

Australian Standard®

**Automatic fire detection and alarm
systems**

Part 5: Manual call points



STANDARDS AUSTRALIA



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 10 September 1990 and published on 11 February 1991.

The following interests are represented on Committee FP/2:

Attorney-Generals Department
Australian Assembly of Fire Authorities
Australian Association of Rural Fire Authorities
Australian Electrical and Electronic Manufacturers Association
Australian Fire Protection Association
Australian Uniform Building Regulations Coordinating Council
Board of Fire Commissioners, New South Wales
Civil Aviation Authority
Commonwealth Fire Board
Confederation of Australian Industry
CSIRO, Division of Building, Construction and Engineering
Department of Administrative Services
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First published as part of AS 2036—1977.
AS 2036—1977 revised and redesignated in part as
AS 1603.5—1991.

PREFACE

This Standard was prepared by the Standards Australia Committee on Automatic Fire Detection and Alarm Systems, to supersede AS 2036—1977, *Manually operated fire alarm call points*.

This Standard differs from the 1977 edition by the inclusion of environmental tests and a section on assessment of compliance.

The various components of automatic fire detection and alarm systems are being specified in the following Standards:

- | | |
|---------------------------------------|------------|
| (a) Heat detectors | AS 1603.1. |
| (b) Point type smoke detectors | AS 1603.2. |
| (c) Flame detectors | AS 1603.3. |
| (d) Control and indicating equipment | AS 1603.4. |
| (e) Manual call points | AS 1603.5. |
| (f) Fire alarm bells | AS 1603.6. |
| (g) Beam type optical smoke detectors | AS 1603.7. |
| (h) Sampling systems | AS 1603.8. |

Specifications for the design, installation and maintenance of fire detection and alarm equipment, and the testing of actuating devices have been published as follows:

AS

1670 *Automatic fire detection and alarm systems—System design, installation, and commissioning*

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*

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STANDARDS AUSTRALIA

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the design and performance of manually operated call points for use in fire detection and alarm systems.

1.2 APPLICATION This Standard applies to manual call points installed in accordance with AS 1670 and connected to control and indicating equipment complying with AS 1603.4.

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

AS

1603 Automatic fire detection and alarm systems

1603.4 Part 4: Control and indicating equipment

1670 Automatic fire detection and alarm systems—System design, installation, and commissioning

1939 Classification of degrees of protection provided by enclosures for electrical equipment

2362 Automatic fire detection and alarm systems—Methods of test for actuating devices

2362.4 Method 4: Voltage stability 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

2362.23 Method 23: Weathering test

2362.24 Method 24: Frangibility test

2484 Fire—Glossary of terms

2484.1 Part 1: Fire tests

2484.2 Part 2: Fire protection and firefighting equipment

2700 Colour standards for general purposes

3000 SAA Wiring Rules

3100 Approval and test specification—Definitions and general requirements for electrical materials and equipment

1.4 DEFINITIONS For the purpose of this Standard, the definitions given in AS 2484.2 and that below apply.

1.4.1 Manual call point—a manually actuated mechanism to operate electrical contacts or circuits to initiate an alarm state signal.