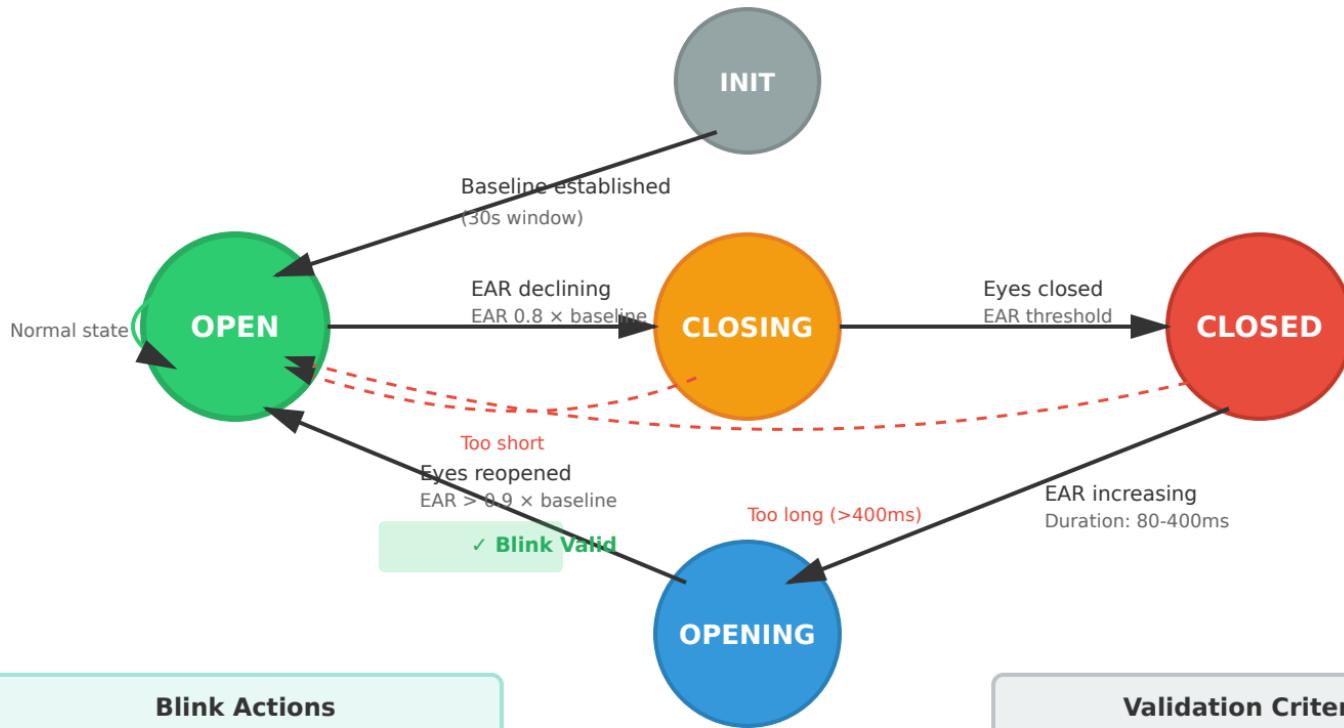


Five-State Blink Recognition Finite State Machine



Blink Actions

- Left eye → Left click
- Right eye → Right click
- Both eyes → No action
- Double blink → Double-click

Validation Criteria

- Duration: 80–400 ms
- Amplitude: $\geq 25\%$ EAR drop
- Complete closure verified
- Cooldown: 150 ms