

**DRAFT SAINT LUCIA NATIONAL STANDARD**

**DNS/IEC 60335-2-35: 2012**

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES — SAFETY  
— PART 2-35: PARTICULAR REQUIREMENTS FOR  
INSTANTANEOUS WATER HEATERS (IEC 60335-2-35: 2012, IDT)**

**Edition 5**

**Stage 40 – Enquiry Stage**

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**Saint Lucia Bureau of Standards, (2018)**

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**SAINT LUCIA BUREAU OF STANDARDS  
BISEE INDUSTRIAL ESTATE  
CASTRIES  
P. O. BOX CP 5412  
SAINT LUCIA**

**TEL: 758 – 453-0049**

**FAX: 758 – 452-3561**

**E-MAIL: [slbs@candw.lc](mailto:slbs@candw.lc)**

**Website: [www.slbs.org.lc](http://www.slbs.org.lc)**

**THIS IS AN IDENTICAL ADOPTION OF INTERNATIONAL  
ELECTROTECHNICAL COMMISSION IEC 60335-2-35: 2012**

## **GENERAL STATEMENT**

The Saint Lucia Bureau of Standards was established under the Standards Act (No. 14 of 1990) and started operations on 01 April 1991. A broad-based 15-member Standards Council directs the affairs of the Bureau.

The Standards Act gives the Bureau the responsibility to develop and promote standards and codes of practice for products and services for the protection of the health and safety of consumers and the environment as well as for industrial development in order to promote the enhancement of the economy of Saint Lucia. The Bureau develops standards through consultations with relevant interest groups. In accordance with the provisions of the Standards Act, public comment is invited on all draft standards before they are declared as Saint Lucia National Standards.

The Bureau also administers the Metrology Act No. 17 of 2000. This legislation gives the Bureau the responsibility to regulate all weights and measures and to manage and co-ordinate the metrication of Saint Lucia.

The Bureau operates a Product Certification Scheme applicable to all products for which national standards exist. If a product satisfies all the requirements for certification, a licence to carry the **Saint Lucia Standard Mark** is issued to the manufacturer of the product. The presence of the mark on a product indicates that the product conforms to all the requirements of a specific national standard and assures consistent quality (of the product) to the consumer.

The Bureau is a member body of the International Organisation for Standardisation (ISO), an affiliate member of the International Electrotechnical Commission (IEC) and a member of the CARICOM Regional Organisation for Standards and Quality (CROSQ) and the Pan American Standards Commission (COPANT). The Bureau is the local agent for several foreign standards bodies such as the British Standards Institution (BSI) and the ASTM International (formerly known as the American Society for Testing and Materials). The Bureau serves as the enquiry point for the World Trade Organisation (WTO) on matters pertaining to the Technical Barriers to Trade (TBT) Agreement. The Bureau also serves as the National CODEX Alimentarius enquiry point with responsibility for coordinating national positions on CODEX matters.

In accordance with good practice for the adoption and application of standards, Saint Lucia National Standards are subject to review every five years. Suggestions for improvements are always welcomed at any time after publication of the standard.

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*AMENDMENTS ISSUED SINCE LAST PUBLICATION*

<b>Amendment No.</b>	<b>Date of issue</b>	<b>Type of Amendment</b>	<b>Text(s) Affected</b>

ENQUIRY STAGE 40 - MARCH 2018

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**TECHNICAL COMMITTEE FOR ELECTRICAL AND ELECTRONICS**

The following persons comprised the Technical Committee responsible for overseeing the adoption of this standard:

**Chairman**

Gilroy Pultie

**Representing**

Saint Lucia Electricity Services

**Members**

Chesterfield Octave

Cletus Cyril

National Consumer's Association

Ministry of Commerce, Industry,  
Enterprise Development and Consumer  
Affairs

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David A Hird

General Interest

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Ministry of Economic Development,  
Housing, Urban Renewal, Transport and  
Civil Aviation

Lindsey Philbert

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and Transport

Nigel Fulgence

General Interest

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Organization of Eastern Caribbean States  
(Secretariat)

Vivian Robinson

General Interest

Anselm Gittens

Saint Lucia Bureau of Standards

Edgar Stephen (Technical Secretary)

Saint Lucia Bureau of Standards

Kensha Neptune (Recording Secretary)

Saint Lucia Bureau of Standards

## **National Foreword**

This national standard *SLNS/IEC 60335-2-35: 2012* is an identical adoption of the *IEC 60335-2-35: 2012 Household and Similar Electrical Appliances – Safety – Part 2-35: Particular Requirements for Instantaneous Water Heaters*. This is a technical revision of the international publication and represents new and updated information that was found to be applicable to the Saint Lucia.

This edition of *SLNS/IEC 60335-2-35:2012* replaces previously adopted *SLNS/ BS EN 60335-2-35:2005 Household and Similar Electrical Appliances – Part 2-35 Particular Requirements for Instantaneous Water Heaters* which was adopted in December 2005. This new edition was adopted by the national Standards Council as an identical IEC standard on.....201X.

This publication is to be read in conjunction with *SLNS/ IEC 60335-1 Household and Similar Electrical Appliances – Safety - Part 1: General Requirements*.

Instantaneous water heaters also called tankless, continuous flow, inline, flash, on-demand, or instant-on water heaters are gaining in popularity in Saint Lucia. These high-power water heaters instantly heat water as it flows through the device, and do not retain any water internally except for what is in the heat exchanger coil. Tankless heaters may be installed throughout a household at more than one point-of-use, away from a central water heater. Larger centralized models may still be used to provide all the hot water requirements for an entire house. The main advantages of tankless water heaters are a plentiful continuous flow of hot water (as compared to a limited flow of continuously heated hot water from conventional tank water heaters), and potential energy savings under some conditions.

Instantaneous water heaters are used throughout the length and breadth of Saint Lucia for the heating of water. These water heaters are used both domestically and commercially. While popular in industries like tourism, instantaneous water heaters can be found installed in many new homes and retrofitted into existing domestic dwellings and commercial buildings. Instantaneous water heaters have safety implications considering that electricity is intricate in its use, and because of the materials inherent in the technology. There have been reports of safety issues associated with instantaneous water heaters and as such these devices are of significant concern to water heater retailers, installation technicians, electricians, consumers, consumer groups and regulators, including the Ministry of Commerce and the Saint Lucia Bureau of Standards. Due to the growing importance of this commodity to the market, as well as safety issues, it is necessary, that a standard exists to protect the public and for the general welfare of Saint Lucia.

*SLNS/IEC 60335-2-35* specifies the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Instantaneous water heaters incorporating bare heating elements are within the scope of this standard. Appliances not intended for normal household use but, that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities,

or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction or children playing with the appliance.

Throughout the text of this standard where reference is made to “International Standard” it shall be taken to mean “National Standard” having been adopted as Saint Lucia National Standard without deviation.

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**Only informative sections of the standards are publically available ONLINE.**

**To access the full text/content of this standard please contact the Saint Lucia Bureau of Standards for more information to obtain a copy of the full text available to you for comment.**

**Bisee Industrial Estate  
P.O. Box CP 5412  
Castries  
Saint Lucia**

**Telephone - 1758 453 0049 // 1758 456 0102 // 1758 456 0546**

**Fax: 1758 452 3561**

**Email: [info@slbs.org](mailto:info@slbs.org) ; [slbs@candw.lc](mailto:slbs@candw.lc)**

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