

Australian/New Zealand Standard™

**Household and similar electrical  
appliances—Safety**

**Part 2.30: Particular requirements for  
room heaters (IEC 60335-2-30 Ed 5.1)**



## **AS/NZS 60335.2.30:2015**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 27 April 2015 and by the New Zealand Standards Approval Board on 18 June 2015.

This Standard was published on 30 June 2015.

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The following are represented on Committee EL-002:

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National Retailers Association (Australia)  
Business New Zealand  
Consumer Electronic Suppliers Association, Australia  
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*This Standard was issued in draft form for comment as DR 14910.*

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## Australian/New Zealand Standard™

### Household and similar electrical appliances—Safety

### Part 2.30: Particular requirements for room heaters (IEC 60335-2-30 Ed 5.1)

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**AS/NZS 60335.2.30:2015****HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –  
SAFETY –****Part 2.30: Particular requirements for room heaters****Foreword**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002- Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede AS/NZS 60335.2.30:2009 three years from the date of publication.

A2

A1  
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The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand

The text of IEC 60335-2-30 Ed 5, prepared by IEC Technical Committee TC 61, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard.

The principal changes in this edition as compared with the 2009 edition of AS/NZS 60335.2.30 and its amendments are as follows (minor changes are not listed).

- some additional instructions are introduced for heaters without a built-in thermostat, or those installed in the floor or in a bathroom (7.12 and 7.12.1);
- a spillage test is introduced for appliances having a grille and that are built into the floor (15.2).

This Standard incorporates Amendment No. 1 (November 2015). The changes required by the amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) and the date of withdrawal (DOW) if relevant, is indicated by the marginal bar against the part affected.

A2  
DOW  
30/11/19

Unless otherwise indicated, the application date of AS/NZS 60335.2.30:2015 is 30 June 2018 and the application date of the changes introduced by Amendment No. 1 is 30 November 2016. Up until these dates it is anticipated that regulatory authorities will approve room heaters as follows:

- Up until 30 November 2016: AS/NZS 60335.2.30:2009 and its amendments or AS/NZS 60335.2.30:2015, or AS/NZS 60335.2.30:2015 + A1:2015;
- After 30 November 2016 and up until 30 June 2018: AS/NZS 60335.2.30:2009 and its amendments or AS/NZS 60335.2.30:2015 + A1:2015;
- After 30 June 2018: AS/NZS 60335.2.30:2015 + A1:2015.

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The text of IEC 60335-2-30 Ed 5 amendment 1, prepared by IEC Technical Committee TC 61, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption as an amendment to the Standards Australia/Standards New Zealand joint standard AS/NZS 60335.2.30:2015.

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This Standard incorporates Amendment No. 1 (November 2015) and Amendment No. 2 (November 2017) and Amendment No. 3 (March 2020). The changes required by the amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) and the date of withdrawal (DOW) if relevant, is indicated by the marginal bar against the part affected. Unless otherwise indicated, the application dates of the changes introduced by Amendment No. 2 is (30 November 2019).

This standard is an adoption with national modifications of the fifth edition of IEC 60335-2-30, *Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters* including its amendment 1 (2016). It has been varied as indicated to take account of Australian and New Zealand conditions.

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This Standard is an adoption with national modifications of the fifth edition of IEC 60335-2-30, *Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters*. It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 60335.1 Household and similar electrical appliances – Safety – Part 1: General requirements and its Amendments. It was established on the basis of AS/NZS 60335.1:2011.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60335.1 so as to convert it into the Australian/New Zealand Standard: Safety requirements for appliances for room heaters.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.

NOTE 2 The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3.

p NOTE 3 In this document, p is used in the margin to indicate instructions for preparing a consolidated version.

The essential safety requirements in AS/NZS 3820<sup>1</sup> that could be applicable to requirements for room heaters are covered by this standard.

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The national variations to IEC 60335-2-30 Ed 5 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

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The national variations to IEC 60335-2-30 Ed 5.1 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

<sup>1</sup> AS/NZS 3820 *Essential safety requirements for electrical equipment*

The text of the International Standard IEC 60335-2-30 Ed 5 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

The text of the International Standard IEC 60335-2-30 Ed 5.1 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

### AUSTRALIAN NATIONAL VARIATIONS

The following national variations to this Part 2 are additional to those listed in the national variations of AS/NZS 60335.1:2011.

p **1** *Insert* the following variation after the existing sixth dashed item in Note 101:

- ceiling recessed radiant heaters;

*Insert* the following variation after the existing ninth dashed item in Note 102:

- recessed luminaires (IEC 60598-2-2);

p **3.102** *Insert* the following variation to the term definition:

NOTE 301 If a heater incorporating a fan complies with the requirements of this standard with the fan rendered inoperative it is not considered to be a **fan heater** for the purposes of this standard.

p **7.1** After the sixth paragraph *insert* the following variation:

**Portable visibly glowing radiant heaters** shall be marked with the substance of the following:

WARNING: FIRE RISK EXISTS IF THE HEATER IS COVERED BY OR POSITIONED CLOSE TO CURTAINS OR OTHER COMBUSTIBLE MATERIALS.

p **7.12.1** *Insert* the following variation after the ninth paragraph of the test specification.

The installation instructions for ceiling recessed radiant heaters shall give details for proper installation in the ceiling and shall state the substance of the following:

- the minimum distance between the top of the heater and any building element above it;
- the minimum distance between the sides of the heater and any building element adjacent to it.

The appliance shall, under no circumstances, be covered with insulating material or similar material.

The distance between the sides of the heater and the sides and any adjacent ceiling recessed heater shall not be less than four times the minimum distance specified for the distance between the sides of the heater and any building element adjacent to it.

p **7.15** After the third paragraph *insert* the following variation:

The fire risk warning for **portable visibly glowing radiant heaters** shall be visible during normal use.

NOTE 301 This marking may be provided on a permanent durable label attached to the supply cord at a distance not exceeding 600 mm from the body of the heater.

p **8.2** *Add* the following new sentence to the addition:

Other **basic insulation** associated with the heat lamp circuits and luminaire circuits may be touched provided it complies with the requirements of this standard.

p **11.2** As a new third paragraph *insert* the following variation:

**Fixed heaters** having a **supply cord** fitted with a plug, are mounted in front of a socket-outlet, with the plug inserted unless