

## Danawell Dorm



Heating & Cooling System Description  
and  
How it works.

## SWARTHMORE COLLEGE

For Maintenance requests  
Email [workbox@swarthmore.edu](mailto:workbox@swarthmore.edu) or  
Phone X 8280

## Room Heating Tips.

Be certain that windows are shut tightly.  
Don't forget the upper section of the window.  
Windows that are not completely closed allow cold air into the room.  
If your windows won't shut properly call  
Workbox at x8280 to report the problem.

Closing your window shades or  
draperies can help keep the cold out.

Don't place heat producing lamps  
or other appliances near the thermostat  
as this can fool the thermostat into  
reducing the heat supplied to the room.

Be certain that nothing blocks the air into  
or out of the vents on the heating unit as this  
prevents the unit from heating the rooms air.

The heat for Danawell dorm is supplied by air source heat pumps located on the roof of the building.

These heat pumps use electricity to run compressors that pump refrigerant through coils on the roof where heat is extracted from the outside air. The warm refrigerant then enters the compressor where it is pressurized into a hot liquid. The liquid then flows to each room's heating unit. The room air is then blown through the heating unit where it picks up the refrigerant's heat and warms the room. The cool refrigerant then flows back to the roof top units to start the cycle over. This flow is reversed in the warmer months to cool the rooms.

Each room has it's own thermostat to control the space temperature. The occupants can adjust the temperature up or down to suite their needs.

College policy for heating in occupied times 68-72°. Thermostats are limited by the automation system to a maximum heating temperature of 72° and not lower than 64°.

The building is either heating or cooling and as such cooling can not be provided until the heating season is finished. Cooling is only provided in students room by permission of the Deans.

More College energy information can be found at;

<http://www.swarthmore.edu/x29161.xml>



## Danawell new addition heating system.

Warm or Cool  
air out

Room temperature  
setting display.

Press and hold for 3 seconds  
to see room temperature

Room air in to be heated or cooled.  
(Don't block this area!)

Press to adjust  
Temperature up or down.

