

AS/NZS 3102:2002
(Incorporating Amendment Nos 1, 2, 3 and 4)
Reconfirmed 2016

Australian/New Zealand Standard™

**Approval and test specification—
Electric duct heaters**

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AS/NZS 3102:2002

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 8 October 2002 and on behalf of the Council of Standards New Zealand on 2 October 2002.

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The following are represented on Committee EL-002:

- Australian Industry Group
- A4 | National Retailers Association (Australia)
- Business New Zealand
- Consumer Electronic Suppliers Association, Australia
- Consumers' Federation of Australia
- Electrical regulatory authorities, Australia
- Electrical Compliance Testing Association
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RECONFIRMATION
OF
AS/NZS 3102:2002
Approval and test specification—Electric duct heaters

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Technical Committee EL-002 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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The following are represented on Technical Committee EL-002:

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Business New Zealand
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Regulatory Authorities Council
Engineers Australia
Joint Accreditation System of Australia and New Zealand
New Zealand Electric Fence Energiser Manufacturers Standards WG
NSW Fair Trading
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NOTES

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Australian/New Zealand Standard

Approval and test specification— Electric duct heaters

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PREFACE

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 3102 - 1983 on publication.

A4 | This Standard incorporates Amendment No. 1 (November 2003), Amendment No. 2 (October 2008), Amendment No. 3 (May 2012) and Amendment No. 4 (June 2014). 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) is indicated by the marginal bar against the part affected.

This Standard is one of a series of Approval and Test Specifications issued by Standards Australia and Standards New Zealand. These Standards are to be read in conjunction with AS/NZS 3100, Approval and test specification—General requirements for electrical equipment. The objective of this Standard is to outline the conditions which must be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

This Standard was revised to incorporate Amendment No's. 1 to 4 to AS 3102 - 1983, to update the list of referenced documents and to publish it as a joint Australia/New Zealand Standard.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australia/New Zealand Standard

Approval and test specification – Electric duct heaters

1 SCOPE

This specification applies to electric duct heaters, as defined in Clause 4.1 below, designed for operation at low or medium voltage with a rating up to 50 kW. It does not apply to duct heaters which are integral with air-conditioning units complying with AS/NZS 60335.2.40.

2 APPLICATION

2.1 General requirements of AS/NZS 3100

This Standard shall be read in conjunction with AS/NZS 3100, and the appropriate provisions of AS/NZS 3100 shall apply to the construction of the duct heater and the insulation and safeguarding of parts which normally carry current.

2.2 Specific requirements of this Standard

A duct heater shall be deemed to comply with this Standard only if it complies with all the appropriate requirements of this Standard and passes the relevant tests specified herein.

2.3 Requirements of other Standards

Equipment and components incorporated in a duct heater upon which safety depends shall comply with the appropriate requirements of any relevant Approval and Test Specification unless such requirements are varied herein.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

STANDARDS

AS

A2 | 60529 Degrees of protection provided by enclosures (IP Code)

AS/NZS

A4 | 60335.2.40 Household and similar electrical appliances - Safety - Part 2.40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers