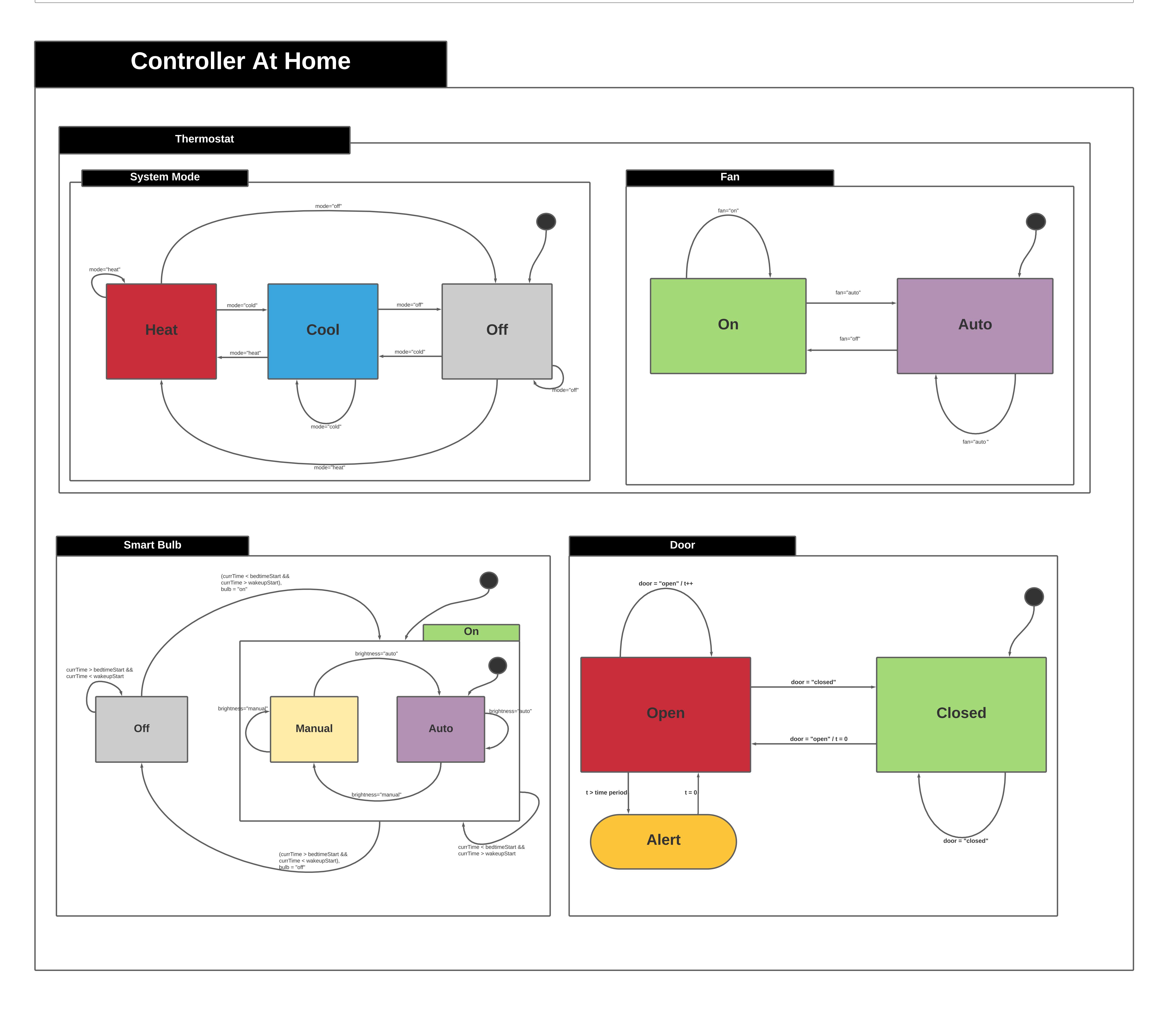
Smart House State Machine Diagram



Average Hourly Power Consumption

AC_val: 3000W Heater_val: 15000W

Ohr < AC_timeActive < 1hr Ohr < Heater_timeActive < 1hr

Total Watts per Hour : (AC_val * AC_timeActive) + (Heater_val * Heater_timeActive)

System Mode

AC Active : Greater than (72 + Hysteresis)°F Heater Active : Less than (72 - Hysteresis)°F

Hysteresis: 1°F