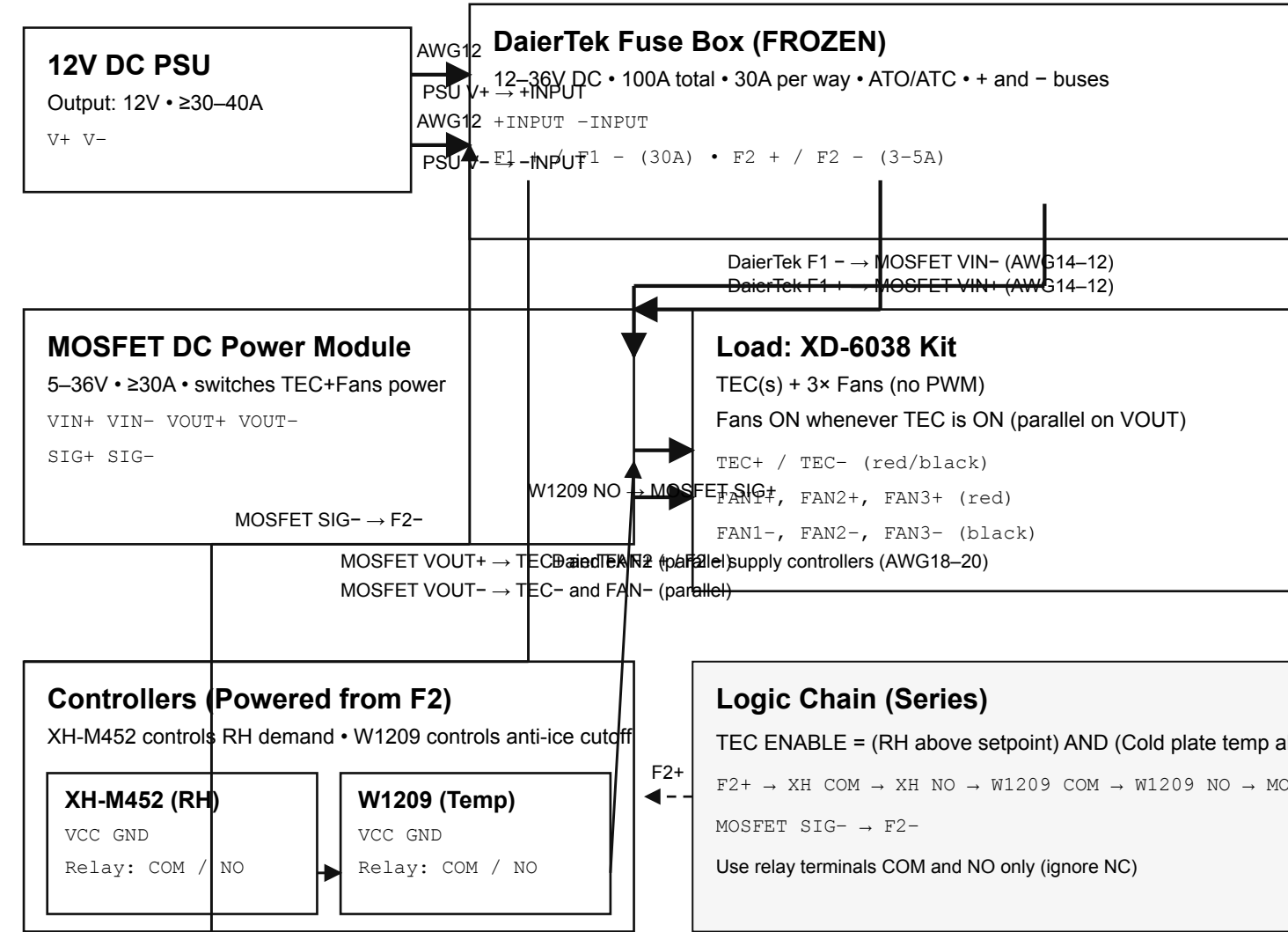


# TEC Dehumidifier MVP — Wiring (DaierTek Fuse Box + Fans)

Frozen parts: DaierTek Fuse Box (100A total, 30A/way, ATO/ATC) • PSU 12V ≥30–40A • MOSFET ≥30A • XH-M452 + W1209

**Legend:** Thick lines = high current (AWG12–14). Thin lines = low current (AWG18–20). Dashed = logic chain.



- Build Notes (MVP)**
- Install fuses: F1=30A (TEC+Fans), F2=3–5A (controllers). Keep other slots empty.
  - 1-TEC mode: disconnect TEC2 + and – and insulate. 2-TEC mode: reconnect.
  - Fans must be wired to MOSFET VOUT so they run whenever TEC runs.
  - Keep high-current wires short; tighten all screw terminals firmly.

