

Standard Information

Standard Number: UL 1278

Standard Name: Movable and Wall- or Ceiling-Hung Electric Room Heaters

Standard Edition and Issue Date: 4th Edition Dated March 21, 2014

Date of Revision: May 3, 2016

Date of Previous Revision to Standard: 4th Edition Dated March 21, 2014

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **March 31, 2017**

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes (specific details of new/revised requirements are found in table below):

- Polymeric materials enclosure requirements.
- Wire size AWG for internal wiring based on circuit.

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).

Schedule: So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- July 29, 2016 = 8 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- September 30, 2016 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- **March 31, 2017** = Effective Date – ATM Suspended for all non-compliant Reports

Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment								
--	--	Polymeric Materials Enclosure Requirements								
7	Info	Enclosure								
7.10		<i>New clause added;</i> Product enclosures made of non-metallic materials housing current-carrying electrical connections shall have a flammability classification as follows: a) A minimum of V-0, VTM-0, or HF-1, in accordance with Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94, and IEC Test Flames 60695-11-10, or b) A minimum of SC-0 or SCTC-0, in accordance with Tests for Flammability of Small Polymeric Component Materials, UL 1694.								
12	Info	Polymeric Materials								
12.3		<i>New clause added;</i> Product enclosures shall be subject to the requirements in Section 7.								
--	--	Wire size AWG for internal wiring based on circuit.								
20	Info	Internal Wiring								
20.1.1		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i> The internal wiring of a heater shall consist of wires of a size and type or types that are acceptable for the particular application, when considered with respect to: a) The temperature and voltage to which the wiring is likely to be subjected, b) Its exposure to oil or grease, and <u>c) The current carried by the individual wires. Wire size AWG shall be based on the current carried by the internal wire (see Table 20.1 for minimum internal wire size guide), and</u> d) Other conditions of service to which it is likely to be subjected.								
Table 20.1		<i>New table added;</i> Minimum internal wire size guide based on current <table><tr><th>Current (Amps)</th><th>Nominal cross-sectional area mm²</th></tr><tr><td>> 0.2 and ≤ 3</td><td>0.519</td></tr><tr><td>> 3 and ≤ 10</td><td>0.823</td></tr><tr><td>> 10 and ≤ 16</td><td>1.31</td></tr></table>	Current (Amps)	Nominal cross-sectional area mm ²	> 0.2 and ≤ 3	0.519	> 3 and ≤ 10	0.823	> 10 and ≤ 16	1.31
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		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.								