



UL 508

STANDARD FOR SAFETY

Industrial Control Equipment

UL Standard for Safety for Industrial Control Equipment, UL 508

Eighteenth Edition, Dated March 30, 2018

Summary of Topics

This revision of ANSI/UL 508 dated July 8, 2021 includes the following changes in requirements:

- ***Correction of Fahrenheit temperature values in [Table 45.2](#)***
- ***Update to lithium battery requirements; Section [31](#) and [72.14](#)***
- ***Clarification of the use of Table 45.2 (Maximum enclosure surface temperature rises); [45.2](#), [45.3](#) and [45.4](#)***
- ***Correction to DC Offset Test for dimmers; [Table 189.1](#) and [193.2](#)***
- ***Addition of LED driver rating; [Table 48.1](#), [68.1](#), [Table 69.4](#) and [70.11](#)***
- ***Revision of scope to reflect effective UL 60947 standards; [1.3](#), [1.11](#), [19.2.6](#), [Table 56.1](#), [Table 74.1](#), Sections [78](#) – [109](#), [163](#) – [186](#),***
- ***Ground current requirement for flush-device box switches controlling lighting loads; Sections [42.4](#), [66A](#), [68A](#), [70.40](#)***
- ***Withdrawal of UL 508C reference in UL 508, replacing UL 508C with UL 61800-5-1; [1.6](#)***

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The new/revised requirements are substantially in accordance with Proposal(s) on this subject dated July 17, 2020 and May 7, 2021.

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The most recent designation of ANSI/UL 508 as an American National Standard (ANSI) occurred on July 8, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

The Department of Defense (DoD) has adopted UL 508 on June 5, 1989. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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