

Diamond Flow Sensor Locations

All dual duct terminal units utilize pressure independent controls which require two flow sensors. When selecting dual duct terminal units for specific application, it is necessary to specify the correct flow sensor location.

For pneumatic control sequences with mixing, our standard construction is one sensor located in the cold duct inlet and one downstream total flow sensor (hot duct control). This configuration accommodates all standard constant and variable volume sequences. Optional hot inlet and cold total flow sensor configurations are available. Non-mixing pneumatic control sequences (Model 3210) are supplied with a cold and hot inlet sensor.

For analog electronic control sequences, sensor location is dependent on the sequence selected and the controller/actuator/thermostat combination desired. Contact your Nailor Representative for further assistance.

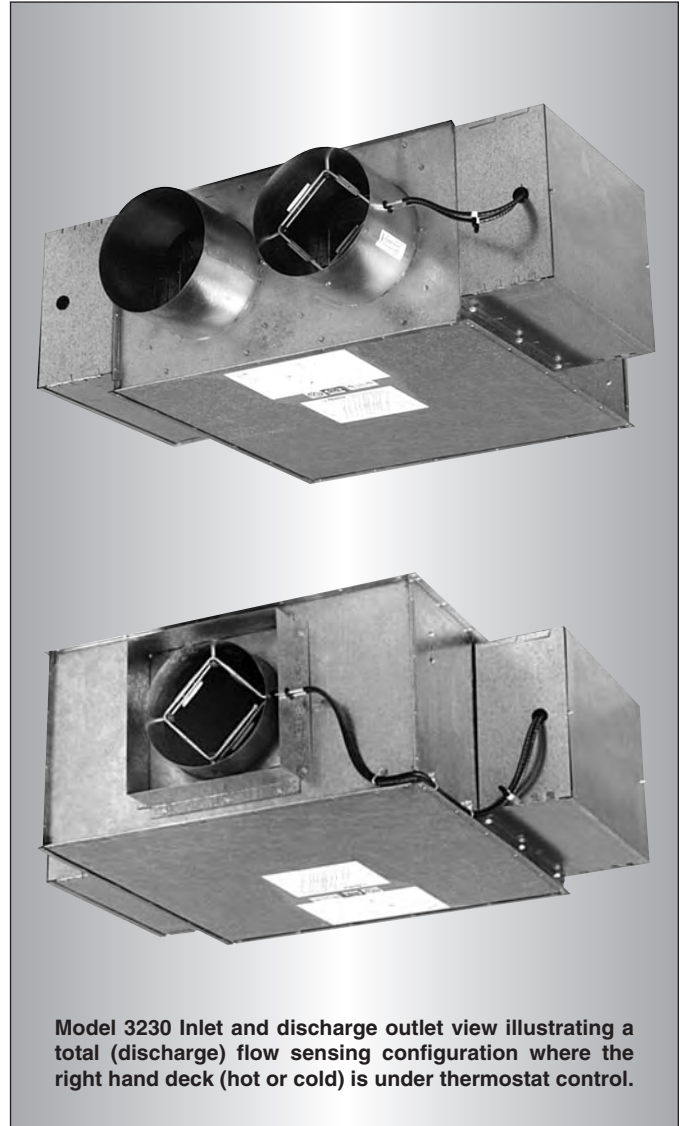
When DDC controls are being supplied by the controls contractor for factory or field mounting, the sensor location will depend on the model of controls, application and the "hand" of the terminal unit. Coordination with the controls contractor is required to determine the appropriate sensor locations.

Multi-point flow sensors are available in three different configurations to suit any application control requirement. These are:

- Cold and hot duct inlet sensors (3A)
- Hot duct inlet sensor and downstream total sensor (3B)
- Cold duct inlet sensor and downstream total sensor (3C)

For all sensor location configurations, the "hand" inlet of the terminal unit (cold duct right hand or cold duct left hand) is required. Coordinate with your Nailor representative.

- Cold duct right hand (OR)
- Cold duct left hand (OL)



Model 3230 Inlet and discharge outlet view illustrating a total (discharge) flow sensing configuration where the right hand deck (hot or cold) is under thermostat control.

Sensor Location/Cold Duct "Hand" Options (plan view).

