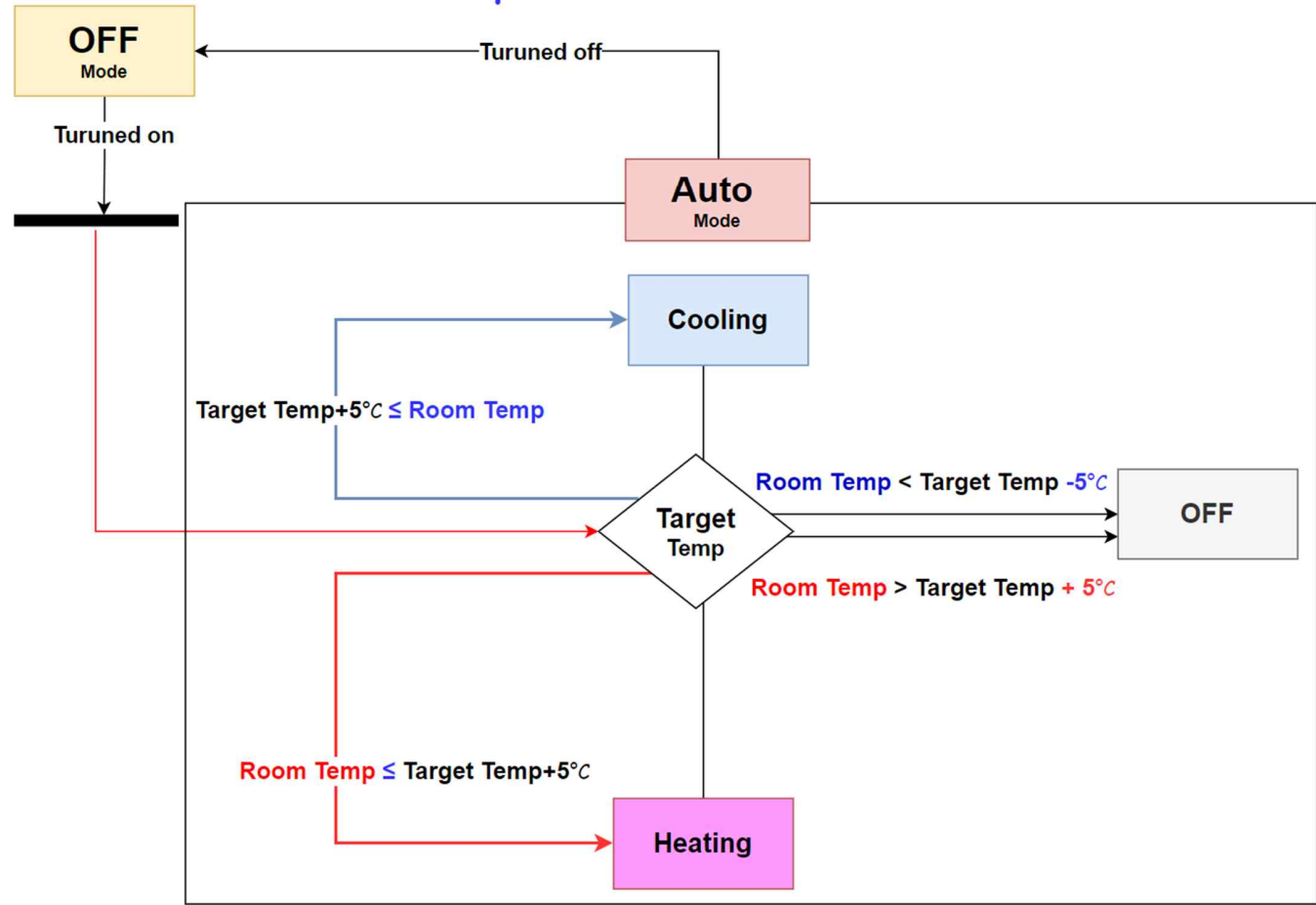


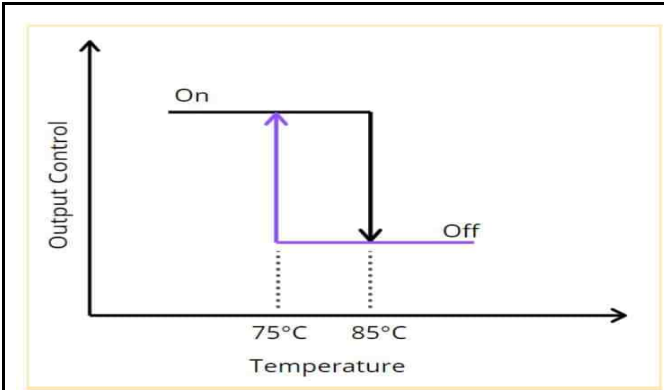
Thermostat FSM

- Room temp : Sensing temperature
- Target temp : Setting temperature.
- \* 5°C degrees( hysteresis of 5°C)

power state machine



Definition of Temperature Hysteresis



An example of temperature hysteresis with a set point of 80°C.

In a temperature controller, temperature hysteresis is defined by a minimum and maximum temperature value, where the heat will be turned on and off respectively.

For example, if the Room's temperature is to be maintained at 80°C with a hysteresis of 5°C, the cooling fan will activate when the temperature reaches 85°C and turn off when the temperature drops to 75°C.