

Australian Standard™

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**Intruder alarm systems**

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

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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.

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

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**Part 1: Systems installed in  
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Originated as AS 2201.1—1978.  
Previous edition AS 2201.1—1986.  
Third edition 1998.

## 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 added information regarding indication display.
- (d) Clause 3.11.1 added to cover wired circuits and includes an upper limit for response times.
- (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>
<b>SECTION 1 SCOPE AND GENERAL</b>	
1.1 SCOPE . . . . .	5
1.2 APPLICATION . . . . .	5
1.3 INNOVATION . . . . .	5
1.4 REFERENCED DOCUMENTS . . . . .	5
1.5 DEFINITIONS . . . . .	5
<b>SECTION 2 SYSTEM INSTALLATION REQUIREMENTS</b>	
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
<b>SECTION 3 CONTROL AND INDICATING EQUIPMENT</b>	
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

SECTION 4 GENERAL OPERATIONAL PROCEDURES AND RESPONSIBILITIES	
4.1 ALARM COMPANY'S RESPONSIBILITIES .....	20
4.2 CLIENT'S RESPONSIBILITIES .....	20
4.3 CENTRAL-STATION-MONITORED SYSTEMS .....	20
SECTION 5 MAINTENANCE, RECORDS AND REPORTS	
5.1 SCOPE OF SECTION .....	21
5.2 MAINTENANCE .....	21
5.3 RECORDS .....	22
APPENDIX A STANDARDS RELATING TO BATTERIES AND BATTERY CHARGERS .....	
	24

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# STANDARDS AUSTRALIA

## Australian Standard Intruder alarm systems

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

#### SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE** This Standard specifies the minimum requirements for intruder alarm equipment and installed systems.

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

**1.3 INNOVATION** It is not intended that this Standard impose unnecessary restrictions on the use of new or unusual materials or methods, provided that all of the performance requirements of this Standard are met.

**1.4 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

AS

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|--------|---|
| 1102   | Graphical symbols for electrotechnology   |
| 1125   | Conductors in insulated electric cables and flexible cords  |
| 1828   | Electrical equipment for explosive atmospheres—Cable glands   |
| 1939   | Degrees of protection provided by enclosures for electrical equipment (IP Code)   |
| 2034   | Electrical equipment for explosive atmospheres—Flameproof electric lighting fittings                                      |
| 2201   | Intruder alarm systems  |
| 2201.2 | Part 2: Central stations  |
| 2201.3 | Part 3: Detection devices for internal use  |
| 2201.4 | Part 4: Wire-free systems installed in client's premises  |
| 2201.5 | Part 5: Alarm transmission systems  |
| 3000   | Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)                               |
| 3100   | Approval and test specification—General requirements for electrical equipment   |
| 3147   | Approved and test specification—Electric cables—Thermoplastic insulated for working voltages up to and including 0.6/1 kV |
| 3191   | Approval and test specification—Electric flexible cords   |
| 3548   | Limits and methods of measurement of radio disturbance characteristics of information technology equipment                |
| 4251   | Electromagnetic compatibility—Generic emission Standard   |
| 4251.1 | Part 1: Residential, commercial and light industry  |