

საქართველოს ეროვნული სტანდარტი

ხანძრის გამომწვევებისა და ხანძარსაგანაღმომ სისტემები.
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Brandmeldeanlagen - Teil 24: Komponenten für Sprachalarmierungssysteme - Lautsprecher

This European Standard was approved by CEN on 23 February 2008.

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Foreword

This document (EN 54-24:2008) has been prepared by Technical Committee CEN/TC 72 "Fire detection and fire alarm systems", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2008, and conflicting national standards shall be withdrawn at the latest by April 2011.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 54 *Fire detection and fire alarm systems* consists of the following parts:

- *Part 1: Introduction*
- *Part 2: Control and indicating equipment*
- *Part 3: Fire alarm devices – Sounders*
- *Part 4: Power supply equipment*
- *Part 5: Heat detectors – Point detectors*
- *Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization*
- *Part 10: Flame detectors – Point detectors*
- *Part 11: Manual call points*
- *Part 12: Smoke detectors – Line detectors using an optical light beam*
- *Part 13: Compatibility assessment of system components*
- *Part 14: Guidelines for planning, design, installation, commissioning, use and maintenance*
- *Part 15: Point detectors using a combination of detected phenomena*
- *Part 16: Voice alarm control and indicating equipment*
- *Part 17: Short-circuit isolators*
- *Part 18: Input/output devices*
- *Part 20: Aspirating smoke detectors*
- *Part 21: Alarm transmission and fault warning routine equipment*

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- *Part 22: Resettable line-type heat detectors*
- *Part 23: Fire alarm devices – Visual alarms*
- *Part 24: Components of voice alarm systems – Loudspeakers*
- *Part 25: Components using radio links*
- *Part 26: Point fire detectors using carbon monoxide sensors¹⁾*
- *Part 27: Duct smoke detectors¹⁾*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1) Under preparation.

Introduction

The purpose of a voice alarm loudspeaker as a component of a voice alarm system is to provide intelligible warning to person(s) within, or in the vicinity of, a building in which a fire emergency has occurred and to enable such person(s) to take appropriate measures against a pre-determined evacuation plan.

The primary reason for using a voice alarm system instead of the coded warnings given by sounders is to reduce the time taken for those at risk to recognize that an emergency exists, and to give clear instructions on what to do next. This means that voice alarm loudspeakers need to achieve a minimum acoustical performance, as well as constructional and environmental requirements, to be suitable for use in fire detection and fire alarm systems.

This standard recognizes that the exact nature of the acoustical requirements for voice alarm loudspeakers will vary according to the nature of the space into which there are installed. It therefore specifies the minimum requirements that apply to voice alarm loudspeakers and a common method for testing their operational performance against parameters specified by the manufacturers.

This European Standard gives common requirements for the construction and robustness of voice alarm loudspeakers as well as their performance under climatic and mechanical conditions which are likely to occur in the service environment. As the types of loudspeaker considered in this European Standard are passive electromechanical devices not involving sensitive electronic circuits, electromagnetic compatibility (EMC) tests have not been included. The loudspeakers have been classified in either an indoor or an outdoor application environment category.

This European Standard requires that manufacturers specify certain characteristics in a consistent manner so that designers can make objective decisions about which loudspeaker to use in specific applications.

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.