Standards Update Notice (SUN)

Issued: March 6, 2017

Standard Information

Standard Number: UL 1472 / CSA C22.2 No. 184.1
Standard Name: Solid-State Dimming Controls
Standard Edition and Issue Date: 2nd Edition Dated September 25, 2015
Date of Previous Revision to Standard: 1st Edition Revised October 14, 2011

Effective Date of New/Revised Requirements

Effective Date: **November 1, 2018**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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

- Addition of requirements for field replaceable actuator assemblies
- Revising and adding requirements with respect to wall-box dimmer switches for use with LED lamp with integral driver light source
- Addition of requirements for ground leakage current

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

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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

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Description of New/Revised Technical Requirements

Clause	Verdict	Comment
--	--	**Addition of requirements for field replaceable actuator assemblies**
4	Info	**Construction**
4.2	Info	**Actuating member**
4.2.3		*New clause added;* A dimmer provided with a field replaceable actuator assembly shall not permit contact to be made between the probe shown in Figure 2 and any live part when the actuator assembly is removed. Compliance is checked by inspection and if necessary, the field replaceable actuator assembly test, Clause 5.15.
4.2.4		*New clause added;* A dimmer provided with a field replaceable actuator assembly that remains operational (capable of switching the load "on" or changing the light output) without the actuator assembly installed, shall also comply with the limited short-circuit test with the actuator assembly removed. See Clause 5.10.6. Exception: A dimmer provided with cosmetic or decorative type actuator, such as a knob attached to the stem of a dimmer, or a decorative type actuator that, when removed, renders the dimmer inoperable, is not required to comply with the short circuit test with the cosmetic or decorative actuator feature removed.
5	Info	**Tests**
5.10	Info	**Limited short-circuit test**
5.10.6		*New clause added;* A dimmer provided with a field replaceable actuator assembly which can operate (switch or dim the load) when the actuator assembly is removed shall be subjected to the testing described in 5.10.1 through 5.10.5 with the actuator assembly removed and cover plate installed. Six samples are to be tested with the actuator assembly removed.
5.16		*New section added;* **Field Replaceable Actuator Assembly Test**
5.16.1		A dimmer switch provided with a field replaceable actuator assembly shall not permit contact to be made between the probe shown in Figure 2 and any live part when the actuator assembly is removed.
5.16.2		A dimmer switch with a field replaceable actuator assembly shall be supported with the actuator assembly removed and cover plate installed. The probe shown in Figure 2 is to be applied to any opening with a force of 8 ounces (2.2 N) in an attempt to contact live parts. A suitable indicating device (such as an ohmmeter, battery-and-buzzer combination, or similar device) is to be connected between the probe and the wiring terminals connected together. The dimmer switch actuator shall be placed in any possible position to determine whether contact is made. The probe is to be manipulated in the opening areas in any orientation that may permit access to live parts within the dimmer.

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Clause	Verdict	Comment
7	Info	**Markings**
7.1.12		A dimmer that is provided with a field replaceable actuator assembly shall be provided with instructions for attaching and removing the actuator assembly. The instructions shall be provided on the dimmer, on the smallest unit packaging, or on a separate instruction sheet packaged with each individual packaging unit.
--	--	**Revising and adding requirements with respect to wall-box dimmer switches for use with LED lamp with integral driver light source**
1	Info	**Scope**
1.1	Info	These requirements cover permanently installed devices, hereafter referred to as dimmers, that employ a dimming function intended for control of lighting loads of the magnetic ballast, transformer, electronic ballast, self-ballasted lamp, or tungsten-filament type, or light-emitting-diode (LED), and are intended to be installed in a wallbox or are provided with an enclosure for flush or surface mounting in accordance with the Canadian Electric Code, Part 1 (CEC), and the National Electrical Code (NEC), ANSI/NFPA 70.
		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.