



BSI Standards Publication

Alarm systems — Intrusion and hold-up systems

Part 3: Control and indicating equipment

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National foreword

This British Standard is the UK implementation of EN 50131-3:2026. It supersedes BS EN 50131-3:2009, which will be withdrawn on 28 February 2029.

The UK participation in its preparation was entrusted to Technical Committee GW/1, Electronic security systems and products.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 3: Befehls- und Meldegeräte

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

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European foreword

This document (EN 50131-3:2026) 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) 2027-02-28
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2029-02-28

This document supersedes EN 50131-3:2009 and all of its amendments and corrigenda (if any).

EN 50131-3:2026 includes the following significant technical changes with respect to EN 50131-3:2009:

- refined and aligned requirements to EN 50131-1:2006¹;
- refinement and clarification of test section;
- clarified and refined the use of distributed components with a CIE;
- Annex A has been expanded to include the topology of the CIE;
- Annex C has been re-written to expand on the use of non-I&HAS interfaces over an indirect connection;
- Annex D has been added to cover the use of non-I&HAS interfaces over a direct connection.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

¹ As impacted by EN 50131-1:2006/A1:2009, EN 50131-1:2006/A2:2017 and EN 50131-1:2006/A3:2020.

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Introduction

Repetition of definitions and requirements contained in EN 50131-1 have been eliminated from this EN 50131-3, in order to minimize conflict in the event of changes to EN 50131-1, except where repetition is deemed essential for the clarity of this document.

Reference has been included to various implications arising from the detector standards. Full detail of the interconnection requirements could be the subject of a future standard.

A number of requirements are contained in this document for which a formal test procedure can only be written by defining (and hence restricting) the technology by which the requirement is achieved. Accordingly, it has been recognized that such functions can be tested only by agreement between manufacturer and test house, according to documented information relating to how the required functionality has been achieved.

In Annex E a table has been included to cross reference EN 50131-1 requirements against this document and tests.

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1 Scope

This document specifies the requirements, performance criteria and testing procedures for control and indicating equipment (CIE) intended for use in intrusion and hold-up alarm systems (I&HAS) installed in buildings. This document also applies to CIE to be used in IAS or HAS.

The CIE can incorporate processing functions of other I&HAS components or its processing requirements can be distributed among such components.

This document specifies the requirements for CIE installed in buildings using specific or non-specific wired interconnections or wire-free interconnections. These requirements also apply to basic DCC which can be installed outside of the supervised premises and mounted in indoor or outdoor environments.

Where CIE shares means of detection, interconnection, control, communication, processing and/or power supplies with other applications, these requirements apply to I&HAS functions only.

This document specifies performance requirements for CIE at each of the four security grades identified in EN 50131-1. Requirements are also specified for four environmental classes covering applications for indoor and outdoor locations.

This document includes mandatory functions for all CIE for the appropriate security grade, as well as optional functions that can additionally be provided.

This document does not cover requirements for compliance with EU regulatory Directives, such as the EMC Directive, Low Voltage Directive, etc. except in that it specifies the equipment operating conditions for EMC susceptibility testing as required by EN 50130-4.

NOTE 1 In this document reference to the term "I&HAS" is used throughout, except where there is specific need to differentiate between the IAS and HAS portions of a system. The term is intended to include IAS and HAS when such systems are installed separately.

NOTE 2 For products which integrate functions from, and which the manufacturer is claiming compliance to, several EN 50131 standards, the requirements of this document apply as well as any additional requirements from other relevant EN 50131 standards (e.g. a CIE with integral Warning Device is expected to meet the requirements of EN 50131-3 and EN 50131-4).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 50130-5, *Alarm systems - Part 5: Environmental test methods*

EN 50131-1:2006,² *Alarm systems - Intrusion and hold-up systems - Part 1: System requirements*

EN 50131-5-3, *Alarm systems - Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency techniques*

EN 50131-6, *Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies*

EN 60068-2-75, *Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests (IEC 60068-2-75)*

EN 60529, *Degrees of protection provided by enclosures (IP Code)(IEC 60529)*

CLC/TS 50136-10:2022, *Alarm systems - Alarm transmission systems and equipment - Part 10: Requirements for remote access*

² As impacted by EN 50131-1:2006/A1:2009, EN 50131-1:2006/A2:2017 and EN 50131-1:2006/A3:2020.