Fingerprint reader

Ready

Device capacitor fires

FM turns override key

Recognizing

Finger lifted before algorithm completed

Algorithm completed, but no match

Got a match

Logging

log (name, entry time)

log complete/open gate

Gate open

log complete

After 5 seconds/close gate

Gate closed

FM override: OverrideSM

Logging

log ("failed", time)

log ("no read", time)
OverrideSM

- Logging
  - log ("O/R start", time)

- Gate open
  - log complete/open gate

- Gate open
  - FM resets override/close gate

- Logging
  - log ("O/R reset", time)

- Gate closed