

Alarm systems - Social alarm systems - Part 2: Trigger devices

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50134-2:2002 sisaldab Euroopa standardi EN 50134-2:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50134-2:2002 consists of the English text of the European standard EN 50134-2:1999.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This Standard specifies the requirements and tests for manually-activated trigger devices forming part of a social alarm system.</p>	<p>Scope: This Standard specifies the requirements and tests for manually-activated trigger devices forming part of a social alarm system.</p>
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Võtmesõnad: communication equipment, public-address systems, r, signalling device, specification (approval), specifications, staff calling systems, stationary, telecommunications, testing, transmission systems, tripping devices, tripping mechanism, warning systems, wireless

English version

**Alarm systems - Social alarm systems
Part 2: Trigger devices**

Systèmes d'alarme
Systèmes d'alarme sociale
Partie 2: Déclencheurs

Alarmanlagen - Personen-Hilferufanlagen
Teil 2: Auslösegeräte

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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 European Standard was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50134-2-1 on 1998-08-01; it was later renumbered EN 50134-2.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1999-12-01
- latest date by which the national standards
conflicting with the EN have to be withdrawn (dow) 1999-12-01

EN 50134 will consist of the following parts, under the general title "Alarm systems - Social alarm systems":

Part 1	System requirements
Part 2	Trigger devices
Part 3	Local unit and controller
Part 4	(not used)
Part 5	Interconnections and communication
Part 6	(not used)
Part 7	Application guidelines

NOTE 1: Except for this part 2 and part 7, which was published in 1996, all parts of the EN 50134 series are still under consideration.

NOTE 2: The above list reflects the changes made to the EN 50134 structure after the publication of part 7.

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Introduction

Since malfunctions in human activated trigger devices may involve the risk of human life, it is essential that the technical quality and reliability of such equipment should be higher than that normally required for consumer electronics.

The design should also take into consideration situations where the user may be unable to send an alarm, or where an unwanted alarm may be sent, due to technical malfunctions or poor ergonomic design.

1 Scope

This Standard specifies the requirements and tests for manually-activated trigger devices forming part of a social alarm system.

This standard only applies to manually-activated trigger devices that transmit the alarm triggering signal to a local unit or controller via cable or wire-free radio transmission, i.e.

- a) Push button fixed;
- b) Pull switch fixed;
- c) Push button portable;
- d) Pull activated portable.

This standard also gives guidance on automatically-activated trigger devices. For the requirements and tests applicable to such trigger devices, references are made to appropriate CEN/CENELEC standards for fire alarm, gas alarm and intruder alarm system components.

This standard does not specify EMC emission or electrical safety requirements. These are covered by other standards.

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.

EN 54	series Fire alarm system components (CEN standards)
EN 50054	Electrical apparatus for the detection and measurement of combustible gases - General requirements and test methods
EN 50055	Electrical apparatus for the detection and measurement of combustible gases - Performance requirements for Group I apparatus indicating up to 5% (v/v) methane in air
EN 50056	Electrical apparatus for the detection and measurement of combustible gases - Performance requirements for Group I apparatus indicating up to 100% (v/v) methane

EN 50057		Electrical apparatus for the detection and measurement of combustible gases - Performance requirements for Group II apparatus indicating up to 100% lower explosive limit
EN 50058		Electrical apparatus for the detection and measurement of combustible gases - Performance requirements for Group II apparatus indicating up to 100% (v/v) gas
EN 50130-4	1995	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and social alarm systems
EN 50130-5		Part 5: Environmental test methods
EN 60068-1	1994	Environmental testing - Part 1: General and guidance (IEC 60068-1:1988 + corrigendum Oct. 1988 + A1:1992)
EN 300 220-2		Electromagnetic compatibility and Radio spectrum Matters (ERM) - Short range devices - Technical characteristics and test methods for radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW - Part 2: Supplementary parameters not intended for regulatory purposes
IEC 60341-1	1970	Push button switches - Part 1: General requirements and measuring methods (Publication withdrawn and replaced by IEC 61020 series)

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 social alarm system: A system providing 24 hours facilities for alarm triggering, identification, signal transmission, alarm reception, two-way speech communication, reassurance and assistance, for use by persons who can be considered to be living at home at risk.

3.2 controller: The interface between one or more local units and the alarm transmission system. (A controller may include the local unit).

3.3 local unit: The interface between the user and the controller which enables 2-way speech. (A local unit may be an integral part of the controller).

3.4 trigger device: The system part, operated by a human or automatically that communicates to the local unit or controller, initiating the alarm triggering signal.

3.5 fixed trigger device: A trigger device in a fixed position in relation to the local unit or building.

3.6 portable trigger device: A trigger device carried by the user and providing wire-free communication.