



**CSA  
Group**

**C22.2 No. 13-13**

# **Transformers for oil- or gas-burner ignition equipment**



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# Preface

This is the fourth edition of C22.2 No. 13, *Transformers for oil- or gas-burner ignition equipment*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*. It supersedes the previous editions published in 1962, 1954, and 1935. Previous editions of this Standard also included requirements for transformers for luminous-tube signs and cold-cathode interior lighting. These products are now covered by CSA C22.2 No. 255, *Neon transformers and power supplies*.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface of CAN/CSA-C22.2 No. 0, *General Requirements—Canadian Electrical Code, Part II*.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on Oil or Gas-Burner Ignition Equipment under the jurisdiction of the Technical Committee on Industrial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

**Interpretations:** The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA's procedures for interpretation shall be followed to determine the intended safety principle.”

## Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*
  - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

*Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csa.ca](http://standardsactivities.csa.ca).*
- 5) *This Standard is subject to periodic review, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:*
  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change; and*
  - d) *rationale for the change.*

# C22.2 No. 13-13

## ***Transformers for oil- or gas-burner ignition equipment***

### **1 Scope**

#### **1.1**

This Standard applies to transformers for oil- and gas-burner ignition equipment for potentials up to and including 600 V low potential, and 15,000 V open-circuit high-potential, designed to be employed in accordance with the rules of the Canadian Electrical Code, Part I.

**Note:** *The terms "low-potential" and "high-potential" are used in this Standard, respectively, for "primary" or "low-voltage", and "secondary" or "high-voltage".*

#### **1.2**

Transformers covered by this Standard are intended for use as auxiliary equipment for oil- and gas-burning apparatus.

#### **1.3**

General requirements applicable to this Standard are specified in the latest edition of CAN/CSA-C22.2 No. 0.

#### **1.4**

In CSA standards, "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; "should" is used to express a recommendation or that which is advised but not required; and "may" is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (nonmandatory) to define their application.

## **2 Reference publications**

This Standard refers to the following publications and the year dates shown indicate the latest editions available at the time of publication:

C22.1-12

*Canadian Electrical Code, Part I*

CAN/CSA-C22.2 No. 0-10

*General requirements—Canadian Electrical Code, Part II*