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AS 7240.12-2007 Fire detection and alarm systems - Part 12: Line type smoke detectors using a transmitted optical beam

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Abbreviation

AS 7240.12-2007

Valid from

12/03/2007

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies requirements, test methods and performance criteria for line type smoke detectors utilizing the attenuation and/or changes in attenuation of an optical beam, for use in fire detection systems installed in buildings.

Scope

This part of AS 7240 specifies requirements, test methods and performance criteria for line-type smoke detectors for use in fire detection systems installed in buildings. The detectors consist of at least a transmitter and a receiver and can include reflector(s), for the detection of smoke by the attenuation and/or changes in attenuation of an optical beam.

This part of AS 7240 does not cover

- line-type smoke detectors designed to operate with separations between opposed components of less than 1 m;
- line-type smoke detectors whose optical path length is defined or adjusted by an integral mechanical connection;
- line-type smoke detectors with special characteristics, which cannot be assessed by the test methods in this part of ISO 7240.

Note: The term “optical” is used to describe that part of the electromagnetic spectrum produced by the transmitter to which the receiver is responsive; this is not restricted to visible wavelengths.

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AS 7240.12-2007 Fire detection and alarm systems - Part 12: Line type smoke detectors using a transmitted optical beam

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