

Electrical apparatus for the detection of carbon monoxide in domestic premises — Guide on the selection, installation, use and maintenance

The European Standard EN 50292:2001 has the status of a
British Standard

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National foreword

This British Standard is the official English language version of EN 50292:2001.

The UK participation in its preparation was entrusted by Technical Committee GEL/31, Electrical apparatus for explosive atmospheres, to Subcommittee GEL/31/19, Gas detectors, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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**Electrical apparatus for the detection of carbon monoxide
in domestic premises -
Guide on the selection, installation,
use and maintenance**

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

Elektrische Geräte für die Detektion von
Kohlenmonoxid in Wohnhäusern -
Leitfaden für Auswahl, Installation,
Benutzung und Instandhaltung

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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 CENELEC TC 216, Gas detectors.

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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) 2002-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-04-01

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given for information only. In this standard, annexes A and B are informative.

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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 apparatus for the detection of carbon monoxide (CO) in domestic premises. It is also aimed at anyone who might supply such detectors to members of the public for subsequent installation according to national regulations, so that advice may be given based on good engineering practice.

Apparatus for the detection of carbon monoxide are not a substitute for good installation and regular servicing of fuel burning appliances or regular cleaning of chimneys, although they may provide an added margin of reassurance for users. Domestic carbon monoxide detectors with or without some form of executive function may overcome fears of fuel safety and may be particularly beneficial in certain circumstances.

It is necessary to understand that carbon monoxide toxicity may have different consequences according to the physical condition of the individual. Thus, a carbon monoxide detector designed according to EN 50291 may not fully safeguard individuals with specific medical conditions.

Carbon monoxide detectors are not intended to be used as an alternative to a smoke alarm.

1 Scope

This guide provides information on the selection, installation, use and maintenance of apparatus for the detection of carbon monoxide, intended for continuous operation in domestic premises. It should be read in conjunction with EN 50291, together with any additional relevant national or local regulations.

The guide refers to the installation of two types of apparatus:

Type A apparatus - to provide a visual and audible alarm and an executive action in the form of an output signal that can be used to actuate directly or indirectly a ventilation or other ancillary device.

Type B apparatus - to provide a visual and audible alarm only.

This guide excludes apparatus:

- for the detection of combustible gases (see EN 50244);
- for industrial installations or commercial premises;
- for use in boats, caravans or mobile homes.

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 50244	2000	Electrical apparatus for the detection of combustible gases in domestic premises - Guide on the selection, installation, use and maintenance
EN 50291	2001	Electrical apparatus for the detection of carbon monoxide in domestic premises - Test methods and performance requirements