

Standard Information

Standard Number: UL 917

Standard Name: Standard for Safety for Clock-Operated Switches

Standard Edition and Issue Date: 5th Edition Dated November 10, 2006

Date of Revision: July 19, 2016

Date of Previous Revision of Standard: 5th Edition Revised August 15, 2013

Effective Date of New/Revised Requirements

Effective Date: **June 29, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: Adding Requirements for the Test Method and Simulated Electrical Loads for Electronic Ballast, CFL and LED Driver Ratings From NEMA 410-2011. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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																		
-	-	Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.																		
28	Info	Endurance Test																		
Table 28.1		Values of voltage and current for endurance tests																		
		<table border="1"> <thead> <tr> <th>Device rated in</th> <th>Test potential</th> <th>Test current</th> <th>Power factor</th> <th>Number of cycles</th> <th>Cycles per minute</th> </tr> </thead> <tbody> <tr> <td>Electronic ballast LED drivers and similar loads with capacitive load characteristics</td> <td>Rated Voltage See 24.4</td> <td>Rated current per Table 29A.1</td> <td>N/A</td> <td>6000</td> <td>6</td> </tr> <tr> <td>Self-ballasted LED and CFL</td> <td>Rated Voltage See 24.4</td> <td>f</td> <td>f</td> <td>6000</td> <td>6</td> </tr> </tbody> </table> <p>† The load shall consist of self-ballasted LED or CFL lamps sized in accordance with the rating of the clock-operated switch.</p>	Device rated in	Test potential	Test current	Power factor	Number of cycles	Cycles per minute	Electronic ballast LED drivers and similar loads with capacitive load characteristics	Rated Voltage See 24.4	Rated current per Table 29A.1	N/A	6000	6	Self-ballasted LED and CFL	Rated Voltage See 24.4	f	f	6000	6
Device rated in	Test potential	Test current	Power factor	Number of cycles	Cycles per minute															
Electronic ballast LED drivers and similar loads with capacitive load characteristics	Rated Voltage See 24.4	Rated current per Table 29A.1	N/A	6000	6															
Self-ballasted LED and CFL	Rated Voltage See 24.4	f	f	6000	6															
28.3		Unless the switching components of a switch have been found to comply with the performance requirements in the Standard for Special-Use Switches, UL 1054, Switches for Appliances – Part 1: General Requirements, UL 61058-1 , the device shall be caused to make and break its rated current at the voltage indicated in 24.4. The device shall be electrically and mechanically operable at the conclusion of the test, at which time the switch shall be capable of performing its intended function and shall show no wear, loosening of parts, or defects of any other description that will diminish appreciably the usefulness of the device. The fuse described in 27.11 shall not operate to open the circuit.																		
Section 29A		<u>Electronic Ballast, CFLs and LED Driver Rated Controls</u>																		
42	Info	RATINGS																		
42.7		<u>A clock-operated switch intended for use with electronic ballasts, self-ballasted LED and Compact Fluorescent Lamps, LED drivers LED luminaires, and similar loads with capacitive load characteristics, having a rated current (steady state current) and rated voltage in accordance with 24.4 shall be marked in accordance with item (e) of 43.2.</u>																		

Clause	Verdict	Comment
-	Info	MARKINGS
43	Info	Details
43.2		<p>A permanently connected switch intended for the control of a certain type load shall be marked with the appropriate designation or an acceptable abbreviation or a combination of the markings, for example:</p> <ul style="list-style-type: none"> a) "Resistance only" or "R" if intended for noninductive resistance loads, b) "Tungsten" or "T" if intended for the control of tungsten-filament-lamp loads, c) "Inductive" or "H" if intended for the control of high inductive loads such as gas-tube-sign transformers, fluorescent lamp loads, and the like, d) "Pilot duty" or "PD" if intended for the control of a magnet-coil load, e) "For Control of _____ Lamp Loads" or the equivalent. The blank space is to be filled in with the appropriate type of lighting load (that is electronic ballast, self-ballasted Compact Fluorescent Lamps or LED Lamps, LED drivers, or LED Luminaires).
43.17		<p>A clock-operated switch that has been tested with a particular type of self-ballasted CFL/LED lamp load shall have a marking on the body, package stuffer sheet or an installation instruction sheet specifying the manufacturer's name and model number or numbers of the self-ballasted lamp with which the switch is intended to be used.</p>
		<p>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.</p>