

Automation Ready Panels

UL 508A Panel Installation & Modification Checklist

Educational checklist only. Does not replace NEC/NFPA requirements, manufacturer instructions, or AHJ decisions. Last updated: October 5, 2026.

1. Installation checklist

- Supply voltage matches panel markings
- Phase matches; frequency matches where applicable
- Load/current within ratings
- Available fault current $\leq$ marked SCCR
- Enclosure type appropriate for environment
- Field conductors match terminal requirements
- Grounding and bonding correct
- Field-installed components reviewed
- Unused openings properly closed
- Penetrations preserve environmental rating
- Ventilation/cooling maintained; clearances maintained
- External/remote equipment not assumed covered by panel certification
- Multiple power sources handled per drawings/markings
- Field wiring follows drawings and adopted code

2. SCCR check

- Available fault current documented (value + calculation date)
- Panel marked SCCR recorded from nameplate
- Marked SCCR $\geq$ available fault current
- If not, stop — engineering / AHJ review before energization
- No guessed fault-current values

3. Field-modification checklist

- Original panel builder contacted before change
- Serial number, drawings, nameplate photo, interior photo collected
- Exact catalog numbers for removed/added parts listed
- Power circuit / branch protection / SCCR impact assessed
- Enclosure openings / environmental rating assessed
- Revised drawings available or requested
- AHJ notified if required by local practice

4. Label verification

- UL / certification Mark present and legible (if certification was required)
- Nameplate includes required electrical ratings and SCCR (as applicable)
- If Mark missing: determine certified-but-unlabeled vs never-certified
- Do not self-apply a mailed UL sticker

5. Documentation check

- Schematics / wiring diagrams on hand
- Bill of materials / component list
- Customer specification / required mark stated
- Canada / hazardous-location requirements noted if any

6. AHJ / field-evaluation note

The authority having jurisdiction decides installation acceptance. After field modification, the original evaluation may not cover the modified condition. Field inspection (eligible certified-but-unlabeled cases) and field evaluation (unlabeled/modified equipment) are different certification-body services. Confirm current eligibility with the certification body.

7. ARP review CTA

Automation Ready Panels — configurable Allen-Bradley industrial control panels. Qualifying configurations: quoted, designed, programmed, and shipped in 7–10 business days (UL/field-evaluation work may take longer). Contact: <https://www.automationreadypanels.com/contact/> · 314-916-1097 · sales@automationreadypanels.com · we'll respond within 30 minutes.

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