



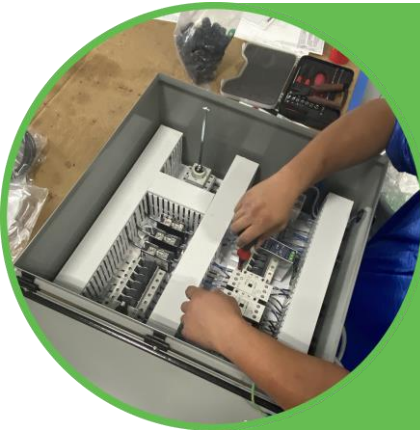
AUTOMATION SOLUTIONS LLC

QUALITY PROTOCOL

APPLYING HIGH STANDARDS ACROSS CONTROL PANEL PRODUCTION

The Automation Solutions LLC electrical panel shop is built on a foundation of precision, safety, and reliability. Our quality protocol follows relevant ISO standards, ensuring our procedures result in every panels' production meeting the highest standards—from inventory control to final inspection.

This proven protocol has led to the production of hundreds of electrical panels operating flawlessly in the marketplace. Our customers have found our process exceeds their desire for quality & reliability without the exorbitant price tag sought by other suppliers.



Regardless of the project's scale, every customer can be assured the same meticulous process is applied. With projects ranging in scope from running an entire manufacturing operation's shop floor to simple electrical boxes - we abide by the recommended codes & standards while using industry-leading parts & equipment.



RECOMMENDED CODES & STANDARDS:

Where applicable, we follow relevant electrical organizations' standards such as (but not limited to): NFPA (National Fire Protection Association), UL (Underwriters Laboratories), NEMA (National Electrical Manufacturers Association), CSA (Canadian Standards Association) and others.



Design and fabrication of UL508A, 698A, and 1203, industrial control panels, and control for use in hazardous locations.



Standards outlining minimum electrical system requirements per the National Fire Protection Association.

"At Automation Solutions LLC, we've established a quality protocol for panel building providing our customers with the assurance their panels will perform without the excessive costs incurred at many typical builders." **Chuck Trotter, Panel Shop Supervisor**

Partner with Automation Solutions LLC for electrical panels engineered with precision, delivered with confidence, and backed by proven quality procedures.



ELECTRICAL PANEL SHOP QUALITY PROTOCOL

All steps performed by qualified technicians using calibrated tools & PPE, ensuring safety & performance.

RECEIVING CONTROL: Quality Starts At The Dock



All incoming materials are subject to a rigorous check-in protocol. These steps ensure every component meets our strict standards before they ever reach the assembly floor.

- Verification against purchase orders to ensure accuracy.
- Inspection for damage and conformity with NEC and UL standards.
- Quarantine procedures for non-conforming items.

INVENTORY MANAGEMENT: Organized For Excellence



Our inventory system is tightly aligned with our wiring procedures to ensure every component is accounted for before assembly begins. This meticulous approach ensures that only verified, high-quality parts enter the wiring process.

- Cross-reference all parts with the Bill of Materials (BOM) during pre-wiring preparation.
- Inspect components for damage and verify compatibility (e.g., voltage ratings, terminal sizes).
- Label and organize components for easy identification and traceability.

WIRING PROCEDURE: Built For Safety & Performance



Our standardized wiring process ensures compliance with NEC, OSHA & local codes. Highlights:

- Pre-Wiring Preparation: Reviewing schematics, gathering tools, and inspecting components.
- Panels: Cleaned, sealed, and labeled with voltage ratings and safety warnings.
- Component Installation: Mounting and labeling components, installing wire ducts.
- Wiring Process: Routing, connecting, grounding, and labeling wires with precision.
- Testing and Verification: Visual inspections, continuity tests, and power-on diagnostics.

SHIPPING CONTROL: Secure & Documented



Our shipping procedures are designed to protect your investment:

- Each panel undergoes a final inspection & continuity check by a supervisor or quality control inspector prior to shipping.
- Updating schematics, recording test results, and delivering a clean, secure panel is a part of the documentation and handover process provided with every shipment.
- Panels are packaged securely and shipped via trusted logistics partners with tracking and delivery confirmation.



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