AS 4625—2008

Australian Standard®

# Electronic flame safeguards and flame detectors

This Australian Standard® was prepared by Committee AG-013, Components Used for Gas Appliances and Equipment. It was approved on behalf of the Council of Standards Australia on 10 December 2008.
This Standard was published on 31 December 2008.

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The following are represented on Committee AG-013:

- Appliance and Component Testing
- Association of Accredited Certification Bodies
- Energy Networks Association
- Engineers Australia
- Gas Appliance Manufacturers Association of Australia
- Gas Appliances and Services Association
- Gas Technical Regulators Committee
- LPG Australia

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This Standard was issued in draft form for comment as DR 08143.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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# Electronic flame safeguards and flame detectors

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# PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee AG-013, Components Used for Gas Appliances and Equipment, to supersede AS 4625—2004. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to retain this Standard as an Australian Standard rather than develop it as an Australian/New Zealand Standard.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of combination controls for electronic flame safeguards and flame detectors.

This Standard should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to—

(a) continuity of satisfactory operation;

(b) the prevention of fire hazards, and explosions;

(c) the prevention of injury to persons or property;

(d) gas rules and regulations now in force; and

(e) relevant International Standards.

The revision of the Standard focused on its alignment with EN 298 as it is the referenced standard for microprocessor and programmable flame safeguards. The intention was not to supersede the previous edition of AS 4625 with EN 298 but to complement and preserve the Australian local requirements. A number of new definitions were added and the classification of flame safeguards expanded to reflect the EN 298 notation and to better align with the Australian classification. In some cases, this was done to reflect and clarify what is used in the appliance application standards. Where needed, clarification of clauses and their intent was also undertaken as well as some revision of specific methods of test.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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