

Australian Standard™

**Automatic fire detection and alarm
systems**

**Part 14: Point type carbon monoxide
(CO) fire detectors**

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 12 October 2001 and published on 11 December 2001.

The following interests are represented on Committee FP-002:

Audio Engineering Society
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufacturers
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Australian Institute of Building Surveyors
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PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to provide a Standard for point type carbon monoxide (CO) fire detectors.

It is recommended that a period of 12 months from the date of publication of this Standard be allowed for manufacturers to comply with this Standard.

The various components of automatic fire detection and alarm systems are being specified in the AS 1603 and AS 4428 series of Standards.

Specifications for the design, installation, commissioning and maintenance of equipment for fire detection, warning, control and intercom systems and the testing of actuating devices are given in the following Standards.

AS

- 1670 Fire detection, warning, control and intercom systems—System design, installation and commissioning
- 1670.1 Part 1: Fire
- 1670.2 Part 2: Local fire
- 1851 Maintenance of fire protection equipment
- 1851.8 Part 8: Automatic fire detection and alarm systems
- 2362 Automatic fire detection and alarm systems—Methods of test for actuating devices

The objective of this Standard is to provide designers and manufacturers of detection and alarm systems with requirements for the design, construction and performance of carbon monoxide fire detectors intended for inclusion in these systems

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STANDARDS AUSTRALIA

Australian Standard

Automatic fire detection and alarm systems

Part 14: Point type carbon monoxide (CO) fire detectors

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the design, construction and performance of point type carbon monoxide (CO) fire detectors as used in fire detection, warning, control and intercom systems.

This Standard does not cover detectors installed in air handling ducts, although many provisions herein could be applied to such applications.

1.2 APPLICATION

This Standard applies to point type CO fire detectors intended for installation in accordance with AS 1670.1 and AS 1670.2 and connected to compatible control and indicating equipment (CIE).

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1670	Fire detection, warning, control and intercom systems—System design, installation and commissioning
1670.1	Part 1: Fire
1670.2	Part 2: Local fire
1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
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
2362.16	Method 16: Impact test
2362.17	Method 17: Sensitivity test
2362.18	Method 18: Air velocity stability test
2362.19	Method 19: Dust test
2362.25	Method 25: Indicator visibility test