AS 4852.1:2019

Australian STANDARD®

Variable message signs

Part 1: Fixed signs

STANDARDS Australia

AS 4852.1:2019

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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
Intelligent Transport Systems Australia
Main Roads Western Australia
Roads and Maritime Services
Traffic Management and Safety — Roads ACT
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Preface

This Standard was prepared by the Standards Australia Committee LG–006, Road Traffic Signals, to supersede AS 4852.1—2009, *Variable message signs, Part 1: Fixed signs*.

The objective of this Standard is to specify the requirements for the design and performance of variable message fixed signs.

The AS 4852 series covers requirements for the construction and performance of electrically powered variable message signs based on light-emitting diode technologies in a matrix configuration that are intended to be used for road traffic management. These signs are expected to provide real-time information on the oncoming road in the transportation network.

The series consists of two standards:

AS 4852.1, *Variable message signs, Part 1: Fixed signs*

AS 4852.2, *Variable message signs, Part 2: Portable signs*

The major changes in this edition are as follows:

(a) Type A sign reduced from 4 to 3 text rows.

(b) Options for increased resolutions.

(c) Changes to methods of specifying text dimensions.

(d) Dimming level values aligned with sign illuminance.

(e) Upwards light not required.

(f) Dimming step duration changed to 5–15 s.

(g) Operating voltage range defined as 205 V to 264 V.

(h) Local control port may also be RS485 or Ethernet.

(i) Alarm and Event logs to be readable via Product Host Control system.

(j) Sign only required to be provided with standard size font sets 1 and 2.

(k) For the pixel element service life, luminance degradation below the minimum tabled values is not permitted.

The use of any signs, including variable message signs, for road traffic management is subject to regulation by traffic control authorities. Guidance on and requirements relating to their use are provided in the AS 1742 series.

The terms “normative” and “informative” are used in Standards 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.

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