

## **Hefner Electric is UL Listed**

Most states and municipalities in U.S. no longer require the building inspector to approve/reject industrial control panels. They instead require an agency approval.

UL is the most common approval. Having the UL mark on an industrial control panel means that the inspector only has to look at the installation of the control panel for compliance with NEC or local codes. In fact, without the UL mark (or similar agency approval) most municipalities will not pass your final inspection until you have the panel inspected and a sticker stating so affixed to the panel by an approved agency. This can be very costly when done after the fact.

**Underwriter's Laboratories** has authorized **Hefner Electric** to affix the UL508 label to the products produced by its Panel Fabrication Shop. This is both an honor and a responsibility that **Hefner Electric** is proud to offer you.

The UL mark, when applied to an industrial control system, is a symbol of Quality, Reliability, Compliance with NEC and NFPA standards, as well as Safety. This UL classification is referred to as UL508.

An Industrial Control System that bears the UL508 mark is accepted by building inspectors Nation Wide. This precludes costly site evaluations by local authorities.

The UL508 mark indicates to you that all details of the integration of the components within this enclosure were done consistent with the manufacturer's specifications and that the interconnecting of these components meets or exceeds any other Code requirements.

What we must do before affixing the UL sticker on your panel:

1. Each component in a UL508 system is evaluated for compliance with: UL, Electrical Safety, NEC/NFPA codes.
2. Each component must be approved for use in the application. Each component is also evaluated for compatibility with other components in the system.
3. The circuits and circuit protection within the panel must be engineered for compliance with UL and safety. This engineering process starts incoming power source, and ends at the field devices that are energized by this system.
4. The Panel must be engineered so as not to compromise any of the components ratings. Careful attention is paid to clearances, wire bending space, proximity to foreign voltage, finger safety, and compatibility with the environment that the panel will be subjected to.
5. Conductor size and routing must meet UL specifications.
6. Conductors used must be UL listed for use in an industrial control panel.
7. Affix informational stickers such as: Fuse Charts listing each fuse and its rating, tightening torque charts for any field screw connections, incoming power rating,

rating of field devices powered by this system, and wire sizing/circuit protection information for the installer.

All of these requirements must be met!

Our engineering department is trained in UL Compliance, our panel assemblers know the UL drill, and we have the resources of Underwriter's Laboratories at our disposal.

The UL mark is a symbol of **Quality and Safety** – Giving you one more reason to look to **Hefner Electric** for your next project.