

Irish Standard I.S. EN 50131-8:2009

Alarm systems - Intrusion and hold-up systems -- Part 8: Security fog device/systems

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English version

Alarm systems Intrusion and hold-up systems Part 8: Security fog device/systems

Systèmes d'alarme -Systèmes d'alarme contre l'intrusion et les hold-up -Partie 8: Systèmes/dispositifs générateurs de fumée Alarmanlagen -Einbruch- und Überfallmeldeanlagen -Teil 8: Nebelgeräte/Nebelsysteme für Sicherungsanwendungen

This European Standard was approved by CENELEC on 2009-04-01. 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.

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CENELEC

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

Central Secretariat: avenue Marnix 17, B - 1000 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 50131-8 on 2009-04-01.

The following dates were fixed:

latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-04-01
latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-04-01

The series EN/TS 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	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	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/systems

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Introduction

This European Standard applies to a security fog system that is part of an Intruder and Hold-up Alarm System (I&HAS) and is used both as a security deterrent device for building security and as a crime reduction device for the protection of people.

This European Standard is intended to assist insurers, intruder alarm companies, customers and the police in understanding the principles and specification of a security fog system.

The purpose of a security fog system is to reduce the visibility in a protected area by the use of a non-toxic fog in order to form a barrier between the criminal and the criminal's intended target.

This European Standard is not intended to cover standalone or mobile security fog systems.

This European Standard has been designed to be flexible enough to encourage and encompass future developments in the field of security fog systems.

1 Scope

This European Standard specifies the requirements for security fog systems as a part of an I&HAS. It covers application and performance and also gives the necessary tests and trials to ensure efficiency and reliability of such obscuration devices.

This European Standard also gives guidance on the criteria for design, installation, operation and maintenance of security fog systems.

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.

EN 50130-4:1995 A1:1998 A2:2003	Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder and social alarm systems
EN 50130-5:1998	Alarm systems – Part 5: Environmental test methods
EN 50131-1:2006	Alarm systems – Intrusion and hold-up systems – Part 1: System requirements
EN 50131-5-3:2005 A1:2008	Alarm systems – Intrusion systems – Part 5-3: Requirements for interconnections equipment using radio frequency techniques
EN 60065:2002 A1:2006 + corr. Aug. 2007 A11:2008	Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2001, mod. + A1:2005, mod.)
EN 61000-6-3:2007	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006)

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this document, the terms and definitions given in EN 50131-1 and the following apply.

3.1.1

confirmed intrusion

signals or messages emanating from two or more independent intrusion detectors indicating there is a high probability that a genuine intrusion or genuine attempted intrusion has occurred within a specified timeframe

3.1.2

obscuration

the reduction in visibility as a result of the activation of a security fog system



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