

Alarm systems - Alarm transmission systems and equipment - Part 2: Requirements for Supervised Premises Transceiver (SPT)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 13.320, 33.040.40

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English version

**Alarm systems -
Alarm transmission systems and equipment -
Part 2: Requirements for Supervised Premises Transceiver (SPT)**

Systemes d'alarme -
Systemes et equipements de transmission
d'alarme -
Partie 2: Exigences pour les transmetteurs
des locaux surveilles (SPT)

Alarmanlagen -
Alarmübertragungsanlagen und -
einrichtungen -
Teil 2: Anforderungen an
Übertragungseinrichtungen (ÜE)

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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.

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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

This document (EN 50136-2:2013) has been prepared by CLC/TC 79 "Alarm systems".

The following dates are proposed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-08-12
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-08-12

This document supersedes EN 50136-2-1:1998+corr.Apr.1998+A1:2001, EN 50136-2-2:1998, EN 50136-2-3:1998 and EN 50136-2-4:1998.

EN 50136-2:2013 includes the following significant technical changes with respect to EN 50136-2-1:1998+corr.Apr.1998+A1:2001, EN 50136-2-2:1998, EN 50136-2-3:1998 and EN 50136-2-4:1998:

- 1) referenced based standards were updated to the latest versions;
- 2) definitions were updated;
- 3) requirements were aligned with new ATS categories of the revised system standard EN 50136-1;
- 4) test methods were added;
- 5) the scope was changed to reflect the amalgamation of EN 50136-2-2:1998, EN 50136-2-3:1998 and EN 50136-2-4:1998 and to achieve compatibility with application specific standards such as fire alarm transmission systems and social alarm transmission systems;
- 6) significant changes were made to the structure of the document to achieve general alarm transmission requirements for SPT. Application specific requirements were removed;
- 7) the title was corrected to match the scope of the document.

This revision was prepared to bring the procedures up-to-date with current technical developments, taking account of changes in the basic standards and the experience gained in the use of the standard.

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.

This European Standard is part of a series. This series is intended to give the requirements applicable to alarm transmission systems in general.

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

- *Part 1: General requirements for alarm transmission systems*;
- *Part 2: Requirements for Supervised Premises Transceiver (SPT)*;
- *Part 3: Requirements for Receiving Centre Transceiver (RCT)*;
- *Part 4: Annunciation equipment used in alarm receiving centres* (Technical Specification);
- *Part 7: Application guidelines* (Technical Specification);

- *Part 9: Requirements for common protocol for alarm transmission using the Internet protocol (Technical Specification).*

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1 Scope

This European Standard specifies the general equipment requirements for the performance, reliability, resilience, security and safety characteristics of supervised premises transceiver (SPT) installed in supervised premises and used in alarm transmission systems (ATS). A supervised premises transceiver can be a stand-alone device or an integrated part of an alarm system.

These requirements also apply to SPT's sharing means of interconnection, control, communication and power supplies with other applications.

The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. The term alarm is used in this broad sense throughout the document. Additional requirements for the connection of specific types of alarm systems are given in the relevant European Standards.

Because the SPT can be applied in different applications (e.g. I&HAS, fire and social alarm systems), requirements for the SPT, additional to those of this European Standard, may be specified in separate application specific documents.

This European Standard specifies the requirements specific to alarm transmission. Application specific requirements for the connection of the SPT to specific types of alarm systems are given in the EN 50131 (all parts) for I&HAS, and EN 54 (all parts) for fire. For other SPT applications, see the relevant National or European standards.

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

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50136-1:2012 and the following apply.

3.1.1

alternative power source

power source capable of powering the SPT for a predetermined time when a prime power source is unavailable

3.1.2

indication

information (in audible, visual or any other form) about the state of the SPT, RCT and/or ATS