

STN	Elektrické prístroje na detekciu horľavých plynov v obytných budovách Časť 2: Elektrické prístroje na trvalú prevádzku pevne inštalované vo vozidlách na voľný čas a v podobných priestoroch Dopĺňajúce skúšobné metódy a požiadavky na prevádzkové vlastnosti	STN EN 50194-2 37 8370
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Electrical apparatus for the detection of combustible gases in domestic premises - Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises - Additional test methods and performance requirements

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/19

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English Version

Electrical apparatus for the detection of combustible gases in domestic premises - Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises - Additional test methods and performance requirements

Matériels électriques pour la détection des gaz combustibles dans les locaux à usage domestique - Partie 2: Matériels électriques en fonctionnement continu et dans une installation fixe dans les véhicules de loisirs et locaux similaires - Méthodes d'essai supplémentaires et exigences de performance

Elektrische Geräte für die Detektion von brennbaren Gasen in Wohnhäusern - Teil 2: Ortsfeste elektrische Geräte zum kontinuierlichen Betrieb in Freizeitfahrzeugen oder ähnlichen Umgebungen - Ergänzende Prüfverfahren und Anforderungen an das Betriebsverhalten

This European Standard was approved by CENELEC on 2019-03-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 50194-2:2019) has been prepared by CLC/TC 216 “Gas detectors”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-03-18
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-03-18

This document supersedes EN 50194-2:2006.

This Part 2 is intended to be used in conjunction with EN 50194-1:2009.

This European Standard supplements or modifies the corresponding clauses of EN 50194; where it states “addition”, “modification” or “replacement” the relevant text of EN 50194 is to be adapted accordingly.

Subclauses, tables and notes that are numbered starting from 101 are additional to those in Part 1.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

EN 50194-2:2019 (E)**1 Scope**

This Clause of EN 50194-1 is replaced by:

This document specifies test methods and performance requirements for electrical apparatus for the detection of combustible gases designed for continuous operation in a fixed installation in recreational vehicles and similar premises.

NOTE 1 For caravan holiday homes EN 50194-1 applies.

This document specifies apparatus designed to operate in the event of an escape of liquefied petroleum gas (LPG) and/or petrol (gasoline) vapour and to provide a visual and audible alarm and an executive action in the form of an output signal that can actuate directly or indirectly a shut-off device and/or other ancillary device (Type A of EN 50194-1).

The document excludes apparatus for the detection of toxic gases such as carbon monoxide (see EN 50291).

Apparatus complying with this document is not considered suitable for industrial or commercial installations for which EN 60079-29-1 apply.

NOTE 2 Apparatus tested in accordance with EN 60079-29-1 will not necessarily comply with this standard.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 437:2003, *Test gases – Test pressures – Appliance categories*

EN 13878:2003, *Leisure accommodation vehicles - Terms and definitions*

EN 50194-1:2009, *Electrical apparatus for the detection of combustible gases in domestic premises - Part 1: Test methods and performance requirements*

EN 60079-1, *Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"*

EN 50270:2015, *Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen*

EN 60068-2-6, *Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)*

EN 60068-2-7, *Environmental testing - Part 2: Tests - Test Ga: Acceleration, steady state*

EN 60068-2-27, *Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock*

EN 60068-2-52, *Environmental testing - Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)*

EN 60529, *Degrees of protection provided by enclosures (IP Code)*

EN 60721-3-6:1993, *Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 6: Ship environment*

EN 60945:2002, *Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results*

ISO 7637-2:2011, *Road vehicles — Electrical disturbances from conduction and coupling — Part 2: Electrical transient conduction along supply lines only*