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STN	**Elektrické prístroje na detekciu horľavých plynov v obytných budovách. Návod na výber, inštaláciu, používanie a údržbu.**	**STN EN 50244** 37 8371

Electrical apparatus for the detection of combustible gases in domestic premises - Guide on the selection, installation, use and maintenance

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

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English Version

Electrical apparatus for the detection of combustible gases in domestic premises - Guide on the selection, installation, use and maintenance

Appareils électriques pour la détection des gaz combustibles dans les locaux à usage domestique - Guide de sélection, d'installation, d'utilisation et de maintenance

Elektrische Geräte für die Detektion von brennbaren Gasen in Wohnhäusern - Leitfaden für Auswahl, Installation, Einsatz und Wartung

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

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European foreword

This document (EN 50244:2016) 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) 2017-03-14
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2019-03-14

This document supersedes EN 50244:2000.

EN 50244:2016 includes the following significant technical changes with respect to EN 50244:2000 (various minor changes have also been made):

— General information added to cover domestic premises, boats and caravans. This is a result of the splitting of EN 50194 into EN 50194-1 and EN 50194-2.

— In Clause 4 text has been added regarding alarm set points for apparatus complying with EN 50194-1.

— A new Clause 5 has been created to provide further information to the user concerning the differences between Type A and Type B devices.

— Former Clause 5 has been renumbered Clause 6, text has been reformulated to avoid repetition and make it easier to understand.

— New Figures 1 and 2 created, to show the typical locations of combustible gas alarms when used with Natural Gas and LPG installations.

— The text in Clause 7 “Executive Actions” has been aligned with EN 50292, where applicable, for combustible gas alarms.

— In Clause 8 “Advice to the User”, additional text has been added to highlight the differences between location of a combustible gas detector and a carbon monoxide alarm.

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

Introduction

This European Standard is intended to be a guide for people who, in the course of their professional activities, are required to install combustible gas detectors in domestic premises. It is also aimed at anyone who might supply such gas detectors to members of the public for subsequent installation by competent persons according to national regulations, so that advice may be given based on good engineering practice.

Apparatus for the detection of combustible gases are not a substitute for good gas installation practice and regular servicing of gas appliances, although they may provide an added margin of reassurance for users of gaseous fuels. Domestic combustible gas detectors with or without some form of executive function may overcome fears of fuel safety and can be particularly beneficial in certain circumstances.

1 Scope

This European Standard provides information on the selection, installation, use and maintenance of apparatus for the detection of combustible gas designed for continuous operation in a fixed installation in domestic premises as described in the EN 50194 series. This guide should be read in conjunction with any additional relevant national or local regulations.

The European Standard refers to the installation of two types of apparatus designed to operate in the event of an escape of town gas, natural gas or liquefied petroleum gas:

— Type A apparatus - to provide a visual and audible alarm and an executive action in the form of an output signal that may actuate directly or indirectly a shut-off device and/or other ancillary device;

— Type B apparatus - to provide visual and audible alarms only.

This guide is not applicable to the use of apparatus:

— for the detection of toxic gases such as carbon monoxide, see EN 50292;

— for industrial or commercial premises, see EN 60079-29-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1775, *Gas supply - Gas pipework for buildings - Maximum operating pressure less than or equal to 5 bar - Functional recommendations*

EN 50194 (all parts), *Electrical apparatus for the detection of combustible gases in domestic premises*

EN 60079-29-2, *Explosive atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen (IEC 60079-29-2)*