

Standard Information

Standard Number: UL 875

Standard Name: Electric Dry-Bath Heaters

Standard Edition and Issue Date: 9th Edition Dated May 21, 2009

Date of Revision: November 11, 2016

Date of Previous Revision of Standard: 9th Edition Revised December 17, 2013

Effective Date of New/Revised Requirements

Effective Date: **January 17, 2018**

Impact, Overview, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: New and revised requirements for switches and batteries. Specific details of new/revised 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/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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
3B	Info	Component Specifications
3B.2		Button or coin cell batteries of lithium technologies
3B.2.1		The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory: a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and b) The appliance is intended for household use. Exception: Not applicable to appliances and accessories intended for use where the battery is not intended to be replaced and is not referenced in instructions and markings.
3C	Info	Safety Critical Functions
3C.1		Any function involved in the control, protection, and monitoring of safety-related attributes of a unit whereby a loss/malfunction of its functionality would represent an unacceptable risk of fire, electric shock, or casualty hazards would be considered a safety critical function.
3C.2		Electronic circuits that manage a safety critical function (SCF) shall be: a) Reliable as defined as being able to maintain the SCF in the event of single defined component faults; and b) Not susceptible to electromagnetic environmental stresses encountered in the anticipated environments of the appliance.
3C.3		Electronic circuits managing safety critical functions shall comply with: a) Supplement SA, Requirements for the Evaluation of Electronic Circuits; or b) The Standard for Automatic Electrical Controls for Household and Similar Use – Part 1: General Requirements, UL 60730-1, and its Part 2's as specified in this standard. The function shall be considered Class B.
3C.4		Functions specified in Table 3C.1 represent the common safety critical circuit functions of units. It is not intended to represent all possible safety critical functions.
19.1.1.1		Switches that comply with the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1, shall be rated as specified in 19.1.1.2 – 19.1.1.4.

Clause	Verdict	Comment
19.1.1.2		<p>Power switches shall be rated as follows:</p> <ul style="list-style-type: none"> a) For a voltage not less than the rated voltage of the appliance; b) For a current not less than the rated current of the appliance; c) For continuous duty; d) With respect to load: <ul style="list-style-type: none"> 1) A combination resistive load with a motor load at a power factor not less than 0.6 in accordance with the Standard for Switches for Appliances — Part 1: General Requirements, UL 61058-1 or the Outline of Investigation for Particular Requirements for Switches for Tools, UL 6059, if the switch would encounter this load in normal use; or 2) Switches may be regarded as switches for a declared specific load in accordance with UL 61058-1 or UL 6059 and may be classified based upon the load conditions encountered in the appliance under normal load. e) For ac, if the appliance is rated for ac; f) For dc, if the appliance is rated for dc.
19.1.1.3		<p>Ratings and load classifications for switches other than power switches shall be based on the conditions encountered in the appliance under normal load.</p>
19.1.1.4		<p>Switches shall also be rated with respect to endurance as follows:</p> <ul style="list-style-type: none"> a) Power switches: 6000 cycles; b) Power switches provided with series electronics shall be subject to an additional 1000 cycles of operation with the electronics bypassed; c) Switches other than power switches, such as speed selector switches, that may be switched under electrical load: 1000 cycles; d) The following non-power switches are not required to be rated for endurance: <ul style="list-style-type: none"> 1) Switches not intended for operation without electrical load, and which can be operated only with the aid of a tool or are interlocked so that they cannot be operated under electrical load; or 2) Switches for 20 mA load as classified in the Standard for Switches for Appliances — Part 1: General Requirements, UL 61058-1.
19.1.2		<p>A clock-operated switch, in which the switching contacts are actuated by a clock-work, by a gear-train, by electrically-wound spring motors, by electric clock-type motors, or by equivalent arrangements shall comply with one of the following:</p> <ul style="list-style-type: none"> a) Standard for Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements, UL 60730-1; and the Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches, UL 60730-2-7; or b) Standard for Clock-Operated Switches, UL 917.

Clause	Verdict	Comment
22A	Info	Clearance and Creepage Distances
22A.1	Info	As an alternative approach to the spacing requirements specified in Spacings, Section 22, and other than as noted in 22A.2 and 22A.3, clearances and creepage distances may be evaluated in accordance with the requirements in the Standard for Insulation Coordination Including Clearance and Creepage Distances for Electrical Equipment, UL 840, as specified in 22A.4.
Supplement SA	Info	UL 60335-1 BASED REQUIREMENTS FOR THE EVALUATION OF ELECTRONIC CIRCUITS
SA1.2	Info	These requirements provide alternate requirements for the investigation of electronic controls and other circuits used in appliances covered by this standard.
-	-	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.