

Australian Standard™

**Automatic fire detection and alarm
systems**

Part 11: Visual warning devices



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 22 June 2001 and published on 4 September 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 Manufactures
Australian Electrical and Electronic Manufacturers Association
Commonwealth Fire Board
Deafness Forum of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-002, Fire Detection, Warning, Control and Intercom Systems.

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

The objective of this Standard is to provide manufacturers and designers of fire detection and alarm systems with requirements for the design and performance of visual warning devices for use in fire detection, warning, control and intercom systems.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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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 visual warning devices (VWDs) for use in fire detection, warning, control and alarm systems.

1.2 APPLICATION

This Standard applies to VWDs intended to provide a visual warning to hearing-impaired persons, persons employed in high ambient noise environment, and persons in environments such as hospital wards where aural alarms could have adverse effects, or as an instructional reinforcement to aural alarms. The VWD shall be selected from the classification shown in Clause 1.3.

1.3 CLASSIFICATION

VWDs shall be classified as follows:

- (a) Internally illuminated type.
- (b) LED matrix type.
- (c) Programmable message type.
- (d) Strobe type.

1.4 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
1929	Degrees of protection provided by enclosures for electrical equipment (IP Code)
2220	Emergency warning and intercommunication systems in buildings
2220.2	Part 2: System design, installation and commissioning
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