HVAC System with Reheat

Room or Zone

Outside Air

Fan

Air Handler

Supply Air

Return Air

Return Air Thermostat

Room Thermostat

Set at 68

Reheat Coil

Heating Device

Cooling Device

Cooling Mode – When the room temperature is above 68 degrees:
- The return air thermostat controls the air handler supply temperature by modulating it between 57 and 65 degrees. If return air temperature is 79 degrees, the supply air is adjusted to 57 degrees. If the return 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 off.

Heating Mode – When the room temperature is at 68 degrees:
- Air handler supply air temperature will be maintained at 65 degrees.
- The room thermostat turns on the reheat coil to maintain 68 degrees in the room.