Carel controller. The excess length of wire will be coiled up in the control cabinet.
3. Based on casing size, the sensor will either...
 - a. Be permanently attached to the wire whip, awaiting mounting in the duct.
 - b. Be shipped loose. If your unit’s supply temperature sensor shipped loose, attach it to the end of the wire whip, and mount it in the duct.

Sensor Mounting:

1. The supply temperature sensor should be mounted 3-5 duct diameters downstream of the unit in the supply discharge ductwork.
 - a. The sensor should not be mounted in any area of high turbulence such as right after a major turn in the duct.
 - b. Failure to mount the supply temperature sensor in this location could result in poor unit performance or damage to the unit.

