

Australian/New Zealand Standard™

Intruder alarm systems

Part 1: Client's premises—Design, installation, commissioning and maintenance



AS/NZS 2201.1:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-031, Intruder Alarm Equipment and Installation. It was approved on behalf of the Council of Standards Australia on 6 December 2006 and on behalf of the Council of Standards New Zealand on 15 December 2006.
This Standard was published on 12 April 2007.

The following are represented on Committee EL-031:

Australian Industry Group
Australian Security Industry Association
Australian Security Intelligence Organization
Engineers Australia
Insurance Council of Australia
Insurance Council of New Zealand
NSW Police Service
National Security Association of Australia
New Zealand Security Association
Victoria Police
Victorian Security Institute

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 05500.

Australian/New Zealand Standard™

Intruder alarm systems

Part 1: Client's premises—Design, installation, commissioning and maintenance

Originated as AS 2201.1—1978.
Previous edition 1998.
Jointly revised and redesignated as AS/NZS 2201.1:2007.

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 8160 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-031, Intruder Alarm Equipment and Installations, to supersede AS 2201.1—1998.

The objective of this Standard is to assist insurers, alarm companies, equipment manufacturers, clients and the police in achieving a complete and accurate statement for an intruder alarm system required in particular premises.

This Standard is Part 1 of a series of Standards, the parts of which are as follows:

AS

2201 Intruder alarm systems

2201.1 Part 1: Client's premises—Design, installation, commissioning and maintenance (this part)

2201.2 Part 2: Monitoring centres

2201.3 Part 3: Detection devices for internal use

2201.5 Part 5: Alarm transmission systems

This Standard includes mandatory, optional and advisory specifications applicable to all parties concerned with intruder alarm systems.

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

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	5
1.2 APPLICATION	5
1.3 RISK ASSESSMENT	5
1.4 REFERENCED DOCUMENTS	5
1.5 DEFINITIONS	6
SECTION 2 SYSTEM INSTALLATION REQUIREMENTS	
2.1 GENERAL REQUIREMENTS	9
2.2 INSTALLATION	9
2.3 DETECTION DEVICES	10
2.4 AUDIBLE WARNING DEVICES	10
2.5 ENVIRONMENTAL CONDITIONS	10
2.6 WIRING	11
2.7 JOINTINGS.....	12
2.8 FLEXIBLE CONDUCTORS AND CONNECTIONS	13
2.9 TERMINATIONS	13
2.10 WIRE-FREE LINKS	14
2.11 COMMISSIONING.....	14
2.12 CLIENT TRAINING	14
SECTION 3 EQUIPMENT REQUIREMENTS	
3.1 GENERAL REQUIREMENTS	15
3.2 ADDITIONAL FUNCTIONALITY	15
3.3 ENVIRONMENTAL CONDITIONS	15
3.4 ELECTROMAGNETIC CONFORMANCE COMPATIBILITY (EMC).....	15
3.5 IMMUNITY	15
3.6 LOAD AND LINE CONDITIONS	15
3.7 ENCLOSURES.....	15
3.8 TERMINALS	15
3.9 MARKING OF CONTROL EQUIPMENT	16
3.10 INSTRUCTIONS	16
3.11 POWER SUPPLIES	16
3.12 POWER SUPPLY INDICATIONS.....	17
3.13 MARKING OF POWER SUPPLY EQUIPMENT.....	17
3.14 BATTERY REQUIREMENTS.....	18
3.15 WIRE-FREE SYSTEMS	19
3.16 EQUIPMENT CLASSIFICATION.....	21
SECTION 4 GENERAL OPERATIONAL PROCEDURES AND RESPONSIBILITIES	
4.1 GENERAL RESPONSIBILITIES	28
4.2 CLIENT'S RESPONSIBILITIES	28
SECTION 5 MAINTENANCE AND SERVICE	
5.1 SCOPE OF SECTION	29
5.2 MAINTENANCE	29

SECTION 6 RECORDS AND REPORTS

6.1	CLIENT AND EQUIPMENT RECORDS	31
6.2	MAINTENANCE RECORD	31
6.3	AUTHORITY FOR DISCONNECTING.....	32
6.4	LOGBOOK.....	32

APPENDICES

A	APPLICATION GUIDE	33
B	INDUSTRY TERMS	34
C	STANDARDS RELATING TO BATTERIES AND BATTERY CHARGERS	35
D	OCCUPANCY RATIO CALCULATIONS	37

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard Intruder alarm systems

Part 1: Client's premises—Design, installation, commissioning and maintenance

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the minimum requirements for the design, installation, commissioning, installation and maintenance of intruder alarm systems.

It classifies equipment and systems interconnected by wire and wire-free links. Such systems consist of detection devices, control equipment, warning and signalling devices, and the necessary power supply equipment.

This Standard does not cover the transmission of signals from the client's premises to a remote centre. It does not specify the extent or degree of protection to be provided, nor does it necessarily cover all the requirements for a particular installation.

NOTES:

- 1 See AS 2201.2 for monitoring centres.
- 2 AS 2201.5 for alarm transmission systems between client's premises and monitoring centres.

1.2 APPLICATION

This Standard shall apply to intruder alarm systems in private premises, commercial premises and special installations.

1.3 RISK ASSESSMENT

Prior to installation, a risk assessment shall be conducted and documented in conjunction with the client. The classification of the intruder alarm system installation shall be selected in accordance with Appendix A with agreement from the client.

1.4 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1102	Graphical symbols for electrotechnical documentation
2201	Intruder alarm systems
2201.2	Part 2: Monitoring centres
2201.3	Part 3: Detection devices for internal use
2201.5	Part 5: Alarm transmission systems
4251	Electromagnetic compatibility (EMC)—Generic emission Standard
4251.1	Part 1: Residential, commercial and light industry



AS/NZS 2201.1:2007 Intruder alarm systems - Client's premises - Design, installation, commissioning and maintenance

This is a free sample only.

Purchase the full publication here:

<https://shop.standards.govt.nz/catalog/2201.1%3A2007%28AS%7CNZS%29/view>

Or contact Standards New Zealand using one of the following methods.

Freephone: 0800 782 632 (New Zealand)

Phone: +64 3 943 4259

Email: enquiries@standards.govt.nz