Larmsystem –
System och utrustning för larmöverföring –
Del 2: Fordringar på larmterminal (SPT)

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

Som svensk standard gäller europastandarden EN 50136-2:2013. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50136-2:2013.

Nationellt förord

Tidigare fastställd svensk standard SS-EN 50136-2-1, utgåva 2, 1998, SS-EN 50136-2-1/A1, utgåva 1, 2001, SS-EN 50136-2-2, utgåva 1, 1998, SS-EN 50136-2-3, utgåva 1, 1998 och SS-EN 50136-2-4, utgåva 1, 1998, gäller ej fr o m 2016-08-12.

ICS 13.320.00; 33.040.40

Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a säkerhet, prestanda, dokumentation, utförande och skötsel av elprodukter, elanläggningar och metoder. Genom att utforma sådana standarder blir säkerhetskraven tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

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Stora delar av arbetet sker internationellt

Utformningen av standarder sker i allt väsentligt i internationellt och europeiskt samarbete. SEK är svensk nationalkommitté av International Electrotechnical Commission (IEC) och Comité Européen de Normalisation Electrotechnique (CENELEC).

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Arbetet i de tekniska kommittéerna är öppet för alla svenska organisationer, företag, institutioner, myndigheter och statliga verk. Den årliga avgiften för deltagandet och intäkter från försäljning finansierar SEKs standardiseringsverksamhet och medlemsavgift till IEC och CENELEC.

Var med och påverka!

Den som deltar i SEKs tekniska kommittéarbete har möjlighet att påverka framtida standarder och får tidig tillgång till information och dokumentation om utvecklingen inom sitt teknikområde. Arbetet och kontakterna med kollegor, kunder och konkurrenter kan gynnsamt påverka enskilda företags affärsutveckling och bidrar till deltagarnas egen kompetensutveckling.

Du som vill dra nytta av dessa möjligheter är välkommen att kontakta SEKs kansli för mer information.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50136-2

August 2013

English version

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

Systèmes d'alarme -
Systèmes et équipements de transmission d'alarme -
Partie 2: Exigences pour les transmetteurs des locaux surveillés (SPT)

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

This European Standard was approved by CENELEC on 2013-08-12. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

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

Contents

Tables

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).

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*