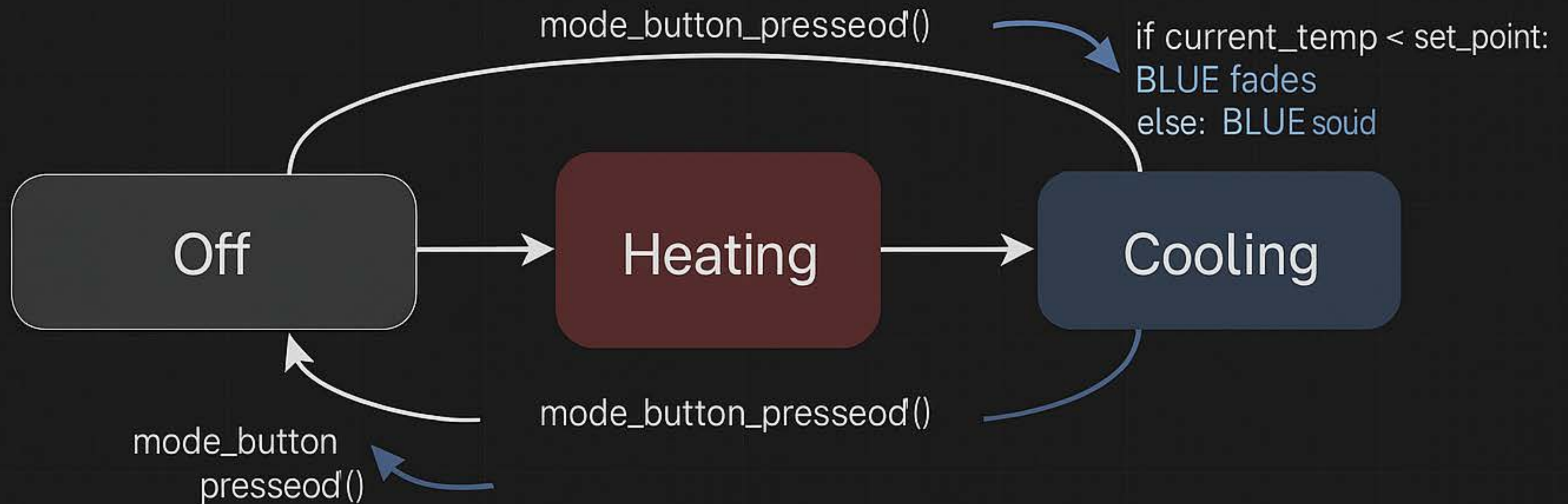


Smart Thermostat — State Machine



Notes

- Button 2 (UP): `set_point += 1°F`
- Button 3 (DOWN): `set_point -= 1°F`
- LCD: Line 1 = date/time; Line 2 alternate between temperature and 'STATE SP: x1°F'
- UART every 30s: "state,current_temp,set_point"

Legend

- Solid LED: at set point
- Fading LED: actively heating/cooling
- `mode_button_pressed()`; cycles Off → Heat → Cool → Off