Australian Standard™

Fire detection and alarm systems

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

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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 4428.1—1998, *Fire detection, warning, control and intercom systems,* Part 1*: Control and indicating equipment*. The Committee intends to withdraw AS 4428.1—1998 five years after the publication of this Standard.

This Standard has been adopted with national modifications and has been reproduced from ISO 7240-2:2003, *Fire protection and fire alarm systems*—Part 2*: Control and indicating equipment*. The national modifications are specified in Annex ZA.

As this Standard is reproduced from an International Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'this International Standard' should read 'this Australian Standard'.

(c) A full point should be substituted for a comma when referring to a decimal marker.

References to International standards should be replaced by references to Australian or Australian/New Zealand Standards as follows:

References to International Standard or other Publication			*Australian/New Zealand Standard*		
ISO			AS		
7240	Fire detection and alarm systems		7240	Fire detection and alarm systems	
7240-4	Part 4:	Power supply equipment	7240.4	Part 4:	Power supply equipment (ISO 7240-2:2003, MOD)
7240-7	Part 7:	Point-type smoke detectors using scattered light, transmitted light or ionization	7240.7	Part 7:	Point-type smoke detectors using scattered light, transmitted light or ionization (ISO 7240-7:2003, MOD)
IEC			AS		
60068	Environmental testing		60068	Environmental testing	
60068-1	Part 1:	General and guidance	60068.1	General and guidance	
60068-2-1	Part 2:	Tests. Test A: Cold	60068.2.1	Tests — Test A: Cold	
60068-2-2	Part 2:	Tests. Test B: Dry heat	60068.2.1	Tests — Test B: Dry heat	
60068-2-6	Part 2:	Tests. Test Fc: Vibration (sinusoidal)	60068.2.6	Tests — Test Fc: Vibration (sinusoidal)	
60068-2-47	Part 2:	Test methods—Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests	60068.2.47	Test methods — Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests	
60068-2-75	Part 2:	Tests. Test Eh: Hammer tests	60068.2.75	Tests — Test Eh: Hammer tests	

The term 'normative' and 'informative' are used in this Standard to define the application of the annex to which they apply. A 'normative' annex is an integral part of a standard, whereas an 'informative' annex is only for information and guidance.

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INTRODUCTION

This part of ISO 7240 is drafted on the basis of mandatory functions, which are to be provided on all control and indicating equipment, and optional functions (with requirements) which may be provided. It is intended that the options be used for specific applications, as recommended in application guidelines.

Each optional function is included as a separate entity, with its own set of associated requirements, in order to permit control and indicating equipment with many different combinations of functions to comply with this part of ISO 7240.

Other functions associated with fire detection and alarm may also be provided, even if not specified in this part of ISO 7240.

NOTES

AUSTRALIAN STANDARD

Fire detection and alarm systems

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

1 Scope

This part of ISO 7240 specifies requirements, test methods and performance criteria for control and indicating equipment (c.i.e.) for use in fire detection and fire alarm systems installed in buildings.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7240-1:1988, *Fire detection and alarm systems — Part 1: General and definitions*

ISO 7240-4, *Fire detection and alarm systems — Part 4: Power supply equipment*

ISO 7240-7, *Smoke detectors — Part 7: Point detectors using scattered light, transmitted light or ionization*

ISO 8201, *Acoustics — Audible emergency evacuation signal*

IEC 60068-1, *Environmental testing — Part 1: General and guidance*

IEC 60068-2-1, *Environmental testing — Part 2: Tests. Tests A: cold*

IEC 60068-2-2, *Environmental testing — Part 2: Tests. Tests B: dry heat*

IEC 60068-2-3, *Environmental testing — Part 2: Tests. Test Ca: damp heat, steady state*

IEC 60068-2-6, *Environmental testing — Part 2: Tests. Test Fc: vibration (sinusoidal)*

IEC 60068-2-47, *Environmental testing — Part 2: Test methods — Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests*

IEC 60068-2-75, *Environmental testing — Part 2: Tests — Test Eh: Hammer tests*

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

IEC 60721-3-3, *Classification of environmental conditions — Part 3: Classification of groups of environmental parameters and their severities — Section 3: Stationary use and weather protected locations*

EN 50130-4, *Alarm systems — Part 4: Electromagnetic compatibility — Product family standard: Immunity requirements for components of fire, intruder and social alarm systems*