Irish Standard
I.S. EN 50131-1:2006

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

I.S. EN 50131-1:2006

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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 Überfallenmeldeanlagen Teil 1: Systemanforderungen

This European Standard was approved by CENELEC on 2006-04-04. 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.

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– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-05-01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

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[1)] At draft stage.

Contents

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.