

Australian Standard[®]

**Fire detection, warning, control and
intercom systems—Control and
indicating equipment**

Part 3: Fire brigade panel

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 7 October 2010.

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The following are represented on Committee FP-002:

- Audio Engineering Society
 - Australasian Fire 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 the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, as a revision of AS 4428.3—2004. This Standard is a companion document to AS 7240.2—2004, *Fire detection and alarm systems, Part 2: Control and indicating equipment (ISO 7240-2:2003, MOD)*.

This revision will run concurrently with AS 4428.3—2004 until that edition is withdrawn. Committee FP-002 intends to review the withdrawal after 5 years from the date of publication of the 2010 revision.

The objective of this Standard (AS 4428.3) is to standardize the user interface between the firefighter and the control and indicating equipment (c.i.e.) (fire indicator panel), to assist in initial training and ongoing skills maintenance for firefighters from both career and volunteer fire brigades across the country, and to facilitate fire brigade intervention where monitored fire and smoke detection and alarms system are installed as required by the Building Code of Australia (BCA).

This revision includes the following changes:

- (a) Requirements for horizontal and vertical indicators and control layouts.
- (b) Requirement for fire brigade panels (f.b.p) using only separate light-emitting zone alarm indicators with common controls.
- (c) Requirement for a control interlock to be provided to prevent resetting and disablement of zones, unless the alarm devices have first been silenced to prevent accidental resetting or disablement.
- (d) Requirement for a red f.b.p. frame around the controls and included indicators.
- (e) The disablement control required to be coloured yellow.
- (f) Requirement for separate silence buzzer control.
- (g) Mandatory disablement of point in alarms.
- (h) The use of a manual reset control to clear output alarm indicators after disablement of zones or points in alarm.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements, test methods and performance criteria for a fire brigade panel (f.b.p.) to be integrated with or designed to be a separate unit used with AS 7240.2-compliant control and indicating equipment (c.i.e.).

1.2 NORMATIVE REFERENCES

The following are the normative documents referenced in this standard:

AS

- 4428 Fire detection, warning, control and intercom systems—Control and indicating equipment
- 4428.1 Part 1: Fire
- 7240 Fire detection and alarm systems
- 7240.1 Part 1: General and definitions
- 7240.2 Part 2: Control and indicating equipment
- 7240.4 Part 4: Power supply equipment

1.3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 7240.1 and those below apply.

1.3.1 Fire alarm device

Any type of audible, visual or other sensory occupant warning device.

1.3.2 Integrated fire brigade panel

A fire brigade panel (f.b.p.) where the c.i.e. manual controls and indicators, or a separate set of manual controls and indicators, are arranged within the c.i.e. enclosure to meet the requirements of this Standard.

1.3.3 Remote fire brigade panel

A stand-alone fire brigade panel constructed as a separate unit that provides all the required functions and indications in its own enclosure.

1.3.4 f.b.p. frame

The f.b.p. frame is a visible line enclosing f.b.p. indicators and controls.