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Elektriska apparater för detektering av brännbara gaser i hemmiljö (gasvarnare) – Vägledning vid val, installation och underhåll

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

Som svensk standard gäller europastandarden EN 50244:2000. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50244:2000.

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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

This European Standard was approved by CENELEC on 1999-08-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

This European Standard was prepared by the Technical Committee TC 216, Gas detectors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50244 on 1999-08-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2000-11-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2002-08-01
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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 and regular servicing of gas appliances, although they may provide an added margin of reassurance for users of gaseous fuels. Apparatus for the detection of combustible gas with or without some form of executive function may overcome fears of the use of gaseous fuels and may be beneficial in certain circumstances.

1 Scope

This guide 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 EN 50194. This guide should be read in conjunction with any additional relevant national or local regulations.

The guide 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 alarm only.

This guide is not applicable to the use of apparatus:

- used in boats, caravans or mobile homes;
- for the detection of toxic gases such as carbon monoxide, see EN 50292;
- for industrial or commercial premises, see EN 50073.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1775	1998	Gas supply - Gas pipework for buildings - Maximum operating pressure \leq 5 bar Functional recommendations
EN 50073	1999	Guide for selection, installation, use and maintenance of apparatus for the detection and measurement of combustible gases or oxygen
EN 50194	2000	Electrical apparatus for the detection of combustible gases in domestic premises - Test methods and performance requirements
EN 50292	¹⁾	Electrical apparatus for the detection of carbon monoxide in domestic premises Guide on the selection, installation, use and maintenance

1) In preparation