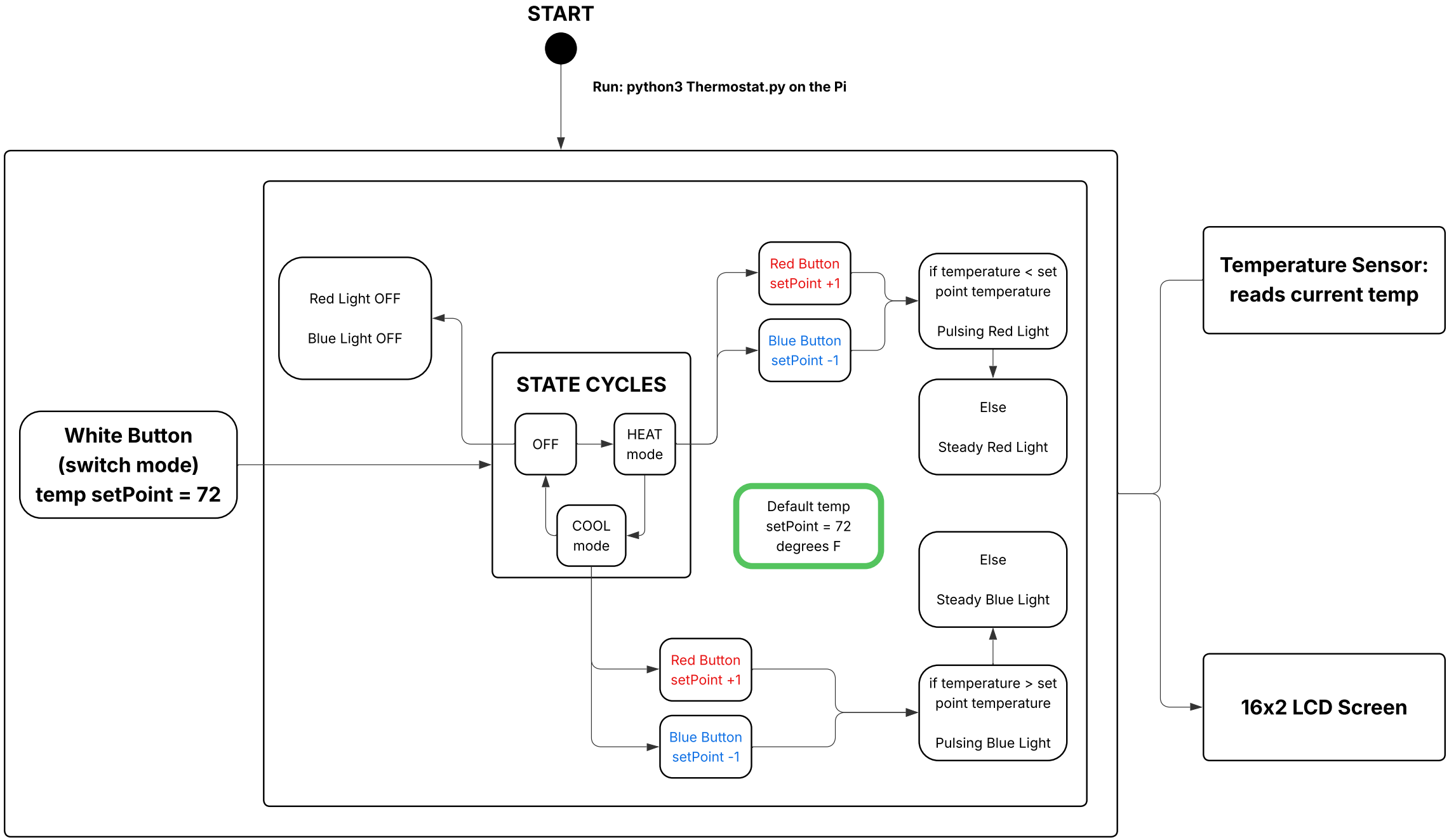
START
Run: python3 Thermostat.py on the Pi
Red Light OFF
Blue Light OFF
White Button
(switch mode)
temp setPoint = 72
STATE CYCLES
OFF
HEAT
mode
COOL
mode
Red Button
setPoint +1
Blue Button
setPoint -1
if temperature < set
point temperature
Pulsing Red Light
Else
Steady Red Light
Default temp
setPoint = 72
degrees F
Red Button
setPoint +1
Blue Button
setPoint -1
if temperature > set
point temperature
Pulsing Blue Light
Else
Steady Blue Light
Temperature Sensor:
reads current temp
16x2 LCD Screen