



National Standards Authority of Ireland

IRISH STANDARD

**I.S.EN 50133-2-1:2001**

ICS 13.320

**ALARM SYSTEMS -ACCESS CONTROL  
SYSTEMS FOR USE IN SECURITY  
APPLICATIONS -  
PART 2-1: GENERAL REQUIREMENTS FOR  
COMPONENTS**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

*This Irish Standard was  
published under the authority  
of the National Standards  
Authority of Ireland  
and comes into effect on:*

*January 12, 2001*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 2001

**Price Code E**

Údarás um Chaighdeán Náisiúnta na hÉireann



EUROPEAN STANDARD

**EN 50133-2-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2000

---

ICS 13.320

English version

## **Alarm systems - Access control systems for use in security applications Part 2-1: General requirements for components**

Systèmes d'alarme - Systèmes de  
contrôle d'accès à usage dans les  
applications de sécurité  
Partie 2-1: Exigences générales  
concernant les composants

Alarmanlagen - Zutrittskontrollanlagen für  
Sicherungsanwendungen  
Teil 2-1: Allgemeine Anforderungen an  
Anlageteile

This European Standard was approved by CENELEC on 2000-01-01. 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.

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

# **CENELEC**

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.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50133-2-1 on 2000-01-01.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national endorsement (dop) 2001-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2003-01-01

This part 2-1 is to be used in conjunction with EN 50133-1:1996.

## Contents

	Page
<b>Introduction .....</b>	<b>4</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references .....</b>	<b>4</b>
<b>3 Definitions.....</b>	<b>4</b>
<b>4 Requirements .....</b>	<b>5</b>
4.1 General .....	5
4.2 Electrical safety .....	5
4.3 Electromagnetic compatibility .....	5
4.4 Environmental .....	5
4.5 Power supply.....	6
4.6 Housings .....	6
4.7 Documentation .....	6
4.8 Marking/Identification .....	7
<b>5 Specific requirements.....</b>	<b>7</b>
5.1 Access point interface .....	7
5.2 Recognition equipment.....	7
<b>6 Tests.....</b>	<b>8</b>
6.1 Document checking, inspection and functional tests .....	8
6.2 Environmental tests .....	8
<b>Annex A (normative) Special national conditions.....</b>	<b>10</b>

## Introduction

This European standard has been established :

- to be a reference for the certification of products belonging to an access control system designed to conform to EN 50133-1.
- to collect in one document all the general requirements for component(s) of an access control system as defined in the diagram shown in EN 50133-1 section 4.2.

This standard may be complemented by other standards dealing with more specific requirements for individual components.

In this standard, the expressions "environmental class" and "equipment class" are used respectively, instead of group and equipment category, which are used in EN 50133-1, in order to be in accordance with EN 50130-5.

The word component has the similar meaning to the word equipment used in EN 50133-1.

## 1 Scope

This standard provides general requirements for the components for an automated access control system as shown in subclause 4.2. of EN 50133-1.

This standard does not define component functionality as this is detailed in EN 50133-1.

## 2 Normative references

This standard incorporates, by dated or undated reference, provision from other publications. These normative references are cited at the appropriate place 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 50102	1995	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code )
EN 50130-5	1998	Alarm systems - Part 5 : Environmental test methods
EN 50133-1	1996	Alarm systems - Access control systems for use in security applications - Part 1 : System requirements
EN 60529	1991	Degrees of protection provided by enclosures (IP code) (IEC 60529:1989)

## 3 Definitions

For the purposes of this standard, the definitions listed in EN 50133-1 apply together with the following :

**component:** Device forming part of the access control system and carrying at least one function described in EN 50133-1.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-