

STANDARD INFORMATION

Standard: UL 283

Standard ID: Air Fresheners and Deodorizers [UL 283:2025 Ed.4]

Previous Standard ID: Air Fresheners and Deodorizers [UL 283:2015 Ed.3+R:29Apr2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: March 20, 2027

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Requirements for Remote and Automatic Delayed Operation
- Requirements for Universal Serial Bus (USB) and Automotive Adapter Powered Appliances
- Requirements for Button Batteries or Coin Cell Batteries

Specific details of new/revised requirements are found in table below

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>		
6	Info	Components
6.3	Info	Batteries and battery chargers
6.3.7		The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more button batteries or coin cell batteries shall comply with 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 inches) maximum with a diameter greater than its height; and
		b) The appliance is intended for household use.
		Exception No. 1: This requirement is 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.
7	Info	Exception No. 2: This requirement is not applicable to appliances and accessories where the battery compartment would be located at least 2.1 m (7 feet) above the floor when the fan is installed as intended.
		Frame and Enclosure
		Non-metallic parts other than enclosures
		<i>New clause added;</i>
7.2.4		An enclosure of an appliance intended only for connection to a Universal Serial Bus (USB) source of supply shall have a minimum flame rating of V-2.
		Exception: An enclosure of an appliance intended only for connection to a USB source that does not house a lithium-ion cell or battery shall have a minimum flame rating of HB.
7.2.5		<i>New clause added;</i>
		An enclosure of an appliance intended only for connection to an automotive adapter source of supply shall have a minimum flame rating of V-2.



CLAUSE	VERDICT	COMMENT
11	Info	Supply Connections
		<i>New section added;</i>
11.3		Universal serial bus (USB) power sources
		An appliance supplied by a USB-A, USB-B, or USB-C power source shall be considered a Class 2 or limited power source (LPS) supply source and shall comply with the following requirements:
11.3.1		<p>a) Cable assemblies or wiring external to the unit, coiled or uncoiled, shall be rated:</p> <ul style="list-style-type: none">1) VW-1 or FT 1 or better in accordance UL 758 if not exceeding 3.05 m (10 feet) in length;or2) CL2 or better in accordance with UL 13 if 3.05 m (10 feet) or longer in length; and <p>b) The appliance shall:</p> <ul style="list-style-type: none">1) Not be capable of being supplied by other sources when powered from the USB source;2) Be tested in accordance with 35.2;3) Be evaluated with respect to risk of fire in accordance with Section 48, Abnormal Operation Test, with any and/or combination of auxiliary and operating temperature controls (see 4.9 and 4.26) short-circuited, if provided;4) Be rated in accordance with 71.3;5) Be marked in accordance with 72.1.12; and6) Be provided with user instructions in accordance with 73.17.
		<i>New section added;</i>
11.4		Automotive adapter power sources
		Appliances intended to be powered by an automotive adapter shall:
11.4.1		<ul style="list-style-type: none">a) Have a plug and cord complying with UL 2089;b) Be provided with a plug with an integral fuse or other overcurrent protection device integral to the plug;c) Not be capable of being supplied by other sources when powered from the automotive adapter;d) Be tested in accordance with 35.3;e) Be evaluated with respect to risk of fire in accordance with Section 48, Abnormal Operation Test, with any and/or combination of auxiliary and operating temperature controls (see 4.9 and 4.26) short-circuited, if provided; andf) Be rated in accordance with 71.4.



CLAUSE	VERDICT	COMMENT
	Info	PERFORMANCE
35	Info	General
35.1		Unless otherwise rated, appliances <u>intended for connection to an alternating source of supply</u> shall be tested at a frequency of 60 Hz and a potential in accordance with Table 35.1 for each test described.
		<i>New clause added;</i>
35.2		An appliance supplied by a USB shall be tested with the appliance connected to a continuous independent source of supply of 1.05 times the rated operating voltage, 8 A. See 71.3.
		<i>New clause added;</i>
35.3		An appliance supplied by an automotive adapter shall be tested with the appliance connected to a continuous independent source of supply of 12 V dc.
	Info	RATINGS
71	Info	Details
		<i>New clause added;</i>
71.3		An appliance supplied by a USB shall have a voltage rating corresponding to its intended USB configuration (e.g. 5 V dc, 1 A) and shall have a current rating.
		<i>New clause added;</i>
71.4		The input of an appliance supplied by an automotive adapter shall have a voltage rating of 12 V dc and shall have a current or power rating.
	Info	MARKINGS
72	Info	Details
72.1	Info	General
72.12		An appliance supplied by a USB shall be marked in proximity to the connection point either the USB symbol "  " or the abbreviation "USB".
	Info	INSTRUCTIONS
73	Info	Details
		<i>New clause added;</i>
73.17		The important safeguard instructions of an appliance supplied by a USB shall be provided with user instructions that indicate the proper USB supply connection and warn against using unapproved sources.



CLAUSE	VERDICT	COMMENT
		<i>New annex added;</i>
		REMOTE AND AUTOMATIC DELAYED OPERATION
Annex A		These requirements apply to air fresheners and deodorizers intended to receive and respond to communication signals or data relating to power billing rate or demand response or communication signals from a remote user interface, such as a smart phone or computer.
		See standard for details.