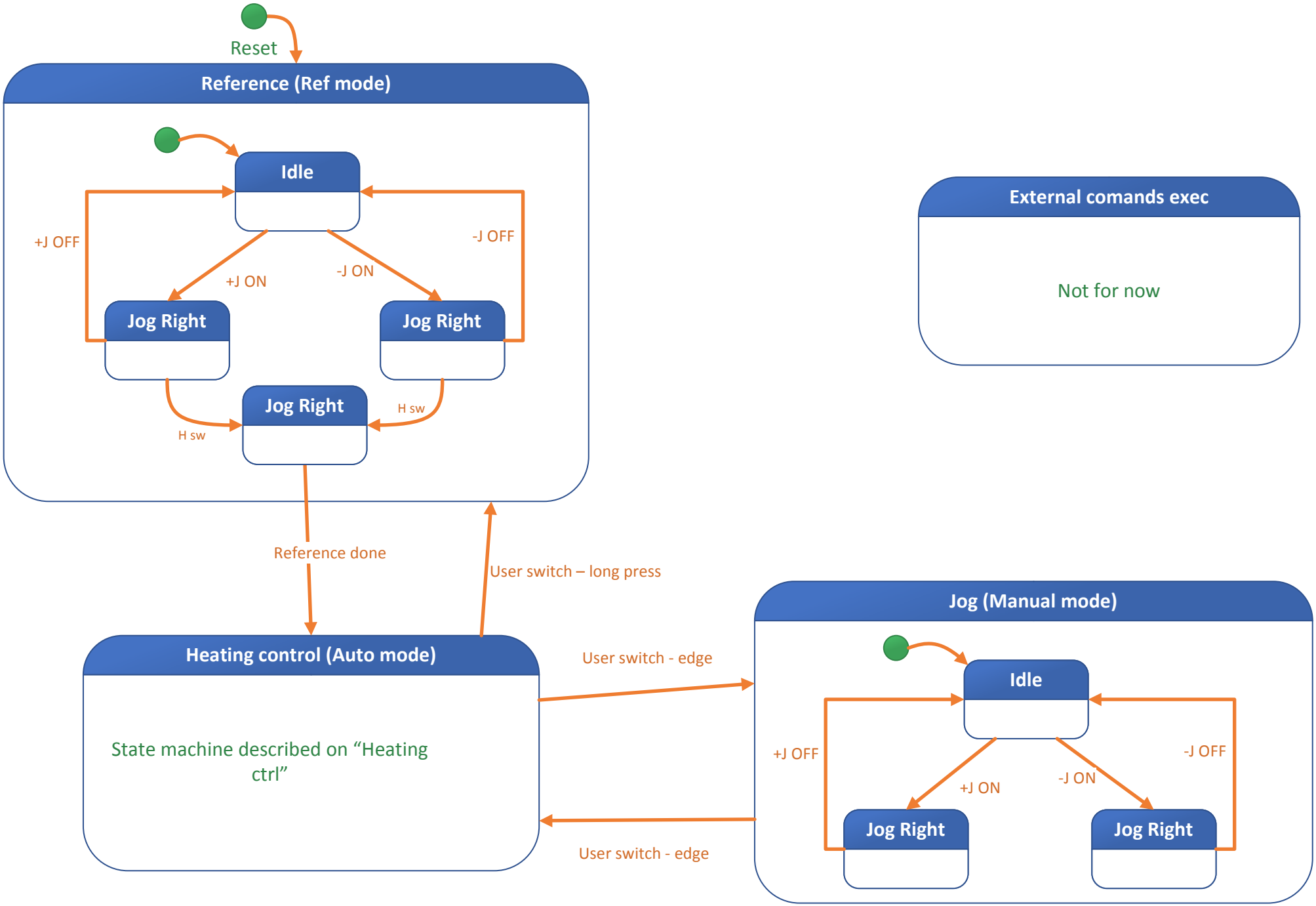
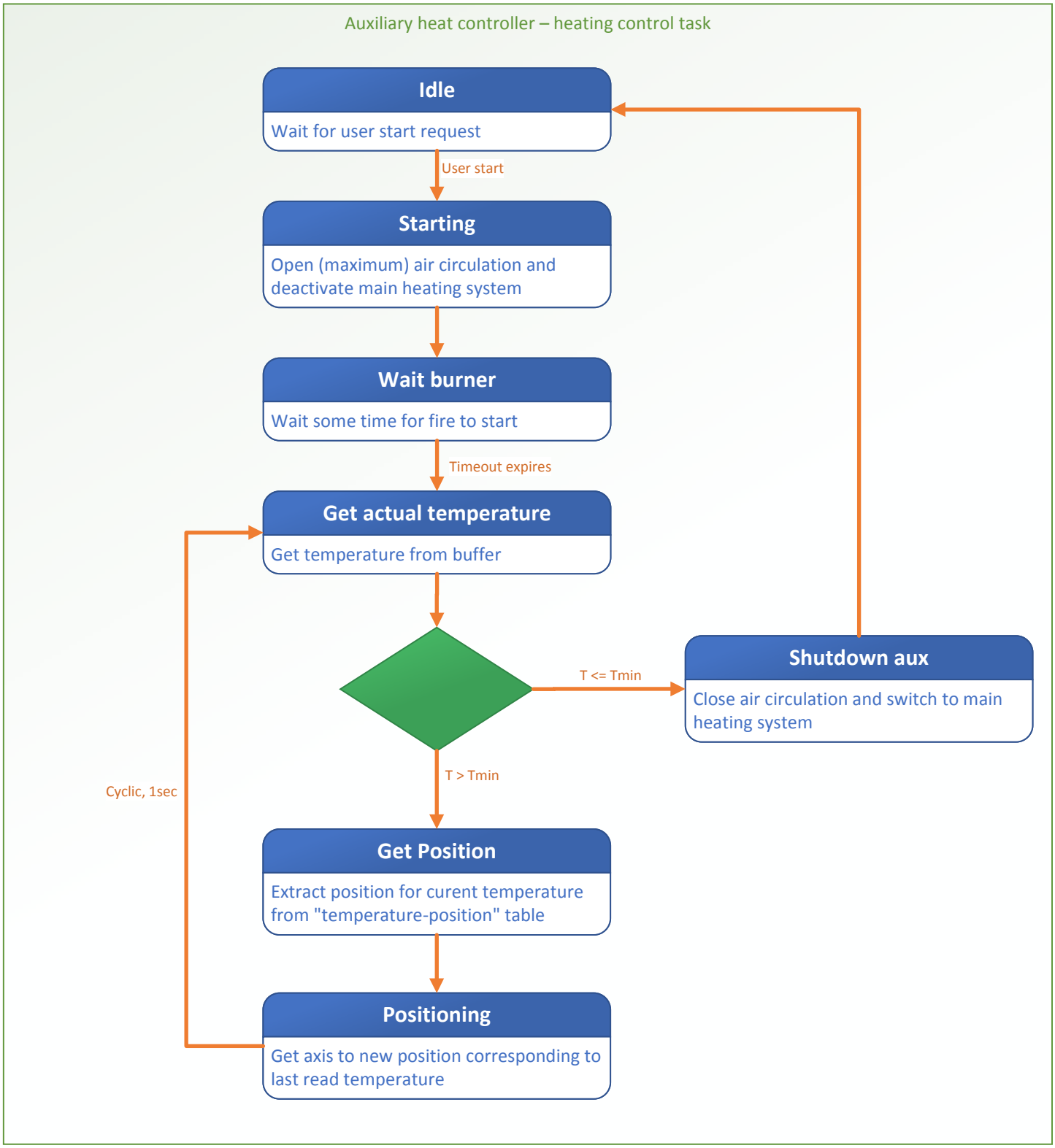
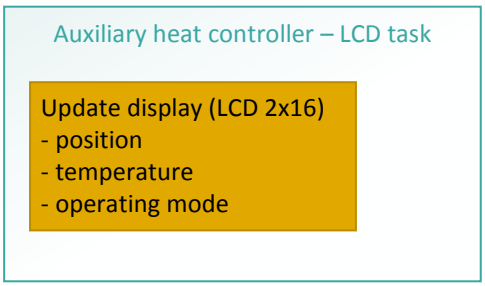
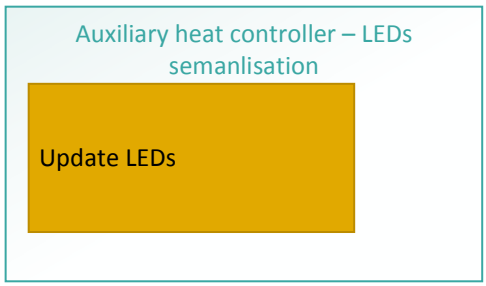

Reset
Reference (Ref mode)
Idle
+J OFF
-J OFF
+J ON
-J ON
Jog Right
Jog Right
Jog Right
H sw
H sw
External comands exec
Not for now
Reference done
User switch – long press
Heating control (Auto mode)
State machine described on “Heating ctrl”
User switch - edge
User switch - edge
Jog (Manual mode)
Idle
+J OFF
-J OFF
+J ON
-J ON
Jog Right
Jog Right


Auxiliary heat controller – heating control task
Idle
Wait for user start request
User start
Starting
Open (maximum) air circulation and deactivate main heating system
Wait burner
Wait some time for fire to start
Timeout expires
Get actual temperature
Get temperature from buffer
T <= Tmin
Shutdown aux
Close air circulation and switch to main heating system
T > Tmin
Cyclic, 1sec
Get Position
Extract position for curent temperature from "temperature-position" table
Positioning
Get axis to new position corresponding to last read temperature


Auxiliary heat controller – LCD task
Update display (LCD 2x16)
- position
- temperature
- operating mode


Auxiliary heat controller – LEDs semanlisation
Update LEDs