

## **Alarm systems - Alarm transmission systems and equipment - Part 1-2: Requirements for systems using dedicated alarm paths**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50136-1-2:2002 sisaldab Euroopa standardi EN 50136-1-2:1998 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 50136-1-2:2002 consists of the English text of the European standard EN 50136-1-2:1998.</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><b>Käsitlusala:</b></p> <p>This standard specifies the requirements for alarm transmission systems utilising dedicated alarm transmission paths which are additional to those specified in EN 50136-1-1. The alarm transmission system may utilise wired links (e.g. DC or a modulated signal over a twisted pair cable), voice grade signalling links or data links and may include multiplexers or message processors. The standard is also applicable to alarm transmission systems in which signalling links are shared with other services.</p>	<p><b>Scope:</b></p> <p>This standard specifies the requirements for alarm transmission systems utilising dedicated alarm transmission paths which are additional to those specified in EN 50136-1-1. The alarm transmission system may utilise wired links (e.g. DC or a modulated signal over a twisted pair cable), voice grade signalling links or data links and may include multiplexers or message processors. The standard is also applicable to alarm transmission systems in which signalling links are shared with other services.</p>
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**Alarm systems - Alarm transmission systems and equipment  
Part 1-2: Requirements for systems using dedicated alarm paths**

Systèmes d'alarme - Systèmes et équipements de transmission d'alarme  
Partie 1-2: Exigences relatives aux systèmes utilisant des voies d'alarme dédiées

Alarmanlagen  
Alarmübertragungsanlagen und -einrichtungen  
Teil 1-2: Anforderungen an Anlagen mit fest zugeordneten Alarmübertragungswegen

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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 Unique Acceptance Procedure and was approved by CENELEC as EN 50136-1-2 on 1996-12-09.

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) 1998-08-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2002-08-01

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

- Part 1-1 General requirements for alarm transmission systems
  - Part 1-2 Requirements for systems using dedicated alarm paths
  - Part 1-3 Requirements for systems with digital communicators using the public switched telephone network
  - Part 1-4 Requirements for systems with voice communicators using the public switched telephone network
  - Part 2-1 General requirements for alarm transmission equipment
  - Part 2-2 Requirements for equipment used in systems using dedicated alarm paths
  - Part 2-3 Requirements for equipment used in systems with digital communicators using the public switched telephone network
  - Part 2-4 Requirements for equipment used in systems with voice communicators using the public switched telephone network
  - Part 3 Alarm transmission protocols (in preparation)
  - Part 4 Annunciation equipment (in preparation)
  - Part 5 (free)
  - Part 6 (free)
  - Part 7 Application guidelines (in preparation)
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## **1 Scope**

This standard specifies the requirements for alarm transmission systems utilising dedicated alarm transmission paths which are additional to those specified in EN 50136-1-1.

The alarm transmission system may utilise wired links (e.g. DC or a modulated signal over a twisted pair cable), voice grade signalling links or data links and may include multiplexers or message processors. The standard is also applicable to alarm transmission systems in which signalling links are shared with other services. Such services include normal subscriber telephone line from the supervised premises to the local exchange, cable TV or power distribution networks, but is equally applicable to other systems.

## **2 Object**

The object of this standard is to specify the performance characteristics of alarm transmission systems using dedicated alarm transmission paths to ensure their suitability for use with and compatibility with different types of alarm systems.

## **3 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 (including amendments).

<u>Publication</u>	<u>Title</u>
EN 50136-1-1	Alarm systems - Alarm transmission systems and equipment Part 1-1: General requirements for alarm transmission systems

## **4 General considerations**

### **4.1 Verification of transmission**

The alarm transmission system should provide for the specific system appropriate means to verify the correct transmission of information.

### **4.2 Multiplexed systems**

Where faults or deliberate interference on the transmission path from one alarm system cannot affect the performance of transmission paths from other alarm systems, the total number of transmission paths, which may be connected, will be limited by the system availability requirements.

Where faults or deliberate interference on one transmission path can affect the performance of the others and prevent them from meeting the requirements of this standard, the total number of transmission paths that may be connected will be limited by the application and the security requirements and should be given in the system specification.