AS 7240.12—2007
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AS 7240.12—2007

Australian Standard®

Fire detection and alarm systems

Part 12: Line type smoke detectors using a transmitted optical beam

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 25 January 2007.
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The following are represented on Committee FP-002:

- Audio Engineering Society
- Australasian Fire Authorities Council
- Australian Building Codes Board
- Australian Chamber of Commerce and Industry
- Australian Electrical and Electronic Manufacturers Association
- Australian Industry Group
- Australian Institute of Building Surveyors
- CSIRO Manufacturing and Infrastructure Technology
- Deafness Forum of Australia
- Department of Defence (Australia)
- Fire Protection Association Australia
- Institute of Security Executives
- National Electrical and Communications Association
- Property Council of Australia

This Standard was issued in draft form for comment as DR 05186.

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 public comment period.

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems.

This Standard is identical with, and has been reproduced from ISO 7240-12:2006, *Fire detection and alarm systems, Part 12: Line type smoke detectors using a transmitted optical beam*.

Committee FP-002 intends to review the applicability of AS 1603.7, *Automatic fire detection and alarm systems—Optical beam smoke detectors* after the publication of this Standard.

The objective of this Standard is to provide requirements and test methods for line type smoke detectors using a transmitting light beam.

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

(a) Its number appears on the cover and title page while the International Standard number appears only on the cover.

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

(c) A full point substitutes 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:

International Standard		*Australian/New Zealand Standard*	
IEC		AS	
60068	Environmental testing	60068	Environmental testing
60068-1	General and guidance	60068.1	General and guidance
60068-2-1	Tests: Tests A: Cold	60068.2.1	Tests—Test A: Cold
60068-2-2	Tests: Tests B: Dry heat	60068.2.2	Tests—Test B: Dry heat
60068-2-6	Tests: Tests Fc: Vibration (sinusoidal)	60068.2.6	Tests—Test Fc: Vibration (sinusoidal)
60068-2-27	Tests: Test Ea and guidance: Shock	60068.2.27	Tests—Test Ea and guidance: Shock
60068-2-42	Tests: Test Kc: Sulphur dioxide test for contacts and connections	60068.2.42	Tests—Test Kc: Sulphur dioxide test for contacts and connections
60068-2-78	Tests: Test Cab: Damp heat, steady state	60068.2.78	Tests—Test Cab: Damp heat, steady state
		AS/NZS	
60081	Double-capped fluorescent lamps—Performance specifications	4782	Double-capped fluorescent lamps
		4782.1	Performance specifications—General (IEC 60081:2000, MOD)

The terms 'normative' and 'informative' have been 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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