



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

Part 4: Emergency intercom control and indicating equipment

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This Australian Standard® was prepared by Committee FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 3 October 2016.

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- Association of Hydraulic Services Consultants Australia
 - Australasian Fire and Emergency Service Authorities Council
 - Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Institute of Building Surveyors
 - CSIRO
 - Deafness Forum of Australia
 - Department of Human Services, Vic.
 - Engineers Australia
 - Fire Protection Association Australia
 - National Electrical and Communications Association
 - National Fire Industry Association
 - Property Council of Australia
 - Society of Fire Safety
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Australian Standard[®]

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

**Part 4: Emergency intercom control and
indicating equipment**

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 4428.4—2004, *Fire detection, warning, control and intercom systems—Control and indicating equipment, Part 4: Intercommunication systems for emergency purposes*.

This standard is referenced in AS 1670.4, *Fire detection, warning, control and intercom systems—System design, Installation and commissioning, Part 4: Sound systems and intercom systems for emergency purposes*.

The objective of this Standard is to specify the equipment requirements for intercommunication systems used to assist in the safe evacuation of building occupants in the event of a fire alarm or other emergency.

This Standard clarifies the integration requirements with an EWCIE and also aligns testing requirements with AS 4428.16:2015.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of this Standard.

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

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FOREWORD

The emergency intercom control and indicating equipment (EICIE) may be a separate unit or may be physically combined with the emergency warning control and indicating equipment (EWCIE) complying with AS 4428.16.

The tests specified in this Standard subject the equipment to conditions likely to be met in practice, such as corrosion, vibration, direct impact, indirect shock and electromagnetic interference. Some tests are intended to assess the performance of the EICIE under such conditions. The performance of the EICIE is assessed from the results obtained in specific tests. This Standard is not intended to place any other restrictions on the design and construction of such equipment.

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STANDARDS AUSTRALIA

Australian Standard

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

Part 4: Emergency intercom control and indicating equipment

1 SCOPE

This Standard specifies requirements, test methods and performance criteria for emergency intercom control and indicating equipment (EICIE) for use in buildings and structures.

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

4428.3 Part 3: Fire brigade panel

4428.16 Part 16: Emergency warning control and indicating equipment

7240 Fire detection and alarm systems

7240.1 Part 1: General and definitions

7240.2 Part 2: Control and indicating equipment (ISO 7240-2:2003, MOD)

7240.4 Part 4: Power supply equipment (ISO 7240-4:2003, 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: Tests—Mounting of compounds, equipment and other articles for vibration, impact and similar dynamic tests

60068.2.75 Part 2.75: Tests—Test Eh: Hammer tests

60068.2.78 Part 2.78: Tests—Test Cab: Damp heat, steady state

60529 Degrees of protection provided by enclosures (IP Code)

AS/CA

S004 Voice performance requirements for customer equipment

IEC

60721 Classification of environmental conditions

60721-3-3 Part 3-3: Classification of groups of environmental parameters and their severities—Stationary use at weatherprotected locations

62599 Alarm systems

62599-2 Part 2: Electromagnetic compatibility—Immunity requirements for components of fire and security alarm systems