STANDARDS UPDATE NOTICE (SUN)
ISSUED: May 17, 2023

STANDARD INFORMATION

Standard: UL 1917
Standard ID: Solid-State Fan Speed Controls [UL 1917:2022 Ed.5]
Previous Standard ID: Solid-State Fan Speed Controls [UL 1917:2013 Ed.4+R:04Oct2017]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 17, 2024**

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 Reports not updated to this version by the effective date above will be withdrawn.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: add requirements covering separable terminals. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
9	Info	**Mounting**
9.2	Info	**Wall box mounted**
9.2.2		***New section added;*** **Separable terminal assembly**
9.2.2.1		A separable terminal assembly shall consist of permanently attached pins, contacts or tabs capable of receiving the intended fan speed control (module) and is provided with either conductor leads or terminals for connection to the branch circuit conductors.
9.2.2.2		A separable terminal assembly shall: a) Be provided with a mechanical means such as a lock, latch or similar means, which prohibits unintentional separation when in the mated condition; b) Be reliably keyed by a physical or mechanical means to maintain correct polarity and voltage consistent with the intended use. The terminals shall be marked identifying the terminal positions and identifying the unidentified (hot), grounded (neutral) and grounding terminal. Color-coding of integral wire leads is an acceptable means of terminal identification; c) Be reliably keyed to limit interconnection to only like voltage; d) Be either placed in a device box or secured to the device box as identified by the manufacturer. When secured to a device box, two machine screw having 32 threads per inch shall be provided; e) When secured to a device box shall also comply with all applicable requirements of UL 514D, the Standard for Cover Plates for Flush-Mounted Wiring Devices and Cover plates for flushmounted wiring devices, CSA C22.2 No. 42.1; f) Be rated either 15 or 20 amperes only; and g) Additionally, comply with testing as described in Section 38.
9.2.2.3		The grounding-conductor terminal shall connect before mating supply conductor terminals connect when two or more connectors are mated as intended. During disconnection of mating connectors, the supply-conductor terminals shall disconnect before the grounding-conductor terminal disconnects,
9.2.2.4		Live parts of a separable terminal assembly when not mated to the intended fan speed control (actuator) module shall not be accessible to contact by the probe in Figure 7.1.

CLAUSE	VERDICT	COMMENT
14	Info	**Supply Connections – Permanently Connected Speed Controls**
14.6	Info	**Separable terminal assembly interchangeability**
14.6.1		***New clause added;*** A fan speed control with a separable terminal assembly employing wiring terminals shall be uniquely keyed to prevent interchangeability of fan speed control where the wiring terminal conductor size ampacity is less than the fan speed control ampere rating.
14.7	Info	**Separable terminal supply wiring leads**
14.7.1		***New clause added;*** A fan speed control with a separable terminal assembly employing wire leads shall be either solid or stranded copper conductors according to 14.4.1. When the lead size is other than 12 AWG (3.3 mm2), the separable terminal assembly shall be uniquely keyed to prevent interchangeably of fan speed control where the conductor size ampacity is less than the fan speed control ampere rating.
38		***New section added;*** **Separable Terminal Assembly Tests** See standard for details.
42	Info	**General Markings**
42.16		***New clause added;*** For fan speed controls with separable terminal assemblies, both the fan speed control and the separable terminal assembly shall be marked “"USE ONLY WITH _____ SERIES DEVICES" or equivalent statement where the blank includes the manufacturer's name and product series designation. This marking shall be visible during installation.
42.17		***New clause added;*** For fan speed controls with separable terminal assemblies, the following marking "To Reduce the Risk of Overheating and Possible Damage To Other Equipment, Do Not Install Where the marked Ampere rating of the Separable Terminal Assembly Exceeds the Marked Ampere Rating of the Fan speed control” shall be included: a) On both the fan speed control and separable terminal assembly; b) On a separate instruction sheet packaged with the fan speed control and separable terminal assembly; or c) On the smallest unit packaging for a fan speed control provided with and without a separable terminal assembly.
43	Info	**Cautionary and Warning Markings**

CLAUSE	VERDICT	COMMENT
43.5		***New clause added;*** A speed control that is intended for installation in a wall and that has not been evaluated while installed in an insulated wall in accordance with 21.5 shall be permanently marked in a location readily visible during installation with the signal word "WARNING" and the following or equivalent: "To reduce the risk of fire or electric shock, do not use this control in an insulated wall." This marking shall also appear in the installation instructions provided with the control.
43.7		***New clause added;*** For fan speed controls with separable terminal assemblies, both the fan speed control and the separable terminal assemblies shall be marked “CAUTION: Do Not Connect or Disconnect Under Load" or an equivalent statement.” This marking shall be visible while in the mated condition.