

**Häiresüsteemid. Sissetungimishäire süsteemid.  
Osa 1: Üldnõuded**

Alarm systems - Intrusion systems - Part 1: General requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50131-1:1999 sisaldab Euroopa standardi EN 50131-1:1997+Corr:1998 ingliskeelset teksti.

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English version

**Alarm systems - Intrusion systems  
Part 1: General requirements**

Systèmes d'alarme  
Systèmes d'alarme intrusion  
Partie 1: Règles générales

Alarmsysteme - Einbruchmeldeanlagen  
Teil 1: Allgemeine Anforderungen

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

## Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

This text of the draft was submitted to the Unique Acceptance Procedure (UAP) and was approved by CENELEC as EN 50131-1 on 1996-10-01.

This European Standard replaces ENV 50131-1:1996.

The following dates was 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) 1997-12-01

EN 50131 will consist of the following parts, under the general title "Alarm systems - Intrusion systems":

- Part 1 General requirements
- Part 2-1 Intrusion detectors - Common requirements
- Part 2-2 Intrusion detectors - Volume detectors
- Part 2-3 Intrusion detectors - Planar detectors
- Part 2-4 Intrusion detectors - Linear detectors
- Part 2-5 Intrusion detectors - Point detectors
- Part 3 Control and indicating equipment
- Part 4 Warning devices
- Part 5 (reserved)
- Part 6 Power supplies
- Part 7 Application guidelines

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## Introduction

This European Standard is a specification for intruder alarm systems installed in buildings, it includes four security grades and four environmental classes.

The purpose of an intruder alarm system is to enhance the security of the supervised premises. To maximise its effectiveness the intruder alarm system should be integrated with appropriate physical security devices and procedures. This is particularly important to higher grade intruder alarm systems.

This Standard is intended to assist insurers, intruder alarm companies, subscribers and the police in achieving a complete and accurate specification of the protection required in particular premises, but it does not specify the type of technology, the extent or degree of detection, nor does it necessarily cover all of the requirements for a particular installation.

All references to the requirements for intruder alarm systems refer to basic minimum requirements and the designers of such installed intruder alarm systems should take into account the nature of the premises, the value of its contents, the degree of risk of intrusion and any other factors which may influence the choice of grade and content of the intruder alarm system.

Requirements for design, planning, operation, installation and maintenance are given in Application Guidelines prEN 50131-7.

This standard is not intended to be used for testing individual intruder alarm system components. Requirements for testing individual intruder alarm system components are given in the relevant component standards.

Intruder alarm systems and intruder alarm system components are graded to provide the level of security required. The security grades take into account the risk level which depends on the type of premises, the value of the contents, and the typical intruder expected.

## 1 Scope

This European Standard specifies the requirements for intruder alarm systems installed in buildings using specific or non-specific wired interconnections or wire-free interconnections. The standard does not include requirements for exterior intruder alarm systems. These requirements also apply to the components of intruder alarm systems installed in a building which are normally mounted on the external structure of a building.

EXAMPLE : ancillary control equipment or warning devices.

This standard specifies performance requirements for installed intruder alarm systems but does not include requirements for design, planning, installation, operation or maintenance.

These requirements apply to intruder alarm systems sharing means of detection, interconnection, control, communication and power supplies with other applications. The operation of the intruder alarm systems shall not be adversely influenced by the other applications.

Requirements are specified for intruder alarm system components where the relevant environment is classified. This classification describes the environment in which the intruder alarm system component may be expected to operate as designed. When the requirements of the four environmental classes are inadequate, due to the extreme conditions experienced in certain geographic locations, special national conditions are given in Annex A. General environmental requirements for intruder alarm system components are described in clause 12.

## 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 50081-1	1992	Electromagnetic compatibility - Generic emission standard Part 1: Residential, commercial and light industry
EN 50130-4	1995	Alarm systems -- Part 4: Electromagnetic compatibility - Product family standard : Immunity requirement for components of fire, intruder and social alarm systems
prEN 50130-5	*)	Alarm systems -- Part 5 : Environmental test methods
prEN 50131-7	*)	Alarm systems - Intrusion systems -- Part 7: Application guidelines
EN 60073	1993	Coding of indicating devices and actuators by colours and supplementary means (IEC 73:1991)
EN 60950	1992	Safety of information technology equipment, including electrical business equipment (IEC 950:1991, modified)

## 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of this standard, the following definitions apply :

**3.1.1 action :** (relating to setting and unsetting) - Any deliberate operation or act by the user which is part of the setting or unsetting procedure.

**3.1.2 access level :** The level of access to particular functions of the intruder alarm system.

**3.1.3 active :** The state of a detector in the presence of a hazard.

**3.1.4 active detector :** A detector capable of comparing input signals with pre-defined criteria. (speed/frequency/amplitude/direction) prior to generating an alarm signal or message.

**3.1.5 active period :** The period during which an alarm signal is present.

**3.1.6 alarm :** A warning of the presence of a hazard to life, property or the environment.

**3.1.7 alarm receiving centre :** A continuously manned centre to which information concerning the status of one or more alarm systems is reported.

**3.1.8 alarm company :** An organisation which provides services for alarm systems.

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\*) Under consideration