

AS 4085—1992

Australian Standard<sup>®</sup>

---

**Automatic sliding door assemblies**

---

This Australian Standard was prepared by Committee BD/55, Automatic Sliding Door Assemblies. It was approved on behalf of the Council of Standards Australia on 25 September 1992 and published on 14 December 1992.

---

The following interests are represented on Committee BD/55:

Australian Assembly of Fire Authorities  
Australian Auto-Door Industry Forum  
Australian Uniform Building Regulations Coordinating Council  
Australian Institute of Building Surveyors  
Australian Shopfitters Association  
Metal Trades Industry Association

Additional interests participating in preparation of Standard:

Standards New Zealand

---

**Review of Australian Standards.** To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

---

*This Standard was issued in draft form for comment as DR 89046.*

AS 4085—1992

Australian Standard<sup>®</sup>

---

## **Automatic sliding door assemblies**

---

First published as AS 4085—1992.

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 7891 2

## PREFACE

This Standard was prepared by the Standards Australia Committee on Automatic Sliding Door Assemblies, following submissions from the industry concerned and regulatory authorities.

The primary purpose of the Standard is to provide minimum performance requirements aimed at ensuring the safety of ingress and egress traffic under normal operating conditions and to maintain that safety under certain abnormal and emergency situations.

A secondary but no less important purpose is to set minimum quality levels for components, fabrication and installation so that the entire assembly will not only perform satisfactorily when initially installed but, with due maintenance, will continue to do so during the assembly's intended service life.

This is the first Australian Standard devoted specifically to this subject. The Committee limited its considerations to the most frequently encountered situations and attention is drawn to Clause 1.2 in this regard.

In the preparation of this Standard, cognizance was taken of current building practices and technology. Reference was made to ANSI A156.10–1979, *American National Standard for power operated pedestrian doors*, BS 7036–1988, British Standard Code of Practice for *Provision and installation of safety devices for automatic power operated pedestrian door systems*; and Australian Standards AS 1735.2–1986 *SAA Lift Code, Part 2: Passenger and goods lifts – Electric*, and AS 1428, *Design for access and mobility*, and acknowledgment is hereby made of this source material.

### © Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

## CONTENTS

	<i>Page</i>
<b>SECTION 1     SCOPE AND GENERAL</b>	
1.1    SCOPE .....	4
1.2    APPLICATION .....	4
1.3    REFERENCED DOCUMENTS .....	4
1.4    DEFINITIONS .....	4
1.5    DUTY RATING .....	6
<b>SECTION 2     DOOR SETS</b>	
2.1    MATERIALS .....	7
2.2    LOADS .....	7
2.3    PERMANENT FRAME AND SUPPORT SYSTEMS .....	7
2.4    DOORS AND DOOR HARDWARE .....	8
2.5    OPERATION .....	11
<b>SECTION 3     ACTUATORS</b>	
3.1    PERFORMANCE CHARACTERISTICS .....	12
3.2    INSTALLATION .....	12
<b>SECTION 4     DETECTORS</b>	
4.1    DETECTOR FUNCTIONS .....	13
4.2    PRESSURE MATS .....	13
4.3    PHOTO-ELECTRIC DETECTORS .....	13
4.4    RADIANT ENERGY DETECTORS .....	14
4.5    SAFETY DETECTORS .....	15
<b>SECTION 5     CONTROL SYSTEMS</b>	
5.1    GENERAL .....	16
5.2    OPERATING REQUIREMENTS .....	16
5.3    REQUIRED EXIT DOORS .....	16
5.4    SECURITY CONTROL .....	16
<b>SECTION 6     INSTALLATION AND COMMISSIONING</b>	
6.1    GENERAL .....	17
6.2    INSTALLATION OF COMPONENTS .....	17
6.3    ELECTRICAL INSTALLATION .....	17
6.4    COMMISSIONING .....	17
<b>APPENDIX A    RECOMMENDED AUTOMATIC SLIDING DOOR INSPECTION                          AND MAINTENANCE PROCEDURES .....</b>	<b>19</b>

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-