

Australian Standard[®]

**Automatic fire detection and alarm
systems**

Part 11: Visual warning devices

STANDARDS
Australia



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 8 September 2010.

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The following are represented on Committee FP-002:

- Audio Engineering Society
 - Australasian Fire and Emergency Service Authorities Council
 - Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Institute of Building Surveyors
 - CSIRO Manufacturing & Materials Technology
 - Deafness Forum of Australia
 - Department of Defence (Australia)
 - Fire Protection Association Australia
 - National Electrical and Communications Association
 - National Fire Industry Association
 - Property Council of Australia
 - Security Providers Association of Australia
 - Society of Fire Safety
-

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PREFACE

This Standard was prepared by Committee FP-002, Fire Detection, Warning, Control and Intercom Systems.

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.

This Standard differs from the last edition in the following ways:

- (a) Synchronization is now an optional function.
- (b) Provision for evacuation and alert signals to ISO 7731 and ISO 8201 respectively.

Each optional function is included as a separate entity, with its own set of associated requirements, in order to permit visual warning devices with many different combinations of functions to comply with this Standard.

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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 VWDs are classified as 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
1670.4	Part 4: System design, installation and commissioning—Sound systems and intercom systems for emergency purposes
2362	Fire detection, warning, control and intercom systems
2362.4	Method 4: Voltage stability test
2362.13	Method 13: Corrosion test
2362.16	Method 16: Impact test
2484	Fire—Glossary of terms relating to fire tests
2484.1	Part 1: Fire tests
2484.2	Part 2: Fire protection and firefighting equipment
2706	Numerical values—Rounding and interpretation of limiting values
3121	Approval and test specification—Insulating mouldings