



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

Part 3: Fire brigade panel

STANDARDS
Australia



AS 4428.3:2020

This Australian Standard® was prepared by FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 15 June 2020.

This Standard was published on 26 June 2020.

The following are represented on Committee FP-002:

- 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
- Deafness Forum of Australia
- Engineers Australia
- Fire Protection Association Australia
- Hydraulic Consultants Association Australasia
- National Electrical and Communications Association
- National Fire Industry Association
- Property Council of Australia
- Society of Fire Safety

This Standard was issued in draft form for comment as DR AS 4428.3:2019.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

ISBN 978 1 76072 887 8



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

Part 3: Fire brigade panel

Originates as AS 4428.3—2004.
Previous edition 2010.
Third edition AS 4428.3:2020.

COPYRIGHT

© Standards Australia Limited 2020

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 4428.3—2010.

The objective of this Standard is to provide a standardized user interface between the firefighter and the fire detection control and indicating equipment.

This Standard makes extensive references to the related Standard, AS 7240.2, *Fire detection and alarm systems, Part 2: Fire detection control and indicating equipment (ISO 7240-2:2017, MOD)*.

The major changes in this edition are as follows:

- (a) Clarifies the difference between integrated and non-integrated FBPs.
- (b) Requires the individual display of addressable point(s) in alarm.
- (c) Requires the use of display **b** where addressable points are to be displayed.
- (d) Requires disablement of addressable points in alarm.
- (e) Introduces the term “alarm event”.
- (f) Requires automatic reset when all alarm events are disabled.
- (g) Provides an option for a backward scrolling function in addition to the standard forward scroll.

Contents

Preface	ii
Section 1 Scope and general	1
1.1 Scope.....	1
1.2 Normative references.....	1
1.3 Terms and definitions.....	1
1.4 Abbreviations.....	2
1.5 Tolerances.....	3
Section 2 Requirements	3
2.1 General.....	3
2.2 Indicators and controls.....	3
2.2.1 General.....	3
2.2.2 General fire alarm indicator.....	3
2.2.3 FBP using alphanumeric alarm display.....	3
2.2.4 FBP using separate light-emitting zone alarm indicators.....	4
2.2.5 Manual control for silencing the audible indication.....	4
2.2.6 Indication of several alarms.....	5
2.2.7 Scroll control of several alarms.....	5
2.2.8 Manual control for silencing fire alarm device(s).....	5
2.2.9 Manual control for resetting.....	5
2.2.10 Manual control for disablement.....	6
2.2.11 Indication that non-integrated FBP is operating.....	6
2.2.12 Indicators and controls.....	7
2.2.13 Field for alarm signalling equipment address code.....	7
2.2.14 Audible indication.....	7
2.2.15 Fault condition signalling from non-integrated FBP.....	7
2.3 Power supply equipment (PSE).....	11
2.4 Access level.....	12
2.5 Layout and measurements.....	12
2.5.1 General.....	12
2.5.2 Shape, colour and dimensions.....	12
2.6 Operating software.....	12
2.7 Marking.....	12
2.8 Documentation.....	13
2.8.1 General.....	13
2.8.2 Test reports.....	13

NOTES

Currently in preview, click buy full version

Australian Standard®

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

Part 3: Fire brigade panel

Section 1 Scope and general

1.1 Scope

This Standard specifies requirements and performance criteria for a fire brigade panel (FBP) to be integrated with or designed to be a non-integrated unit for use with fire detection control and indicating equipment in accordance with AS 7240.2.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

AS 7240.2, *Fire detection and alarm systems, Part 2: Fire detection control and indicating equipment (ISO 7240-2:2017, MOD)*

AS 7240.4, *Fire detection and alarm systems, Part 4: Power supply equipment (ISO 7240-4:2017, MOD)*

AS ISO 7240.1, *Fire detection and alarm systems, Part 1: General and definitions*

1.3 Terms and definitions

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

1.3.1

fire alarm devices

audible, visual or other sensory occupant warning device

1.3.2

integrated fire brigade panel

fire brigade panel (FBP) whose manual controls and indicators are shared with the FDCIE

1.3.3

non-integrated fire brigade panel

fire brigade panel (FBP) constructed as a separate unit that provides all the required functions, controls and indicators

1.3.4

FBP frame

visible frame enclosing FBP indicators and controls

1.3.5

key

indicates the existence of an option

1.3.6

non-addressable zone

zone consisting of points which are not individually identified at the FDCIE

Note 1 to entry: Previously known as collective or conventional.