

Alarm systems - Intrusion systems Part 5-3: Requirements for interconnections equipment using radio frequency techniques

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radio frequency techniques

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50131-5-3:2005 sisaldab Euroopa standardi EN 50131-5-3:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 06.07.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50131-5-3:2005 consists of the English text of the European standard EN 50131-5-3:2005.</p> <p>This document is endorsed on 06.07.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard applies to intrusion alarm equipment using radio frequency (RF) links and located on protected premises. It does not cover long range radio transmissions</p>	<p>Scope: This European Standard applies to intrusion alarm equipment using radio frequency (RF) links and located on protected premises. It does not cover long range radio transmissions.</p>
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Võtmesõnad: alarm systems, buildings, documentations, environment, properties

English version

**Alarm systems -
Intrusion systems**
**Part 5-3: Requirements for interconnections equipment
using radio frequency techniques**

Systèmes d'alarme -
Systèmes d'alarme intrusion
Partie 5-3: Exigences pour les équipements
d'alarme intrusion utilisant
des techniques radio

Alarmanlagen -
Einbruchmeldeanlagen
Teil 5-3: Anforderungen an
Übertragungsgeräte,
die Funkfrequenz-Techniken verwenden

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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.

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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

Foreword

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The following dates were fixed:

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 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-03-01
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1 Scope

This European Standard applies to intrusion alarm equipment using radio frequency (RF) links and located on protected premises. It does not cover long range radio transmissions.

This standard defines the terms used in the field of intrusion alarm equipment using radio frequency links as well as the requirements relevant to the equipment.

It shall be used in conjunction with the other parts of the EN 50131 series that define the functional requirements of the equipment regardless of the type of interconnections used.

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>
EN 50131-1	1997	Alarm systems – Intrusion systems – Part 1: General requirements
EN 50131-6	1997	Alarm systems – Intrusion systems – Part 6: Power supplies
EN 301489-1	1999	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services – Part 1: Common technical requirements

3 Definitions and abbreviations

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

3.1 Definitions

3.1.1

alarm message

message conveying information regarding intruder, tamper or fault alarms

3.1.2

assigned band

frequency band within which the equipment is authorized to operate

3.1.3

attenuation

degradation of the RF signal due to a change in the passive environment of the system after its installation (e.g. creation, relocation or reflection or absorption materials)

3.1.4

collision

simultaneous transmissions from two or more RF communication devices belonging to the same system, of sufficient signal strength to cause corruption or obliteration of the RF signals

3.1.5

collision rate

probability of two or more messages having part or all of their information coincident on the RF link leading to a collision