



**NSAI**  
Standards

Irish Standard  
I.S. EN 50131-10:2014

# Alarm systems - Intrusion and hold-up systems - Part 10: Application specific requirements for Supervised Premises Transceiver (SPT)

**I.S. EN 50131-10:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

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*This document is based on:*

EN 50131-10:2014

*Published:*

2014-06-06

*This document was published under the authority of the NSAI and comes into effect on:*

2014-06-24

ICS number:

13.320

NOTE: If blank see CEN/CENELEC cover page

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EUROPEAN STANDARD

**EN 50131-10**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2014

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ICS 13.320

English Version

**Alarm systems - Intrusion and hold-up systems - Part 10:  
Application specific requirements for Supervised Premises  
Transceiver (SPT)**

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et  
les hold-up - Partie 10: Exigences d'application spécifiques  
pour les transmetteurs des locaux surveillés

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil  
10: Anwendungsspezifische Anforderungen an  
Übertragungseinrichtungen (ÜE)

This European Standard was approved by CENELEC on 2014-03-10. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

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## Foreword

This document (EN 50131-10:2014) 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) 2015-03-10
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-03-10

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

The EN/TS 50131 series consists 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 (acoustics)
Part 2-7-2	Intrusion detectors – Glass break detectors (passive)
Part 2-7-3	Intrusion detectors – Glass break detectors (active)
Part 2-8	Intrusion detectors – Shock detectors
Part 2-9 <sup>1)</sup>	Intrusion detectors – Active infrared detectors
Part 3	Control and indicating equipment
Part 4	Warning devices
Part 5-1 <sup>1)</sup>	Requirements for wired interconnection for I&HAS equipments located in supervised premises
Part 5-3	Requirements for interconnections equipment using radio frequency techniques
Part 5-4	System compatibility testing for I&HAS equipments located in supervised premises
Part 6	Power supplies
Part 7	Application guidelines
Part 8	Security fog device/systems
Part 9 <sup>1)</sup>	Alarm verification – Methods and principles
Part 10	Application specific requirements for Supervised Premises Transceiver (SPT)

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1) At draft stage.

## **Introduction**

This European Standard should be read in conjunction with EN/TS 50136 series, particularly EN 50136-2, and includes requirements for Supervised Premises Transceivers (SPT) specific to Intrusion and hold-up alarm system (I&HAS) applications.

EN 50131-1 requires that notification be by warning device (WD) and/or alarm transmission system (ATS). The SPT is the equipment that forms part of the ATS and provides the interface to the I&HAS. A WD is a local means of notification whereas the SPT is a means of initiating notification at a distance through Annunciation Equipment (AE), via a network and Receiving Centre Transceiver (RCT).

EN 50131-1 in particular states the Alarm Transmission System (ATS) performance criteria to be used with an I&HAS according to its security grade.

## 1 Scope

This European Standard specifies requirements for SPT used in I&HAS to transmit alarm and other messages to a location remote from the supervised premises.

NOTE 1 Requirements for the transmission of alarms are given in the EN/TS 50136 series of standards. EN 50136-2 gives requirements for SPT for use in any type of alarm system (e.g. fire, social care, intrusion, etc).

This European Standard gives specific requirements for SPT used in Intrusion and Hold-up Alarm Systems (I&HAS) and should be used in combination with EN 50136-2.

The requirements of this European Standard apply to different types of SPT including separate SPT, SPT located within the housings of other I&HAS components and also when the SPT functionality is integrated with the CIE or other parts of an I&HAS.

NOTE 2 To facilitate the differing requirements this European Standard includes a categorisation with three types (X, Y and Z).

This European Standard does not give requirements for the ATS network or performance.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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, *Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder hold up, CCTV, access control and social alarm systems*

EN 50130-5, *Alarm systems – Part 5: Environmental test methods*

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

EN 50131-3, *Alarm Systems – Intrusion and hold-up systems – Part 3 Control and indicating equipment*

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

EN 50136-1:2012, *Alarm systems – Alarm transmission systems and equipment – Part 1: General requirements for alarm transmission systems*

EN 50136-2:2013, *Alarm systems – Alarm transmission systems and equipment – Part 2: Requirements for Supervised Premises Transceiver (SPT)*

EN 60068-1:1994, *Environmental testing – Part 1: General and guidance (IEC 60068-1:1994)*

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)*

EN 62262, *Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262)*

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