# Remootio Adapter State Diagram

Prototype 2024−05−13

Conditions:

| | | |
|---|---|---|
| up | Remote "open" requested |
| down | Remote "close" requested |
| home | Home limit switch closed |
| p1 | P1 elapsed/counter reached |
| p2 | P2 elapsed/counter reached |
| max | Max elapsed/counter reached |
| reset | Power on/Reset |
| error | Timeout waiting on home sensor |

States and transitions:

- AT H (self-loop: up)
- AT H → MOVE H–P1 (down)
- MOVE H–P1 ⇄ STOP H–P1 (up/down, down)
- MOVE H–P1 → AT P1 (p1)
- AT P1 → MOVE P1–P2 (down)
- AT P1 → MOVE –H (up)
- MOVE P1–P2 ⇄ STOP P1–P2 (up/down, down)
- MOVE P1–P2 → AT P2 (p2)
- STOP H–P1 → MOVE –H (up)
- STOP P1–P2 → MOVE –H (up)
- AT P2 → MOVE MAN (up)
- AT P2 → MOVE MAN (down)
- * → STOP ? (reset)
- STOP ? ⇄ MOVE –H (up/down, up)
- STOP ? → MOVE MAN (down)
- MOVE –H → AT H (home/error)
- MOVE MAN (self-loop: up/down/max)
- MOVE MAN → AT H