

AS 2201.1—1998

Australian Standard™

Intruder alarm systems

**Part 1: Systems installed in
client's premises**

This Australian Standard was prepared by Committee EL/31, Intruder Alarm Equipment and Installations. It was approved on behalf of the Council of Standards Australia on 15 May 1998 and published on 5 August 1998.

The following interests are represented on Committee EL/31:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronics Manufacturers Association
Australian Security Industry Association
Australian Security Intelligence Organisation
Department of Defence
Institute of Security Executives
Insurance Council of Australia
Metal Trades Industry Association of Australia
New South Wales Police Service
Property Council of Australia
Security Agents Institute of Western Australia
Tasmania Police
Victoria Police
Victorian Security Institute
Works Australia Department of Administrative Services

Review of Australian Standards. To keep abreast of progress in industry, Australian 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 Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

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

This Standard was issued in draft form for comment as DR 96353.

AS 2201.1—1998

Australian Standard™

Intruder alarm systems

**Part 1: Systems installed in
client's premises**

Originated as AS 2201.1—1978.
Previous edition AS 2201.1—1986.
Third edition 1998.

Published by Standards Australia
(Standards Association of Australia)
1 The Crescent, Homebush, NSW 2140

ISBN 0 7337 2043 9

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/31, Intruder Alarm Equipment and Installations, to supersede AS 2201.1—1986.

This Standard is a result of a consensus among representatives of the Joint Committee to produce it as an Australian Standard.

This Standard sets out requirements for the installation, operation and maintenance of intruder alarm systems in a client's premises and provides the minimum requirements for any maintenance agreement between an alarm company and its client. 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. It will, however, 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 five-part Standard, the parts of which are as follows:

- AS 2201.1 Part 1: Systems installed in a client's premises (this part)
- AS 2201.2 Part 2: Central stations
- AS 2201.3 Part 3: Detection devices for internal use
- AS 2201.4 Part 4: Wire-free systems installed in client's premises
- AS 2201.5 Part 5: Alarm transmission systems

The successful operation of an intruder alarm system requires the active cooperation of the client in carrying out the necessary procedures carefully and thoroughly, otherwise, the usefulness of the whole system can be jeopardized. This care must extend to the security of keys and provision of information regarding the system, its installation and method of operation. It is therefore essential that the alarm supply company, the alarm maintenance company and the client recognize the need for cooperation in the planning, commissioning, management and maintenance of the system.

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

The major changes in this edition are as follows:

- (a) Overall, the Standard has been revised to be performance based and less reliant on current technology.
- (b) The requirements for signalling links using radio (or wire-free) facilities have been included by the addition of Clauses 3.11.2 and 3.15(d).
- (c) Clause 3.5 adds information regarding indication display.
- (d) Clause 3.11.1 added to cover wired circuits and includes an upper limit for response.
- (e) Clause 3.19.3 modified to exclude circuits included in Clause 3.11.1.
- (f) The requirements for batteries has been expanded to allow for technological advances.
- (g) Section 4 has been added to give guidelines on general operational procedures and responsibilities.
- (h) The requirements for transient voltage disturbance has been referenced to relevant Standards in accordance with current legislation.
- (i) All previous appendices have been removed and a new appendix on batteries and battery chargers added.

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 INNOVATION	5
1.4 REFERENCED DOCUMENTS	5
1.5 DEFINITIONS	6
SECTION 2 SYSTEM INSTALLATION REQUIREMENTS	
2.1 GENERAL REQUIREMENTS	8
2.2 INSTALLATION AND LOCATION OF CONTROL EQUIPMENT	8
2.3 SPECIAL ENVIRONMENT CONDITIONS	8
2.4 POWER SUPPLY HOUSING AND TAMPER PROTECTION	8
2.5 REMOTE ALARM TRANSMISSION EQUIPMENT	8
2.6 WIRING AND TRANSMISSION LINKS	9
2.7 JOINTINGS	10
2.8 FLEXIBLE CONDUCTORS AND CONNECTIONS	10
2.9 TERMINATIONS	10
SECTION 3 CONTROL AND INDICATING EQUIPMENT	
3.1 GENERAL REQUIREMENTS	12
3.2 OTHER SYSTEMS	12
3.3 AMBIENT CONDITIONS	12
3.4 TERMINALS	12
3.5 INDICATION	12
3.6 HOUSING	12
3.7 TAMPER-DETECTION DEVICES	12
3.8 ELECTROMAGNETIC CONFORMANCE (EMC) COMPATIBILITY AND PROTECTION	13
3.9 AUDIBLE ALARM OUTPUTS	13
3.10 ALARM WARNING DEVICES	13
3.11 ZONE SUPERVISION	14
3.12 ZONE INDICATION	15
3.13 ZONE ALARM GENERATION	15
3.14 ZONE ISOLATION	15
3.15 ARMING AND DISARMING THE SYSTEM	15
3.16 MARKING OF CONTROL AND INDICATING EQUIPMENT	16
3.17 INSTALLATION INSTRUCTIONS	16
3.18 OPERATING INSTRUCTIONS	16
3.19 POWER SUPPLY SYSTEM	16
3.20 POWER SUPPLY INDICATIONS	17
3.21 MARKING OF POWER SUPPLY EQUIPMENT	17
3.22 BATTERY REQUIREMENTS	17
3.23 ALARM TRANSMISSION EQUIPMENT	18
3.24 REMOTE SYSTEM ACCESS	19

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](#)
-