Fingerprint reader

Power on

Ready

Fingerprint reader

Device capacitor Fires

Recognizing

Got a match

Logging log(name, entry time)

algorithm completed but no match

Finger lift before algorithm completes

Logging log("fail", entry time)

log complete or logging fails/open gate

Gate open

Logging log("no read", entry time)

log complete or logging fails/close gate

IR sensor detects passage/close gate

After 5 seconds/close gate

Gate closed

Validating key

key invalid or any other issue

Logging log("FM key")

Key valid

Logging log complete or logging fails/open gate

log complete or logging fails/close gate

Key invalid or any other issue

Logging log complete or logging fails/close gate
log("FM key", entry time)
log complete or logging fails/close gate

key removed

Erroneous key in slot
send alert message to security manager

or logging failed/open gate

Gate Open
key removed from slot

logging