

Australian/New Zealand Standard™

Intruder alarm systems

Part 5: Alarm transmission systems



AS/NZS 2201.5:2008

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The following are represented on Committee EL-031:

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Part 5: Alarm transmission systems

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-031, Intruder Alarm Equipment and Installations to supersede AS 2201.5—1992, *Intruder alarm systems*, Part 5: *Alarm transmission systems*, and requirements for signalling links in AS 2201.2—2004, *Intruder alarm systems*, Part 1: *Monitoring centres*.

The objective of this Standard is to provide a rating system for alarm transmission systems, equipment and systems using dedicated paths, switched networks and wire-free systems to ensure appropriate security systems are applied.

This Standard is Part 5 of the series, *Intruder alarm systems*, the parts of which are as follows:

AS

- 2201 Intruder alarm systems
- 2201.2 Part 2: Monitoring centres
- 2201.3 Part 3: Detection devices for internal use

AS/NZS

- 2201 Intruder alarm systems
- 2201.1 Part 1: Client's premises—Design, installation, commissioning and maintenance
- 2201.5 Part 5: Alarm transmission systems (this Standard)

In the preparation of this Standard, reference was made to draft IEC Publication 839, *Alarm systems*, Part 5: *Requirements for alarm transmission systems* and to UL Standards for alarm systems.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the requirements for the performance, reliability and security characteristics for alarm transmission systems used as part of an intruder alarm system.

It includes requirements for the transmission of signals between an intruder alarm system in a clients premises and a monitoring centre.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2201 Intruder alarm systems

2201.2 Part 2: Monitoring centres

AS/NZS

2201.1 Part 1: Client's premises—Design, installation, commissioning and maintenance

3000 Electrical installations (known as the Australian/New Zealand Wiring Rules)

AS ISO/IEC

17025 General requirements for the competence of testing and calibration laboratories

1.3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 2201.1 and those below apply.

1.3.1 Aggregate path classification

Alarm transmission system classification in Section 3 Table 3.1, which takes into account performance achievable by the implementation of multiple independent paths to improve the system in total or in part.

1.3.2 Alarm transmission equipment

Intermediate equipment that routes alarm signals and fault signals between an intruder alarm system and a monitoring centre.

1.3.3 Alarm transmission system

Configuration of components used to transfer information from an intruder alarm system installed in a client's premises to a monitoring centre.