

AS/NZS 3749.1:1997

Australian/New Zealand Standard®

**Intruder alarm systems—
Road vehicles**

Part 1: Performance requirements

AS/NZS 3749.1:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/31, Intruder Alarm Equipment and Installation. It was approved on behalf of the Council of Standards Australia on 24 January 1997 and on behalf of the Council of Standards New Zealand on 24 January 1997. It was published on 5 March 1997.

The following interests are represented on Committee EL/31:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Security Industry Association
Department of Defence Australia
Insurance Council of Australia
Metal Trades Industry Association of Australia
New Zealand Security Industry Association
N.S.W. Police Service
Tasmania Police
Victorian Police
Victorian Security Institute
Works Australia

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 3749.1:1997

Australian/New Zealand Standard[®]

**Intruder alarm systems—
Road vehicles**

Part 1: Performance requirements

Originated as AS 3749.1—1990.
Second edition 1997.

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0985 0

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/31 on Intruder Alarm Equipment and Installation to supersede AS 3749.1—1990 *Intruder alarm systems—Road vehicles Part 1: Performance requirements*.

During the development of this Standard the Federal Chamber of Automotive Industries (FCAI), representing the manufacturers of motor vehicles, did not support the publication of the Standard in its final form and sought to have reference to original equipment systems removed from its Scope.

The FCAI has expressed some concern that the minimum system requirements of this Standard may provide a higher level of security than is necessary for all types of road vehicles and may be too restrictive as to the choice of options available as a basis for setting the minimum system requirements. Also, FCAI has pointed out that interior movement detectors may be difficult to install and adjust in an original equipment fitment environment.

These concerns have been recognized. However, the Committee believe that the minimum system requirements specified are necessary to achieve the purposes of this Standard.

In developing the Standard, cognizance has been made of the New South Wales Noise Control (Motor Vehicles and Motor Vehicles Accessories) Act 1995 and requirements stated herein have taken due regard of that regulation.

This Standard is based on the International Standard for passenger car alarm systems produced jointly by ISO and IEC as IEC 839-10-1-1995: *Alarm systems: Part 10: Alarm systems for road vehicles—Section 1: Passenger cars*.

This Standard is Part 1 of a two-part Standard, the parts of which are as follows:

Part 1: Performance requirements (this Standard)

Part 2: Installation and maintenance

This Standard details the minimum performance requirements and associated test methods for a variety of vehicle alarm systems and will be a guide for consumers in their selection of equipment, which can be considered of high quality if complying with these requirements. This Standard, together with Part 2, will also assist in the reduction of the number of false alarms, noise pollution and improvement in installation practices.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

| | <i>Page</i> |
|---|-------------|
| SECTION 1 SCOPE AND GENERAL | |
| 1.1 SCOPE AND GENERAL | 4 |
| 1.2 REFERENCED DOCUMENTS | 4 |
| 1.3 DEFINITIONS | 5 |
| SECTION 2 GENERAL REQUIREMENTS | |
| 2.1 SYSTEM DESCRIPTION | 7 |
| 2.2 SYSTEM DESIGN | 7 |
| SECTION 3 TEST REQUIREMENTS | |
| 3.1 GENERAL | 12 |
| 3.2 TEST PROCEDURES | 12 |
| 3.3 TEST CONDITIONS | 13 |
| 3.4 VOLUMETRIC PROTECTION DETECTORS | 18 |
| SECTION 4 PRODUCT INFORMATION AND MARKING | |
| 4.1 MARKING | 22 |
| 4.2 POINT OF SALE INFORMATION | 22 |
| 4.3 INFORMATION FOR THE TESTING ORGANIZATION | 22 |
| SECTION 5 VARIATIONS FROM COMPLIANT EQUIPMENT | |
| 5.1 MINOR VARIATIONS | 23 |
| 5.2 SIGNIFICANT VARIATIONS | 23 |
| 5.3 MAJOR VARIATIONS | 23 |
| APPENDIX | |
| A SOUND PRESSURE LEVEL TEST FOR SOUNDING DEVICE | 24 |
| B DETECTION RANGE TEST FOR ULTRASONIC MOVEMENT DETECTORS | 26 |

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-