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**Alarm systems - Intrusion and hold-up systems -- Part 1:
System requirements**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN 50131-1:2006 +A1+A2+A3:2020 sisaldab Euroopa standardi EN 50131-1:2006 ja selle muudatuste A1:2009, A2:2017 ja A3:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 50131-1:2006 +A1+A2+A3:2020 consists of the English text of the European standard EN 50131-1:2006 and its amendments A1:2009, A2:2017 and A3:2020.
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English Version

Alarm systems - Intrusion and hold-up systems - Part 1: System requirements

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 1: Exigences système

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 1: Systemanforderungen

This European Standard was approved by CENELEC on 2006-04-04. Amendment A1 was approved by CENELEC on 2009-05-01. Amendment A2 was approved by CENELEC on 2017-02-20. Amendment A3 was approved by CENELEC on 2020-05-11. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard and its amendments the status of a national standard without any alteration.

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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 79, Alarm systems.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50131-1 on 2006-04-04.

This European Standard supersedes EN 50131-1:1997.

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) 2007-05-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-05-01

This standard is part of the EN 50131 series of European Standards and Technical Specifications “Alarm systems - Intrusion and hold-up systems”, written to include the following parts:

Part 1	System requirements
Part 2-2	Requirements for passive infrared detectors
Part 2-3	Requirements for microwave detectors
Part 2-4	Requirements for combined passive infrared and microwave detectors
Part 2-5	Requirements for combined passive infrared and ultrasonic detectors
Part 2-6	Requirements for opening contacts (magnetic)
Part 2-7 ¹⁾	Intrusion detectors - Glass break detectors
Part 3	Control and indicating equipment
Part 4	Warning devices
Part 5-3	Requirements for interconnections equipment using radio frequency techniques
Part 6	Power supplies
Part 7	Application guidelines
Part 8 ¹⁾	Security fog devices

¹⁾ At draft stage.

A1 Amendment A1 foreword

This amendment to EN 50131-1:2006 was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 50131-1:2006 on 2009-05-01.

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A1

A2 Amendment A2 European foreword

This document (EN 50131-1:2006/A2:2016) has been prepared by CLC/TC 79, "Alarm systems".

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- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-02-20
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2020-02-20

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. A2

A3 Amendment A3 European foreword

This document (EN 50131-1:2006/A3:2020) has been prepared by CLC/TC 79 "Alarm systems".

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) 2021-05-11
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2023-05-11

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Introduction

This European Standard applies to Intrusion and Hold-up Alarm Systems. The standard is also intended to apply to Intruder Alarm Systems which include only intrusion detectors and to Hold-up Alarm Systems which include only hold-up devices.

This European Standard is a specification for Intrusion and Hold-up Alarm Systems (I&HAS) installed in buildings, it includes four security grades and four environmental classes.

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

This standard is intended to assist insurers, intruder alarm companies, customers and the police in achieving a complete and accurate specification of the supervision 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 I&HAS refer to basic minimum requirements and the designers of such installed I&HAS should take into account the nature of the premises, the value of the contents, the degree of risk of intrusion, the threat to personnel and any other factors which may influence the choice of grade and content of an I&HAS.

Recommendations for design, planning, operation, installation and maintenance are given in Application Guidelines CLC/TS 50131-7.

This standard is not intended to be used for testing individual I&HAS components. Requirements for testing individual I&HAS components are given in the relevant component standards.

I&HAS and components thereof 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 or robber expected.

1 Scope

This European Standard specifies the requirements for Intrusion and Hold-up Alarm Systems installed in buildings using specific or non-specific wired interconnections or wire-free interconnections. These requirements also apply to the components of an I&HAS installed in a building which are normally mounted on the external structure of a building e.g. ancillary control equipment or warning devices. The standard does not include requirements for exterior I&HAS.

This standard specifies performance requirements for installed I&HAS but does not include requirements for design, planning, installation, operation or maintenance.

These requirements also apply to I&HAS sharing means of detection, triggering, interconnection, control, communication and power supplies with other applications. The $\boxed{A_1}$ functioning $\langle A_1 \rangle$ of an I&HAS shall not be adversely influenced by other applications.

Requirements are specified for I&HAS components where the relevant environment is classified. This classification describes the environment in which an I&HAS component may be expected to $\boxed{A_1}$ function $\langle A_1 \rangle$ 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 I&HAS components are described in Clause 7.

The requirements of this European Standard also apply to IAS and HAS when these systems are installed independently.

When an I&HAS does not include functions relating to the detection of intruders, the requirements relating to intrusion detection do not apply.

When an I&HAS does not include functions relating to hold-up, the requirements relating to hold-up do not apply.

NOTE Unless otherwise stated the abbreviation I&HAS is intended to also mean IAS and HAS.

2 Normative references

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

$\boxed{A_2}$ *deleted text* $\langle A_2 \rangle$

$\boxed{A_2}$ EN 50130-5 - Alarm systems – Part 5: Environmental test methods $\langle A_2 \rangle$

$\boxed{A_2}$ EN 50131-6 - Alarm systems — Intrusion and hold-up systems — Part 6: Power supplies $\langle A_2 \rangle$

$\boxed{A_3}$ EN 50136-1 2012² Alarm systems — Alarm transmission systems and equipment — Part 1: General requirements for alarm transmission systems $\langle A_3 \rangle$

$\boxed{A_2}$ *deleted text* $\langle A_2 \rangle$

$\boxed{A_3}$ *deleted text* $\langle A_3 \rangle$

$\boxed{A_2}$ *deleted text* $\langle A_2 \rangle$

$\boxed{A_3}$ ² As impacted by EN 50136-1:2012/A1:2018. $\langle A_3 \rangle$

CLC/TS
50131-12

2016

Alarm systems — Intrusion and hold-up systems — Part 12: Methods and requirements for setting and unsetting of Intruder Alarm Systems (IAS)

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this document, the following terms and definitions apply:

3.1.1

action

(relating to setting and unsetting) deliberate operation or act by the user which is part of the setting or unsetting procedure

3.1.2

access level

level of access to particular functions of an I&HAS

3.1.3

active

state of a detector in the presence of a hazard

3.1.4

active period

period during which an alarm signal is present

3.1.5

alarm

warning of the presence of a hazard to life, property or the environment

3.1.6

alarm receiving centre

continuously manned centre to which information concerning the status of one or more I&HAS is reported

3.1.7

alarm company

organisation which provides services for I&HAS

3.1.8

alarm condition

condition of an I&HAS, or part thereof, which results from the response of the system to the presence of a hazard

3.1.9

alarm notification

passing of an alarm condition to warning devices and/or alarm transmission systems

3.1.10

alarm system

an electrical installation which responds to the manual or automatic detection of the presence of a hazard

3.1.11

alarm transmission system

equipment and network used to transfer information from one or more I&HAS to one or more alarm receiving centres