

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 3190:2016
Approval and test specification—Residual current devices (current-operated earth-leakage devices)

REVISED TEXT

The 2016 edition of AS/NZS 3190 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Preface, Global change, Clauses 1.2, 2.6, 3.2, 3.2.1, 3.2.2, 3.2.2.1 (new), 3.2.2.2 (new), 3.2.2.3 (new), 5.7.7, 5.11 (new), 8.8.5 (new), 8.11.2, 8.12.1 and 8.22.

Published on 10 July 2020.

Approved for publication in New Zealand by the New Zealand Standards Approval Board on 1 July 2020.

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Preface

Add the following text after the second paragraph:

AS/NZS 3190:2016 will remain current for 12 months from the date of publication of this document. After this time, it will be superseded by AS/NZS 3190:2016 incorporating Amendment No. 1. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. User of this Standard should consult with these authorities to confirm their requirements.

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Global

Replace reference to ‘AS/NZS 3100:2009’ with ‘AS/NZS 3100:2017’, in all instances.

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Clause 1.2

1 *Add* the following to the list of referenced documents:

AS/NZS 3100:2017, Approval and test specification—General requirements for electrical equipment

2 *Delete* AS/NZS 3190 (including title).

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Clause 2.6

In the note, after ‘Socket-outlets’ *insert* ‘and plugs’.

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Clause 3.2

Delete clause title and *replace* with ‘Requirements for conformance to this Standard’.

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Clause 3.2.1

Add second paragraph as follows:

Unless a specific requirement is stated for a PRCD, any requirement for an RCD shall apply to a PRCD.

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Clause 3.2.2

Delete clause title and text and *replace* with the following:

3.2.2 Requirements for other Standards**3.2.2.1 Other AS/NZS Standards**

RCDs complying with the following Standards are deemed to comply with the requirements of this Standard (AS/NZS 3190) without further test:

- (a) AS/NZS 61008.1.
- (b) AS/NZS 61009.1.

This Clause does not apply to the requirements for portable devices including PSOAs and PRCDs.

3.2.2.2 IEC Standards where additional testing is required

Requirements for IEC Standards requiring additional testing to this Standard (AS/NZS 3190) are as follows:

NOTE: Tests required are those which are additional to or differ from the IEC tests.

- (a) IEC 61540.
- (b) IEC 62640.

3.2.2.3 IEC Standards where additional testing is not required

Requirements for IEC Standards that are not required to have additional testing to this Standard (AS/NZS 3190) are as follows:

- (a) IEC 62423.

NOTE: Includes requirements to IEC 61008-1 and IEC 61009-1, which are replaced by AS/NZS 61008.1 and AS/NZS 61009.

- (b) IEC 62335.

NOTES:

- 1 Includes requirements to IEC 61008-1, which is replaced by AS/NZS 61008.1.
- 2 In addition to the RCD function, the SPE-PRCDs address incorrect supply connections resulting in a hazardous live PE and/or supply failure (e.g. loss of supply PE or loss of supply N). These SPE-PRCDs are intended for application only on TN and TT systems.
- 3 Type SPE-PRCD was Type FSE (faulty supply switched earth) in previous AS/NZS 3190 editions. Type FSE is no longer covered by this Standard.
- 4 For guidance on the correct use of residual current operated protective devices (RCDs) for household and similar use, see IEC TR 62350.
- 5 For EMC tests, see IEC 61543.

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Clause 5.7.7

Delete Clause text and *replace* with the following:

PRCDs shall be provided with facilities for connection to the supply by either one of the following:

- (a) A power supply cord and plug:
 - (i) The plug for connecting the supply to a PRCD, other than a PSOA, shall comply with the requirements of Clause 5.7.8.1.
 - (ii) The plug for connecting the supply to a PSOA shall comply with the requirements of AS/NZS 3112, AS/NZS 3123 or IEC 60309 series.