



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

Part 6: Alarm signalling equipment

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This Standard was published on 7 September 2018.

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 - Engineers Australia
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 - National Fire Industry Association
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 - Society of Fire Safety
-

This Standard was issued in draft form for comment as DR AS 4428.6:2017.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

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

Part 6: Alarm signalling equipment

Originally as AS 4428.6—1997.
Second edition AS 4428.6:2018.

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Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76072 170 1

PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 4428.6—1997.

The objective of this Standard is to specify the minimum equipment requirements for alarm signalling equipment (ASE) for use in monitoring automatic fire detection and alarm system.

This edition updates and aligns the minimum performance requirements for ASE with the requirements of the AS 7240 series, *Fire detection and alarm systems*, and allows new telecommunications technologies to be utilized.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A normative appendix is an integral part of a Standard, whereas an informative appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of this Standard. Notes used in this Standard, not associated with figures or tables, are of an advisory nature only and are used to give explanation or guidance to the user on recommended considerations or technical procedures, or to provide an informative cross-reference to other documents or publications.

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STANDARDS AUSTRALIA

Australian Standard

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

Part 6: Alarm signalling equipment

1 SCOPE

This Standard specifies requirements, methods of test, and performance criteria for alarm signalling equipment (ASE) for use in fire detection and alarm systems (FDAS) installed in buildings. It specifies the functions that are required and applies to ASE that receives signals from FDAS and transmits the information to a monitoring centre, as defined by AS 1670.3.

Figure 1 below illustrates the location of an ASE in a fire alarm monitoring system. It also displays the transmission path that connects the FDAS to the ASE and the telecommunications path that connects the ASE to the monitoring centre which are the terms used when assessing for conformity to this Standard.

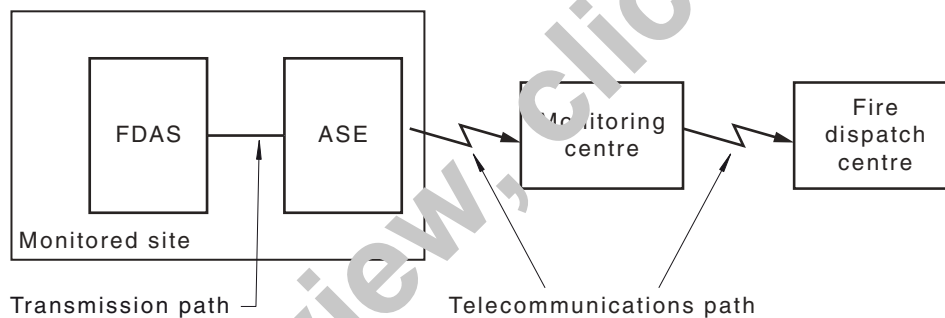


FIGURE 1 BLOCK DIAGRAM OF FIRE ALARM MONITORING SYSTEM

2 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

- | | |
|------------|---|
| 4428 | Fire detection, warning, control and intercom systems—Control and indicating equipment (series) |
| 7240 | Fire detection and alarm systems |
| 7240.1 | Part 1: General and definitions |
| 7240.4 | Part 4: Power supply equipment (ISO 7240-4, MOD) |
| 60068 | Environmental testing |
| 60068.1 | Part 1: General and guidance |
| 60068.2.1 | Part 2.1: Tests—Test A: Cold |
| 60068.2.2 | Part 2.2: Tests—Test B: Dry heat |
| 60068.2.6 | Part 2.6: Tests—Test Fc: Vibration (sinusoidal) |
| 60068.2.47 | Part 2.47: Test—Mounting of compounds, equipment and other articles for vibration, impact and similar dynamic tests |