

Traffic control equipment — Vehicle detectors

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National foreword

This Draft for Development is the English language version of ENV 13563:2000.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature because the subject is still under development. It should be applied on this provisional basis, so that information and experience of its practical application may be obtained.

Comments arising from the use of this Draft for Development are requested so that UK experience can be reported to the European organization responsible for its conversion into a European Standard. A review of this publication will be initiated 2 years after its publication by the European organization so that a decision can be taken on its status at the end of its three-year life. The commencement of the review period will be notified by an announcement in *Update Standards*.

According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into a European Standard, to extend the life of the prestandard or to withdraw it. Comments should be in writing to the Secretary of BSI Technical Committee EPL/526, Road traffic control systems, at 389 Chiswick High Road, London W4 4AL, giving the document reference and clause number and proposing, where possible, an appropriate revision of the text.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

Summary of pages

This document comprises a front cover, an inside front cover, the ENV title page, pages 2 to 37 and a back cover.

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Amendments issued since publication

Amd. No.	Date	Comments

English version

Traffic control equipment - Vehicle detectors

Équipement de régulation du trafic - Détecteurs de
véhicules

Anlagen zur Verkehrssteuerung - Fahrzeug-Detektoren

This European Prestandard (ENV) was approved by CEN on 17 December 1999 as a prospective standard for provisional application.

The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard.

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

The Annexes A and B are normative, the Annexes C and D are informative. Annex D contains examples of certificates.

Introduction

This European Prestandard specifies the generic performance requirements of detectors for use in traffic control systems. To permit flexibility, no normative reference is made to specific technologies, nor to particular applications in which a detector may be used. The principal criteria used are those of detection target (e.g. car, pedal cycle) and function (e.g. presence, speed).

All technologies used in detection are influenced in varying degrees by operational/environmental conditions, but the effects vary according to the technology. To attempt to address this issue, the Prestandard includes an Annex C which highlights some of the conditions which affect the various technologies currently used in detection.

1 Scope

This European Prestandard specifies the requirements for detectors used in traffic systems to control road vehicles using traffic signals. It specifies these requirements in function only. The performance requirements apply where detectors, whatever the technology used, provide the sensing zone, together with the processing needed to derive the required output. A special case exists for loop detectors where the loop layout determines the sensing zone in part.

This European Prestandard is applicable to detectors which operate by passive detection. It is not applicable to guided vehicles (trams).

Environmental, electrical safety and EMC requirements are specified in prEN 50278:1997 that makes reference to prEN 50293:1997.

2 Normative references

This European Prestandard 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 Prestandard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

prEN 50278 : 1997
Road traffic signal systems

prEN 50293 : 1997
Electromagnetic comp