

STANDARD INFORMATION

CSA C22.2#60335-2-59:2016 Ed.3

Standard Number: CSA E60335-2-59

Standard Name: Household and Similar Electrical Appliances — Safety — Part 2-59: Particular Requirements for Insect Killers

Standard Edition and Issue Date: 3rd Edition dated May 1, 2016

Date of Revision: May 1, 2016

Date of Previous Revision of Standard: January 1, 2015

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **August 1, 2021**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

NOTE: The 3rd edition of this standard has been renumbered to CSA C22.2 No. 60335-2-59 and is to be used in conjunction with the current edition of CSA C22.2 No. 60335-1.

Overview of Changes:

- New enclosure requirements
- New markings for lamps, fuses, terminal boxes, covers, and interlocks
- New requirements for accessibility, mounting and polarization of switches, protective devices, lampholders and lamps
- New requirements for openings, mounting of components on covers and methods of fastening

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:

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
6	Info	Classification <i>New clause added;</i>
6.2		Enclosures of appliances intended for household use and of appliances intended for outdoor commercial use shall comply with the construction and test requirements for Type 3R enclosures in accordance with CSA C22.2 No. 94.2.
7		Marking and instructions New markings for lamps, fuses, terminal boxes, covers, interlocks, and more (see standard for details).
22	Info	Construction <i>New clause added;</i>
22.1		Appliances rated less than 150 V may use a single-pole switch for disconnection from the supply mains if the supply cord or cord set is polarized. This switch shall not be used to disconnect the neutral supply conductor. All other appliances shall provide all-pole disconnection from the supply mains. Note 1A: Supply cords and cord sets used in Class I appliances are considered to be polarized.
22.39		<i>New section added;</i> New requirements for accessibility, mounting and polarization of: switches, protective devices, lampholders and lamps (see standard for details).
22.104		<i>New section added;</i> New requirements for openings, mounting of components on covers and methods of fastening to supporting structures (see standard for details).
23	Info	Internal wiring <i>New clause added;</i>
23.10A		Wiring that could be exposed to ultraviolet radiation or ozone shall not have rubber-based insulation. Note: Lamps and high-voltage arcs can be sources of ultraviolet radiation and ozone during normal operation of the appliance.



CLAUSE	VERDICT	COMMENT
		Supply connection and external flexible cords
25		New requirements for tests for terminal boxes, supply leads and supply cords (see standard for details).
30	Info	Resistance to heat and fire
		<i>New clause added;</i>
30.101A		Non-metallic terminal boxes for connection of fixed wiring shall comply with the requirements of CAN/CSA-C22.2 No. 0.17 for 5 VA.
		Non-metallic enclosures of parts for which Clause 19.11.2 of the Part 1 is applicable (as determined in Clause 19.11.1) shall comply with the requirements of CAN/CSA-C22.2 No. 0.17 for 5 VA.
		<i>New clause added;</i>
		Radiation, toxicity, and similar hazards
		The total irradiance in the ultraviolet region from 200 nm to 400 nm from lamps incorporated in appliances shall not exceed safe levels based on an 8 h exposure at a distance of 600 mm.
		The total irradiance in the near ultraviolet spectral region from 320 nm to 400 nm shall not exceed 1 mW/cm ² for periods greater than 16 min.
		The radiant exposure to monochromatic radiation in the actinic ultraviolet spectral region from 200 nm to 315 nm shall not exceed the values given in Table 101.
32		To determine the effective irradiance of a broadband source weighted against the peak of the spectral effectiveness curve (270 nm), the following weighting formula shall be used:
		$\sum E_{\lambda} S_{\lambda} \Delta_{\lambda}$
		where
		E_{λ} = spectral irradiance in W/(cm ² nm)
		S_{λ} = relative spectral effectiveness (unitless) from Table 101
		Δ_{λ} = bandwidth in nm
		The effective irradiance shall not exceed 0.1 μW/cm ² for an 8 h exposure at a distance of 600 mm.

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.