

Australian Standard[®]

**Fire detection, warning, control and
intercom systems—Control and
indicating equipment**

Part 6: Alarm signalling equipment

This Australian Standard was prepared by Committee FP/2, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 8 August 1997 and published on 5 December 1997.

The following interests are represented on Committee FP/2:

Audio Engineering Society
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Electrical and Electronic Manufacturers Association
Australasian Fire Authorities Council
Commonwealth Fire Board
Deafness Forum of Australia
Department of Defence
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Part 6: Alarm signalling equipment

First published as AS 4428.6—1997.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/2, Fire Detection, Warning, Control and Intercom Systems, to provide minimum performance requirements for alarm signalling equipment associated with monitoring automatic fire detection and alarm systems.

This Standard is the result of a consensus among representatives on the Joint Committee that it be produced as an Australian Standard.

This Standard incorporates a Commentary on some of the Clauses. The Commentary directly follows the relevant Clause, is designated by 'C' preceding the Clause number and is printed in italics in a box. The Commentary is for information only and does not need to be followed for compliance with the Standard.

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STANDARDS AUSTRALIA

Australian Standard

Fire detection, warning, control and intercom systems—
Control and indicating equipment

Part 6: Alarm signalling equipment

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies the functional and performance requirements of equipment used to signal status changes at an automatic fire detection and alarm system to a monitoring service. Alarm signalling equipment (ASE) complying with this Standard uses the telecommunications protocol specified in AS 4418.2 for fire alarm system monitoring.

Equipment for both permanently connected alarm systems and non-permanently connected alarm systems are specified in this Standard.

1.2 APPLICATION The requirements of this Standard apply to ASE used to communicate to a monitoring service using the protocol specified in AS 4418.2. The minimum network performance parameters are specified in AS 1670.3.

ASE shall include inputs and outputs necessary for interfacing to connected equipment and shall comply with all the relevant parts of the Standard appropriate for that equipment.

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

AS

1670	Fire detection, warning, control and intercom systems—System design, installation and commissioning
1670.1	Part 1: Fire
1670.3	Part 3: Monitoring network performance
2484	Fire—Glossary of terms
2484.2	Part 2: Fire protection and firefighting equipment
2706	Numerical values—Rounding and interpretation of limiting values
3260	Approval and test specification—Safety of information technology equipment including electrical business equipment
4418	Supervisory control and data acquisition (SCADA)—Generic telecommunications interface and protocol
4418.2	Part 2: Fire alarm systems
4428	Fire detection, warning, control and intercom systems—Control and indicating equipment (all parts)

EIA/TIA

561	Simple eight position non-synchronous interface between data terminal equipment and data circuit terminating equipment employing serial binary data interchange
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