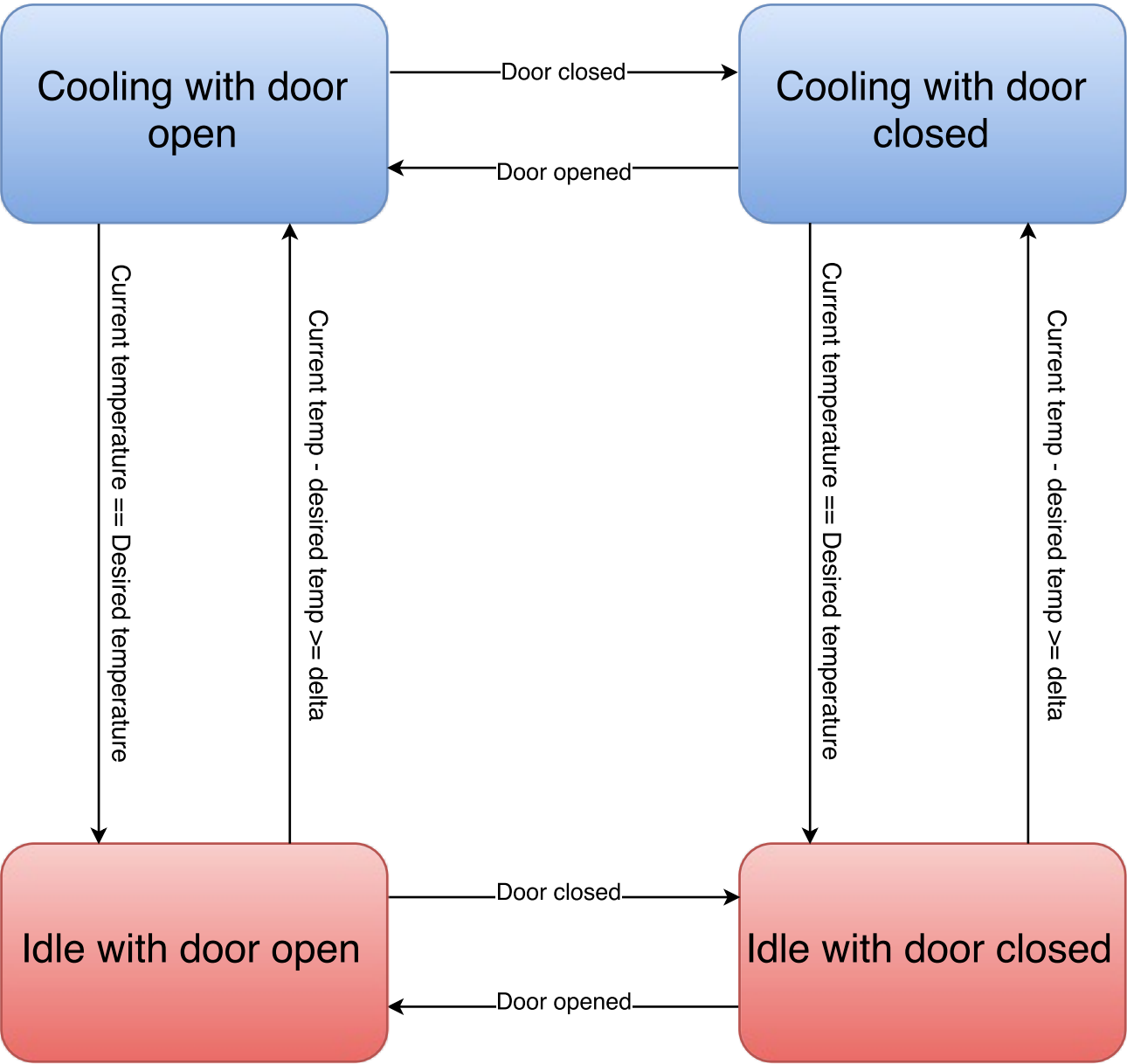Diagram for a component (fridge / freezer). A refrigerator contains two of these components which work independently (except for the clock ticks)

```
┌─────────────────────┐                                    ┌─────────────────────┐
│                     │─────── Door closed ──────────▶     │                     │
│  Cooling with door  │                                    │  Cooling with door  │
│       open          │◀────── Door opened ──────────      │      closed         │
│                     │                                    │                     │
└─────────────────────┘                                    └─────────────────────┘
     │            ▲                                              │            ▲
     │            │                                              │            │
Current          Current temp                              Current          Current temp
temperature      - desired                                 temperature      - desired
== Desired       temp >= delta                             == Desired       temp >= delta
temperature                                                temperature
     │            │                                              │            │
     ▼            │                                              ▼            │
┌─────────────────────┐                                    ┌─────────────────────┐
│                     │─────── Door closed ──────────▶     │                     │
│  Idle with door     │                                    │  Idle with door     │
│       open          │◀────── Door opened ──────────      │      closed         │
│                     │                                    │                     │
└─────────────────────┘                                    └─────────────────────┘
```

Legend:

┌─────────────────────┐
│   Instance of   │
│ `refrigerator.CoolingState` │
└─────────────────────┘

┌─────────────────────┐
│   Instance of   │
│ `refrigerator.IdleState` │
└─────────────────────┘