Australian Standard®

Automatic fire detection and alarm systems

Part 8: Multi-point aspirated smoke detectors

This Australian Standard was prepared by Committee FP/2, Automatic Fire Detection and Alarm Systems. It was approved on behalf of the Council of Standards Australia on 6 December 1995 and published on 5 February 1996.

The following interests are represented on Committee FP/2:

Audio Engineering Society
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Construction Services—Department of Administrative Services
Australian Electrical and Electronic Manufacturers Association
Australian Fire Authorities Council
Australian Fire Protection Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Automatic Fire Detection and Alarm Systems and has been produced to augment the existing AS 1603 series of product standards which have not, until now, made an allowance for aspirated smoke detector systems.

This Standard is the result of a consensus among representatives on the joint committee to produce it as an Australian Standard.

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CONTENTS

Page

STANDARDS AUSTRALIA

Australian Standard

Automatic fire detection and alarm systems

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the design, construction and performance of aspirated system type smoke detectors used in automatic fire detection and alarm systems. This Standard covers multi-point aspirated systems and their associated detector and control facilities. Single-point detectors installed with probes in air-handling ducts are not included.

NOTE: Some of the requirements of this Standard are more onerous than those nominated in AS 1603.2 point-type smoke detectors as one multi-point aspirated detector can be installed to cover the total area nominated for one AZF in AS 1670.

1.2 APPLICATION This Standard applies to smoke detectors intended for installation in accordance with AS 1670 and connected to control and indicating equipment in accordance with AS 1603.4.

1.3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS
1159 Polyethylene pipes for pressure applications
1319 Safety signs for the occupational environment
1603 Automatic fire detection and alarm systems
1603.2 Part 2: Point type smoke detectors
1603.4 Part 4: Control and indicating equipment
1670 Automatic fire detection and alarm systems—System design, installation and commissioning
2053 Non-metallic conduits and fittings
2211 Laser safety
2362 Automatic fire detection and alarm systems—Methods of test for actuating devices
2362.4 Method 4: Voltage stability test
2362.5 Method 5: Insulation resistance test
2362.6 Method 6: Static discharge test
2362.7 Method 7: Electromagnetic interference test
2362.8 Method 8: Impulse voltage withstand test
2362.9 Method 9: High frequency disturbance test
2362.10 Method 10: Low temperature test
2362.11 Method 11: Damp heat test
2362.12 Method 12: Dry heat test
2362.13 Method 13: Corrosion test
2362.15 Method 15: Vibration test