

## STANDARD INFORMATION

**Standard Number:** UL 464

**Standard Name:** Audible Signal Appliances for Fire Alarm and Signaling Systems, Including Accessories

**Standard Edition and Issue Date:** 9<sup>th</sup> Edition Dated August 14, 2009

**Date of Revision:** August 14, 2009 and January 12, 2011

**Date of Previous Revision of Standard:** 8<sup>th</sup> Edition Revised February 14, 2008

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **February 28, 2019**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

**Overview of Changes:** Numerous Construction, Test, Marking and Performance changes. Specific details of new/revise requirements are found in table below.

**If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).**

### Client Action Required:

**Information** – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
<b>Revisions Dated August 14, 2009</b>		
43		<p>New Section:</p> <p>Protective Covers and Accessories for Audible Signal Devices – Harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts.</p> <p><b>Some products may require testing.</b></p>
40.12		<p>New Paragraph:</p> <p>Marking - “Do Not Paint” marking requirement harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <u>Engineering review will be required.</u></p>
35.2.3		<p>Revised Paragraph:</p> <p>Corrosion test - revision reflects current practice and harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <u>No testing will be required.</u></p>
12.3		<p>Revised Table:</p> <p>Maximum Surge Current - Requirement for the maximum surge current was revised and relocated in paragraph 13.4 and 13.5. Requirement harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <u>Testing may not be required.</u></p>
13.4		<p>Revised Paragraph:</p> <p>Maximum Surge Current - Requirement reflects dependency on operating range of product instead of a fixed maximum surge current. Requirement harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <u>Testing may not be required.</u></p>
13.5		<p>New Paragraph:</p> <p>Maximum Surge Current – Identifies “special applications” requirements which should be reflective of current practice. Requirement also harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <u>Testing may not be required.</u></p>
16		<p>Removed:</p> <p>Dust Test – No longer required. Harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts.</p>
Table 18.1		<p>Revised:</p> <p>Maximum Temperature Test Rise – Revision reflects requirements from UL 1971 and promotes uniformity between the two standards. Requirement will be harmonized between UL and ULC standards. <b>Testing is required.</b></p>



20.2	Revised Paragraph:  Endurance – This revision addresses the performance evaluation for <u>fire alarm</u> signals using a temporal pattern. Requirement harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts.  <b>Testing will be required for “fire signaling” apparatus.</b>
24	New Section:  Jarring – New test that will require a different test fixture that incorporates a steel plate. Requirement harmonizes with ULC-S525-07 as part of NEMA’s harmonization efforts. <b>Testing will be required for all products.</b>
<b>Revisions Dated January 12, 2011</b>	
39.1c	Marking – clarification of electrical rating requirements that are to be marked on the product.
39.13	Marking Permanence – new requirement to verify permanence of marking for indoor or outdoor applications in accordance with UL969
15.1	Environmental test – adds clarity by including tolerances. <b>Engineering review and possible testing will be required if testing occurred outside the specified tolerance.</b>
28.2	Environmental test – <b>humidity test environment was changed from 40C to 32C.</b> The R.H. specification was not revised. No additional testing will be required.
32.1	Environmental test – low ambient temperature testing was changed from -35C to -40C. Engineering review and testing will be required.
4.1.2	Environmental test – requirement was modified to allow for “moisture tight” enclosures to be used. For products employing a moisture tight enclosure additional testing and/or engineering review will be necessary.

**CUSTOMERS PLEASE NOTE:** This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.