SIMPLESTATES - DATASHEET

ExpirySignal [ID: EXP-01]

Temporal validity fact emitter. Deterministic given stored state + time source.

DATA PLATE

- Input: operator writes (expiresAt / expiry window)
- Output: expired / not expired at read time
- Reads: no side effects
- Execution: read-time only (no scheduling / no background execution)
- Time source: your clock (correctness is your responsibility)
- Deps: PostgreSQL

INVARIANTS

- Not expired != authorized
- Absence of an expiry record is not permission
- Returned state is application-evaluated

NON-GOALS

- Scheduling actions
- Token/session revocation
- Background jobs / cron
- Request blocking
- Security/safety guarantees

FAILURE MODES

- Clock skew -> different readers disagree
- Missing/delayed expiry write -> reads wrong
- Identifier mismatch -> wrong entity state returned
- Database/network failure -> read failures

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Self-hosted evidence and fact artifacts.
StateMirror preserves evidence. Companion primitives expose focused facts.
Applications own decisions and outcomes. Verification checks evidence integrity.