



➤ INDUSTRIAL CONTROL EQUIPMENT

## UL's Industrial Control Panel Program

The UL Listing Mark on an industrial control panel (ICP) provides evidence to satisfy the increasing number of inspection authorities requiring third-party safety certification and your customers demanding the same. The UL Listing Mark may be applied to a wide variety of designs, ranging from one-of-a-kind panels to standardized designs with only minor variations.

### UL 508A: the most widely accepted standard for control panels in North America

UL 508A includes requirements covering industrial control panel enclosures and industrial control panels for general use, as well as specific use panels for industrial machinery, air conditioning and refrigeration, crane control, elevator control, flame control, marine use and use as service equipment. UL Listing Marks are available for:

- **Industrial control panel enclosures** — Empty enclosure with one or more enclosure type ratings intended to be used as part of an enclosed ICP at the factory or for field installation.
- **Enclosed industrial control panels** — Industrial control panel installed within a complete enclosure at the panel manufacturer's location.
- **Open industrial control panels** — An industrial control panel that includes factory wiring, field wiring terminals and components mounted on a sub-panel without a complete enclosure. The enclosure is intended to be supplied/completed at the installation.

### UL understands your ICP compliance issues

UL helps manufacturers address the critical issues facing the industrial control panel industry:

- **Compliance to Article 409** — Article 409 outlining installation requirements for industrial control panels will be included in the 2005 edition of the National Electrical Code®, NFPA 70. With certification to UL 508A, your panel can be installed as required by Article 409 and the NEC.
- **One Mark, two countries** — The U.S./Canada combination UL Listing Mark on an industrial control panel provides immediate acceptance by inspection authorities in the United States and Canada and increases the marketability of your products.
- **Increased component sourcing** — In November 2003, UL and CSA International announced a formal Component Acceptance Agreement that permits acceptance of specific components for use in end-products, including industrial control panels. This agreement gives UL customers even more flexibility when sourcing components because CSA certified components covered by the agreement can now be used in UL Listed panels in addition to UL Listed and UL Recognized Components already permitted under the scope of the ICP program.
- **Control panels for hazardous locations** — Articles 500-505 of the National Electrical Code®, NFPA 70, outline requirements for installation of end-products into or relating to classified (hazardous) locations. With additional certification under the UL hazardous locations panel program, your panel can be installed as required by Articles 500-505 of the Code. Contact UL's HazLoc team for specific details or visit [www.ul.com/hazloc](http://www.ul.com/hazloc).

Add instant credibility to your panels with the UL Mark.

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For more information: T:: 1.877.854.3577 / W:: [ul.com/controlpanel/icp.html](http://ul.com/controlpanel/icp.html)





the standard in safety

Underwriters  
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**UL works as your business partner**

UL provides manufacturers with solutions to get products to more markets, faster:

- **Market acceptance** — The UL Listing Mark on an industrial control panel provides the surest route to immediate acceptance by inspection authorities in the United States and Canada and increases the marketability to end-product manufacturers.
- **Technical expertise** — UL's Primary Designated Engineers (PDEs) are on the leading edge of industrial control equipment standards globally. UL's public and private workshops give you a way to tap into their knowledge; for more information, go to [www.uluniversity.com](http://www.uluniversity.com).
- **Scope of services** — Consolidate your certification services under one umbrella organization and start saving time and money. UL provides the most comprehensive conformity assessment services throughout the entire product cycle, from design to distribution.



**02** For more information: T:: 1.877.854.3577 / W:: [ul.com/controlEquipment/icp.html](http://ul.com/controlEquipment/icp.html)