

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
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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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Fire detection and alarm systems

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

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

<i>International Standard</i>		<i>Australian/New Zealand Standard</i>	
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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