



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.

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- 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
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This Standard was issued in draft form for comment as Draft AS 2553:2017.

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.

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Australian Standard®

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Original as AS 2353—1990.
Previous edition 1999.
5th edition AS 2353:2018.

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

ISBN 978 1 76072 049 0

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</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	4
1.2 REFERENCED DOCUMENTS.....	4
1.3 DEFINITIONS.....	5
SECTION 2 PUSH-BUTTON ASSEMBLY	
2.1 COLOUR AND SURFACE FINISH	5
2.2 ENCLOSURE.....	6
2.3 TERMINAL BLOCK.....	8
2.4 PUSH-BUTTON AND SWITCH MECHANISM.....	9
2.5 PEDESTRIAN DEMAND INDICATOR LIGHT	10
2.6 DIRECTION ARROW AND OTHER SYMBOLS.....	10
2.7 MARKING	12
SECTION 3 AUDIO-TACTILE FACILITY	
3.1 DRIVER UNIT	13
3.2 TRANSDUCER.....	17
3.3 MARKING	18
SECTION 4 AUDIO-TACTILE SIGNALS	
4.1 APPLICATION	19
4.2 REQUIRED SIGNAL TYPES	19
4.3 GENERAL REQUIREMENTS.....	19
4.4 AUDIBLE LOCATING SIGNAL.....	20
4.5 AUDIBLE CROSSING SIGNAL	24
4.6 TACTILE LOCATING SIGNAL	25
4.7 TACTILE CROSSING SIGNAL	25
4.8 OFF STATE.....	25
4.9 SAFETY INTERLOCK.....	25
4.10 OPERATION OF AUDIO-TACTILE SIGNALS.....	27
4.11 SOFTWARE.....	27
4.12 ELECTRONIC INTERFACE REQUIREMENTS	27
SECTION 5 ELECTRICAL REQUIREMENTS	
5.1 ELECTRICAL SAFETY	28
5.2 SUPPLY VOLTAGE.....	28
SECTION 6 ENVIRONMENTAL REQUIREMENTS	
6.1 WEATHER RESISTANCE	29
6.2 ENVIRONMENTAL CONDITIONS	29
6.3 ELECTROMAGNETIC COMPATIBILITY.....	29
APPENDICES	
A PURCHASING GUIDELINES.....	30
B MEASUREMENTS OF AUDIBLE SIGNAL CHARACTERISTICS.....	31
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
E ENVIRONMENTAL TESTS.....	42

STANDARDS AUSTRALIA

Australian Standard
Pedestrian push-button assemblies

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements and tests for the design, construction and performance of pedestrian push-button assemblies and associated equipment, which are designed to facilitate the safe movement of pedestrians at locations controlled by traffic signals. It includes requirements for the generation of audio-tactile signals, for use in conjunction with push-button assemblies, to assist pedestrians who are vision impaired.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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|------------|--|
| 1231 | Aluminium and aluminium alloys—Anodic oxidation coatings |
| 1420 | ISO metric hexagon socket head cap screws |
| 2144 | Traffic signal lanterns |
| 2339 | Traffic signal posts, mast arms and attachments |
| 2700 | Colour standards for general purposes |
| 60068 | Environmental testing |
| 60068.2.2 | Part 2.2: Tests—Tests P: Dry heat |
| 60068.2.30 | Part 2.30: Tests—Tests P: Damp heat and guidance: Damp heat, cyclic (12 + 12-hour cycle) |
| 60529 | Degrees of protection provided by enclosures (IP Code) |

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| 2053 | Conduits and fittings for electrical installations |
| 2053.4 | Part 4: Flexible plain conduits and fittings of insulating material |
| 2053.7 | Part 7: Rigid metal conduits and fittings |
| 3100 | Approval and test specification—General requirements for electrical equipment |
| 5000 | Electric cables—Polymeric insulated |
| 5000.1 | Part 1: For working voltages up to and including 0.6/1 (1.2) kV |
| 51000 | Electromagnetic compatibility (EMC) |
| 51000.4.5 | Part 4.5: Testing and measurement techniques—Surge immunity test |
| 51000.6.1 | Part 6.1: Generic standards—Immunity for residential, commercial and light-industrial environments |
| 61000.6.3 | Part 6.3: Generic standards—Emission standard for residential, commercial and light-industrial environments |

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| 61210 | Connecting devices—Flat quick-connect terminations for electrical copper conductors—Safety requirements |
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