Unit Ventilator System with Reheat - Beardshear

 Cooling Mode – When the room temperature is above 68 degrees:

- The room thermostat controls the unit ventilator supply temperature by modulating it between 57 and 65 degrees. If room air temperature is 79 degrees, the supply air is adjusted to 57 degrees. If the room air temperature is 74 degrees, the supply air temperature is adjusted to 65 degrees.
- Room temperature will naturally fluctuate between 68 degrees and 78 degrees depending on outside air temperature and heat load in the area served.
- The reheat coil is controlled by a second thermostat.

 Heating Mode – When the room temperature is at 68 degrees:

- Unit ventilator supply air temperature will be maintained at 65 degrees.
- The room thermostat turns on the reheat coil to maintain 68 degrees in the room.
- The reheat coil is controlled by a second thermostat.