

ROSS TOWER HEATING

Ross Tower is split into one zone and this zone has a temperature sensor that controls a zone valve and when it reaches the set point in the sensor location, no heat is available to the rooms. The day set point is 68°F and is scheduled from 6:30 a.m. to 12:00 a.m. while the night setback is 65°F for the rest of the time. This schedule and temperature are set by the College Energy Management System.

The heater in each room has a manually adjusted heat control valve that can be set by the occupant to adjust the heat for their own thermal comfort within the range set by the College Energy Management System. Heat is only available when the zone sensor calls for it so the room control should be set to a mid-range setting until the room has stabilized, usually a 24 hour period and then adjust the room control for cooler or warmer. Each room has the proper amount of radiation to keep the space at 68°F regardless of the outside temperature.

The heating supply water is controlled on a sliding scale that is enabled at 58°F and circulates water at 100°F and as it gets colder outside, the water in the system gets hotter so at 5°F the water temperature is 190°F, water temperature is linear between these two points. This outdoor reset is sufficient to maintain the building set points and not waste energy that is not needed to support the building.

Before reporting a heat issue, please check the following:

1. Position of room control; 0=OFF (cold), 8=ON (heat)
2. Air flow restricted by furniture; 4" minimum clearance for heat convection.
3. Windows closed and properly latched.
4. Added heat source by room control; Lamps, Computers, Small refrigerators all produce heat that will affect the room sensor operation.