Gardiner.
Building Technology Partners

Data Services Operating Recommendations Cheat Sheet.

Setpoints play a critical role in overall system performance and efficiency. The automation system will control the HVAC equipment to satisfy these setpoints. Selecting the right setpoints can help ensure the optimal balance of comfort, efficiency, and equipment longevity.

While every application and building is different, the following are some general recommendations for system setpoints in your building automation system.

Set Point	Impact	Recommended Set Point or Range
*Occupied Heating	The heating set point will dictate what temperature each space controls to in a heating mode.	68-70
*Occupied Cooling	The cooling set point will dictate what temperature each space controls to in a cooling mode.	72-74
Unoccupied Heating	The heating set point will dictate what temperature each space controls to in an unoccupied heating mode.	60
Unoccupied Cooling	The cooling set point will dictate what temperature each space controls to in an unoccupied cooling mode.	80
**Heating Enable	The heating enable set point controls what outside air temperature the heating system will enable.	55-60
Cooling Enable	The cooling enable set point controls what outside air temperature the cooling system will enable.	60-65
Economizing Enable	The economizing enable set point controls what outside air temperature the economizer damper will open beyond minimum ventilation position to help cool the area/building to offset the need for mechanical cooling	55-65
Dehumidification	The dehumidification set point is used for units with dehumidification capability and will control what relative humidity level the space will control to.	60%-65%

*Studies have shown that optimal temperatures for productivity and learning are between 68-74 degrees. The Department of Energy also estimates that raising/lowering your setpoint by 1 degree you can decrease energy usage by 1% per degree.

**The heating enable can be impacted by the need for dehumidification, instead of raising the enable temperature setpoint consider checking into programming for only enabling the heating system when dehumidification is needed.