

Alarm systems — Alarm transmission systems and equipment —

Part 2-1: General requirements for alarm transmission equipment

The European Standard EN 50136-2-1:1998, with the incorporation of amendment A1:2001, has the status of a British Standard

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National foreword

This British Standard is the English language version of EN 50136-2-1:1998, including amendment A1:2001.

The UK participation in its preparation was entrusted by Technical Committee GW/1, Electronic security systems, to Subcommittee GW/1/11, Remote centres, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 24, an inside back cover and a back cover.

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Descriptors: Warning systems, transmission, transmitters, receivers, specification, performance evaluation, design, interfaces, safety, reliability, performance tests, environmental tests, electrostatic discharge tests, electromagnetic compatibility marking

English version

Alarm systems — Alarm transmission systems and equipment — Part 2-1: General requirements for alarm transmission equipment

(includes amendment A1:2001)

Systèmes d'alarme — Systèmes et équipements de transmission d'alarme —
Partie 2-1: Exigences générales pour équipements de transmission d'alarme
(inclut l'amendement A1:2001)

Alarmanlagen Alarmübertragungsanlagen und -einrichtungen —
Teil 2-1: Allgemeine Anforderungen an Alarmübertragungseinrichtungen
(enthält Änderung A1:2001)

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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

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EN 50136 consists of the following parts, under the general title *Alarm systems — Alarm transmission systems and equipment*:

- *Part 1-1: General requirements for alarm transmission systems*;
- *Part 1-2: Requirements for systems using dedicated alarm paths*;
- *Part 1-3: Requirements for systems with digital communicators using the public switched telephone network*;
- *Part 1-4: Requirements for systems with voice communicators using the public switched telephone network*;
- *Part 2-1: General requirements for alarm transmission equipment*;
- *Part 2-2: Requirements for equipment used in systems using dedicated alarm paths*;
- *Part 2-3: Requirements for equipment used in systems with digital communicators using the public switched telephone network*;
- *Part 2-4: Requirements for equipment used in systems with voice communicators using the public switched telephone network*;
- *Part 3: Alarm transmission protocols* (in preparation);
- *Part 4: Annunciation equipment* (in preparation);
- *Part 5: (free)*;
- *Part 6: (free)*;
- *Part 7: Application guidelines* (in preparation).

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1 Scope

This standard specifies the general requirements for alarm transmission equipment used in alarm transmission systems.

This standard does not specify the equipment used to display the information at the alarm receiving centre or the installation of equipment.

Additional requirements for specific types of alarm transmission equipment are given in separate documents as parts of this standard. This does not preclude the use of any alarm transmission equipment not covered by one of these specific documents, provided that it meets these general requirements.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places 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 (including amendments).

EN 50082-1, *Electromagnetic compatibility — Generic immunity standard — Part 1: Residential, commercial and light industry*.

EN 50131-1, *Alarm systems — Intrusion systems — Part 1: General requirements*.

EN 50136-1-1, *Alarm systems — Alarm transmission systems and equipment — Part 1-1: General requirements for alarm transmission systems*.

EN 50136-4, *Alarm systems — Alarm transmission systems and equipment — Part 4: Annunciation equipment*.

EN 55022, *Limits and methods of measurement of radio disturbance characteristics of information technology equipment (emission) (CISPR 22)*

EN 60065:1993, *Safety requirements for mains operated electronic and related apparatus for household and similar general use*.

(IEC 65:1985 + A1:1987 + A2:1989 + A3:1992, modified).

EN 60950, *Safety of information technology equipment*.

(IEC 60950, modified).

IEC 60068-1, *Environmental testing — Part 1: General and guidance*.

IEC 60068-2-1:1974 + IEC 60068-2-1A:1976 + A1:1983, *Environmental testing — Part 2: Tests — Tests A: Cold*.

IEC 60068-2-2:1974 + IEC 60068-2-2A:1976, *Alarm systems — Alarm transmission systems and equipment — Part 2: Tests — Tests B: Dry heat*.

IEC 60068-2-3:1969, *Environmental testing — Part 2: Tests — Test Ca: Damp heat, steady state*.

IEC 60068-2-6:1982, *Environmental testing — Part 2: Tests — Test Fc: Vibration (sinusoidal)*.

IEC 60068-2-27:1987, *Environmental testing — Part 2: Tests — Test Ea and guidance: Shock*.

IEC 60068-2-30:1980 + A1:1985, *Environmental testing — Part 2: Tests — Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)*.

IEC 60068-2-42:1982, *Environmental testing — Part 2: Tests — Test Kc: Sulphur dioxide test for contacts and connections*.

IEC 60068-2-52:1984, *Environmental testing — Part 2: Tests — Test Kb: Salt mist, cyclic (sodium chloride solution)*.

IEC 60068-2-56:1988, *Environmental testing — Part 2: Tests — Test Cb: Damp heat, steady state, primarily for equipment*.

IEC 60068-2-63:1991, *Environmental testing — Part 2: Test methods — Test Eg: Impact, spring hammer*.

IEC 60364 (series), *Electrical installations of buildings*.

IEC 60529, *Degrees of protection provided by enclosure (IP Code)*.

IEC 60664 (series), *Insulation coordination for equipment within low-voltage systems*