Irish Standard
I.S. EN 50131-6:2008&A1:2014

Alarm systems - Intrusion and hold-up systems -- Part 6: Power supplies

I.S. EN 50131-6:2008&A1:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 50131-6:2008/A1:2014

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50131-6:2008/A1

June 2014

ICS 13.310

English Version

Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 6: Alimentation

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 6: Energieversorgungen

This amendment A1 modifies the European Standard EN 50131-6:2008; it was approved by CENELEC on 2014-03-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN 50131-6:2008/A1:2014) 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)	2015-03-17
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2017-03-17

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50131-6

January 2008

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Supersedes EN 50131-6:1997

English version

Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 6: Alimentation

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 6: Energieversorgungen

This European Standard was approved by CENELEC on 2007-12-01. 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.

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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

Ref. No. EN 50131-6:2008 E

Foreword

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

The text of the daft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50131-6 on 2007-12-01.

This European Standard supersedes EN 50131-6:1997 + corrigendum April 1998.

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)	2008-12-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-12-01

EN 50131 will consist of the following parts, under the general title *Alarm systems - Intrusion and hold-up systems*:

Part 1	System requirements
Part 2–2	Intrusion detectors – Passive infrared detectors
Part 2–3	Intrusion detectors – Microwave detectors
Part 2–4	Intrusion detectors – Combined passive infrared / Microwave detectors
Part 2–5	Intrusion detectors – Combined passive infrared / Ultrasonic detectors
Part 2–6	Intrusion detectors – Opening contacts (magnetic)
Part 2–7–1	Intrusion detectors – Glass break detectors – Acoustic
Part 2–7–2	Intrusion detectors – Glass break detectors – Passive
Part 2–7–3	Intrusion detectors – Glass break detectors – Active
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	Security fog devices

Contents

Introduction

This European Standard deals with power supplies (PS) of intrusion and hold-up alarm systems (I&HAS) installed in buildings. It includes devices that are installed inside or outside of the supervised premises and mounted in indoor or outdoor environments.

1 Scope

This European Standard specifies the requirements, performance criteria and testing procedures for PS to be used as part of Intrusion and Hold up Alarm Systems. The PS shall either be an integral part of an I&HAS component or stand-alone. The control functions of the PS may be incorporated as part of the PS device, or may be provided by another I&HAS component e.g. a CIE.

This European Standard is not applicable when the PS requirements for I&HAS components are included within the relevant product standard.

The requirements correspond to each of the four security grades given in the European Standard EN 50131-1, Alarm systems - Intrusion and hold-up systems - Part 1: System requirements. Requirements are also given for four environmental classes covering applications in internal and outdoor locations.

This standard covers mandatory functions which shall be provided on all PS and optional functions which may be provided.

Other functions associated with I&HAS not specified in this standard may be provided. Such functions shall not affect the requirements of any mandatory or optional functions.

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.

Publication	Year	Title
EN 50130-4		Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and social alarm systems
EN 50130-5		Alarm systems - Part 5: Environmental test methods
EN 50131-1		Alarm systems - Intrusion and hold-up systems - Part 1: System requirements
EN 60065		Audio, video and similar electronic apparatus - Safety requirements (IEC 60065)
EN 60068-1		Environmental testing - Part 1: General and guidance (IEC 60068-1)
EN 60529		Degrees of protection provided by enclosures (IP code) (IEC 60529)
EN 60950	Series	Information technology equipment - Safety (IEC 60950 series, partly modified)
EN 61000-6-3		Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments (CISPR/IEC 61000-6-3)
EN 62262		Degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code) (IEC 62262)