

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Amendment No. 3  
to  
AS/NZS 3102:2002  
Approval and test specification – Electric duct heaters  
REVISED TEXT**

The 2002 edition of AS/NZS 3102 is amended as follows; the amendments should be inserted in the appropriate places.

**SUMMARY:** This amendment applies to Preface and Clauses 1, 3, 5, 8 and 13

Published on 4 May 2012

Approved for publication in Australia on behalf of the Council of Standards Australia on 13 April 2012.

Approved for publication in New Zealand by the Standards Council of New Zealand on 18 April 2012.

This amendment takes effect from the date of publication.

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## PREFACE

*Replace the second paragraph by the following.*

This Standard incorporates Amendment No. 1 (November 2003), Amendment No. 2 (October 2008) and Amendment No. 3 (May 2012). 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.

## 1 SCOPE

*Add “or AS/NZS 60335.2.40” after “AS/NZS 3350.2.40”*

## 3 REFERENCED DOCUMENTS

*Under AS/NZS*

*Add the following new reference.*

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

*Under IEC*

*Replace the title of IEC 60252-1 by the following.*

AC motor capacitors - Part 1: General - Performance, testing and rating - Safety requirements - Guidance for installation and operation

ISBN 978-1-74342-100-0

*Replace reference to IEC 60730 by the following.*

60730-2-9 Automatic electrical controls for household and similar use - Part 2-9:  
Particular requirements for temperature sensing controls

## **5 DESIGN AND CONSTRUCTION**

### **5.1 Material**

*Replace the second sentence by the following.*

The casing shall extend along the duct for a distance not less than that required by Clause 5.2 upstream and downstream of any heating unit.

### **5.2 Thermal insulation**

*Replace the word "The" at the start of the first paragraph by the following.*

"Unless the tests of this standard can be met without the casing temperature exceeding 120° C the"

*Add the following new paragraph.*

The insulating material shall have a thermal conductance not greater than 30 W/m<sup>2</sup> K at 100° C.

*Renumber NOTE 2 as NOTE and delete NOTE 1 and NOTE 3.*

## **8 PROTECTION AGAINST HARMFUL INGRESS OF MOISTURE**

*Replace AS 1939 with AS 60529.*

## **13 SWITCHES AND THERMOSTATS**

*Replace IEC 60730 by IEC 60730-2-9*