



Automated Openings LLC

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Subject: UL 508A Certification

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We are excited to announce that the Automated Openings LLC control system is now UL 508A certified. With OSHA requirements being vigorously enforced in the residential home building industry, we at Automated Openings LLC have adhered to these standards and are building each standard door automation system per UL 508A specifications.

Why is this important to you? We will let OSHA answer that below:

OSHA defines the building owner, facility or property owner as the "employer". Employers must comply with OSHA requirements applicable to their operations. **These requirements are within US laws.**

Under the Occupational Safety and Health Administration (OSHA) Act of 1970, OSHA uses Federal regulation Title 29 of the Code of Federal Regulations, Paragraph 1910.303, Subpart S (29CFR 1910.303 (S)), which requires that all conductors and **equipment are approved (listed)**, it also requires electrical equipment to be examined, to ensure it is free of hazards likely to cause harm to employees and be suitable for installation (by listing or labeling).

In addition to OSHA requirements, which cover only the workplace, the USA relies on local building codes to ensure safe electrical installations. These codes are based on the requirements of the **National Fire Protection Agency, standard NFPA 70**, also known as the National Electrical Code (NEC). This code is adopted universally by state and local inspectors who are empowered by their authority having jurisdiction (AHJ).

OSHA Electrical Standard (Subpart S) requires that all electrical products installed in the work place be **listed, labeled** or otherwise determined to be safe by a Nationally Recognized Testing Laboratory (NRTL). OSHA places the responsibility of this squarely on the Employer. Nationally Recognized Testing Laboratories (NRTL) have the knowledge, wherewithal, and test equipment to test and evaluate products for safety. A NRTL will perform tests on a product based on a specific nationally recognized safety standard. After the product has been tested and found to comply with the safety standard, the product is considered to be free from reasonably foreseeable risk of fire, electric shock, and related hazards. The product is then "listed" and will have a listing marking (label). As you work with electrical products, make sure the product has a listing marked on it from a NRTL. One of the most important NRTL in USA are **UL (Underwriters Laboratories, Inc.)** and ITS (Intertek Testing Services). Those are highly qualified, nationally recognized testing laboratories with several testing laboratories in the United States and service locations in several other countries.

A control panel shall be designed, manufactured and tested by the last version of following codes or standards:

- Federal:
NEC, National Electrical Code, Art. 409 – Industrial Control Panels
- Local codes: **UL508A - Industrial Control Panels**,

How can you be certain if the product you are using is in compliance with OSHA or UL?

UL 508A is the UL standard for the construction of Industrial Control Panels. This document gives guidelines to panel builders on various issues including proper component selection, wiring methods and calculation of short circuit current ratings. If a panel builder follows UL508A's construction requirements and recommendations, they can apply to have their panel listed by UL. **Upon successful inspection, the panel would bear the UL label. A UL label signifies that the panel builder has met the requirements of UL508A, and that their panels are subject to inspection by UL field representatives.** Industrial control panels rated not more than 600 volts and for installation in ordinary locations are specified in UL 508A, the Standard for Safety of Industrial Control Panels. The requirements in the outline are based on UL 508, the Standard for Safety of Industrial Control Equipment; the national electrical code, NFPA 70; and the standard for industrial machinery, NFPA 79. This category covers industrial control panels, which are factory-wired assemblies of industrial control equipment, such as motor controllers, switches, relays and auxiliary devices. The panels may include disconnect means and motor branch-circuit protective devices. An industrial control panel does not include the controlled loads, including motors, luminaires, heaters, or utilization equipment. An enclosed industrial control panel is comprised of the enclosure, **all components located within the enclosure, and all components mounted to the walls of the enclosure.**

Each standard system from Automated Openings will be certified by a UL certified panel builder and shipped to you with UL's label of approval with matching serial number for authenticity.

Your personal safety and the safety of your home is top priority for us!

If you have any questions or comments please contact us at:

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Sincerely,

Chris Miller
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