

Pedestrian push-button assemblies



This Australian Standard® was prepared by Committee LG-006, Road Traffic Signals. It was approved on behalf of the Council of Standards Australia on 8 March 2018. This Standard was published on 3 May 2018.

The following are represented on Committee LG-006:

- Australian Industry Group
- CIE Australia
- Department of Planning, Transport and Infrastructure, SA
- Department of Transport and Main Roads, Qld
- Hire and Rental Industry Association of Australia
- IES: The Lighting Society
- Intelligent Transport Systems Australia
- Main Roads Western Australia
- Roads and Maritime Services, NSW
- Traffic Management and Safety—Roads, ACT
- VicRoads

This Standard was issued in draft form for comment as DR AS 2353:2017.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 2353:2018

Australian Standard®

Pedestrian push-button assemblies

Originated as AS 2353—1990. Previous edition 1999. Fifth edition AS 2353:2018.

COPYRIGHT

© Standards Australia Limited

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.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76072 049 0

AS 2353:2018 2

PREFACE

This Standard was prepared by the Standards Australia Committee LG-006, Road Traffic Signals, to supersede AS 2353—1999. It is one of a number of Standards that set out requirements for the equipment associated with traffic signal installations.

The objective of this Standard is to specify requirements for the design, construction and performance of push-button assemblies and associated equipment to facilitate pedestrian usage of signalized intersections or dedicated pedestrian crossings. It is intended for application by road and traffic authorities and their suppliers to facilitate the manufacture, purchase and use of pedestrian push-button assemblies.

This Standard was revised to bring it up-to-date, to include additional design detail and to include provision for cyclists.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

	I	Page
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	4
1.2	REFERENCED DOCUMENTS	
1.3	DEFINITIONS	
1.3	DEFINITIONS	5
SECTIO	ON 2 PUSH-BUTTON ASSEMBLY	
2.1	COLOUR AND SURFACE FINISH	6
2.2	ENCLOSURE	
2.3	TERMINAL BLOCK	
2.4	PUSH-BUTTON AND SWITCH MECHANISM	
2.5	PEDESTRIAN DEMAND INDICATOR LIGHT	
2.6	DIRECTION ARROW AND OTHER SYMBOLS	
2.7	MARKING	
2.7	THE HOUSE CONTRACTOR OF THE PARTY OF THE PAR	12
SECTIO	N 3 AUDIO-TACTILE FACILITY	
3.1	DRIVER UNIT	. 13
3.2	TRANSDUCER	_
3.3	MARKING	
5.5	TH MULLING III	10
SECTIO	N 4 AUDIO-TACTILE SIGNALS	
4.1	APPLICATION	19
4.2	REQUIRED SIGNAL TYPES	19
4.3	GENERAL REQUIREMENTS	
4.4	AUDIBLE LOCATING SIGNAL	
4.5	AUDIBLE CROSSING SIGNAL	
4.6	TACTILE LOCATING SIGNAL	
4.7	TACTILE CROSSING SIGNAL	
4.8	OFF STATE	
4.9	SAFETY INTERLOCK	
4.10	OPERATION OF AUDIO-TACTILE SIGNALS	
4.11	SOFTWARE	
4.12	ELECTRONIC INTERFACE REQUIREMENTS	
SECTIO	ON 5 ELECTRICAL REQUIREMENTS	
5.1	ELECTRICAL SAFETY	28
5.2	SUPPLY VOLTAGE	28
SECTIO	N 6 ENVIRONMENTAL REQUIREMENTS	
	WEATHER RESISTANCE	
6.2	ENVIRONMENTAL CONDITIONS	29
6.3	ELECTROMAGNETIC COMPATIBILITY	29
APPEN	DICES	
A	PURCHASING GUIDELINES	30
В	MEASUREMENTS OF AUDIBLE SIGNAL CHARACTERISTICS	
C	PERFORMANCE OF DRIVER UNITS UNDER HIGH AND LOW	
	TEMPERATURE CONDITIONS	38
D	INTERFACE REQUIREMENTS FOR DRIVER UNITS AND TRANSDUCERS	
_	WHERE SUPPLIED AS SEPARATE COMPONENTS	41
Е	ENVIRONMENTAL TESTS	



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

Product Page

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